



**ANNUAL REPORT**  
**2019–20**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**JODHPUR**



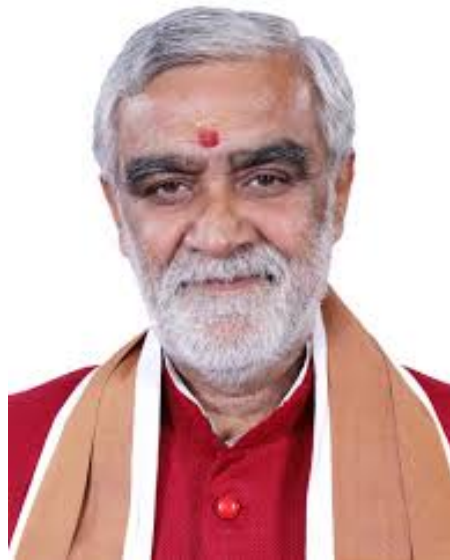


**Dr. Harsh Vardhan**

**Hon'ble Cabinet Minister**

**Ministry of Health & Family Welfare**

**Government of India**



**Shri Ashwini Kumar Choubey**

**Hon'ble Minister of State**

**Ministry of Health & Family Welfare**

**Government of India**



**Prof. Sanjeev Misra**

MS, MCh, FRCS (Eng.), FRCS (Glasgow),  
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*From the Desk of the Director...*

*It is my privileged honor to submit the Annual Report of All India Institute of Medical Sciences (AIIMS), Jodhpur for the year 2019-2020.*

*AIIMS, Jodhpur is one of the six AIIMS established under the PMSSY scheme and granted status as an Institute of National Importance.*

*Since its beginning in 2012, AIIMS Jodhpur has grown in the fields of medical education, patient care and research. 100 MBBS and 60 B.Sc. (Hons.) students were admitted to our institution in the current year. The MBBS students of 2014 batch completed their internship and passed out of the institute. Many students have secured admission in post graduate programs at Institutes of National Importance such as AIIMS, PGIMER Chandigarh, etc. The third batch of B.Sc. nursing also passed out this year and many of them are pursuing post graduation in various AIIMS. The first post-graduate student of AIIMS Jodhpur passed out of its portals this year. Students from all over the country joined the institute in various post-graduate, super-speciality and PhD courses. All these testify that AIIMS Jodhpur has established its presence as a centre of excellence on the national forum for medical education, training and patient care. The School of Public Health, the first of its kind at any AIIMS, admitted another batch and continued its growth during this year*

*The hospital services grew in the year 2019-2020 with an increase in OPD and IPD services along with laboratory investigations. There has been an increase in all kinds of major and minor surgical procedures during the period.*

*The Faculty members of the Institute received research funding from intramural as well as extramural funding agencies, and shared their research at various national and international scientific conferences. Their contributions were duly recognized and awarded by scientific organizations and societies. Faculty members were committed towards imparting knowledge and skills to the students. The students were provided a comfortable environment for their overall*

*growth and development. They excelled both in academics and extra-curricular activities during the year and brought laurels to the institute. Research aptitude was inculcated amongst them through ICMR-STS research program and institutional research activities.*

*It was a matter of great pride and honor for the institute as Shri Ram Nath Kovind, the Hon'ble President of India graced the Second Convocation and awarded medals to meritorious students. Shri Ram Nath Kovind, the Hon'ble President of India also laid the foundation stone for Administrative Block at AIIMS, Jodhpur. The Institute was also privileged to host Shri Kalraj Mishra, the Hon'ble Governor of Rajasthan; Shri Ashok Gehlot, the Hon'ble Chief Minister of Rajasthan; Dr. Harsh Vardhan, the Hon'ble Minister of Health and Family Welfare, Government of India; Shri Gajendra Singh Shekhawat, the Hon'ble Minister of Jal Shakti, Government of India; Shri P. P. Chaudhary, the Hon'ble Members of Parliament and Member of our Institute Body; Shri C. P. Joshi; Shri Narayan Lal Panchariya and Prof. S. C. Sharma, the President of AIIMS Jodhpur. All the distinguished dignitaries inspired the students and awarded them degrees.*

*The institute also achieved a major landmark with the establishment of India- Sweden Healthcare Innovation Centre. This Centre will be the hub for medical technology innovation in the years to come and work towards providing affordable and scalable technologies in the field of healthcare.*

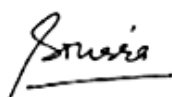
*AIIMS Jodhpur hosted various International and National Conferences that were attended by eminent speakers and delegates from all over the world. The institute fulfilled its social responsibility through its Social Outreach Cell and Public Awareness Lectures Series.*

*AIIMS Jodhpur was the mentor institute of AIIMS Gorakhpur that began its academic session in 2019. The institute also helped in setting up of the departments at AIIMS Raebareli.*

*As the year 2019-2020 drew to a close, the institute began its preparations to deal with the COVID-19 pandemic. The healthcare facilities were augmented to deal with the anticipated increase in patient load. The institute was also recognised as one of the testing labs by ICMR. AIIMS Jodhpur began its preparations to hold online classes so as to continue the teaching and learning activities for its students during the pandemic.*

*AIIMS Jodhpur continued to provide quality and affordable healthcare during 2019-2020. The institute was thoroughly supported by the Ministry of Health and Family Welfare, Government of India and this has helped the institute grow. We owe our steady progress in manpower, resources, facilities and infrastructure to this support. The Government of Rajasthan and Local authorities have also been very supportive in all our endeavours. AIIMS Jodhpur aims to continue to grow in the years to come and excel in medical education, research and patient care with the continued support and guidance of Government of India.*

*This Annual report is a testament to the progress of AIIMS Jodhpur during 2019-20.*



Prof. Sanjeev Misra

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# Institutional Bodies








## Institute Body


1	<p><b>Dr. S. C. Sharma</b> President of the Institute</p>	
2	<p><b>Shri P. P. Chaudhary</b> Member of Parliament Lok Sabha (01 August, 2019 onwards)</p>	
3 (i)	<p><b>Dr. Manoj Rajoria</b> Member of Parliament Lok Sabha (Till May, 2019)</p>	
3 (ii)	<p><b>Shri Chandra Prakash Joshi</b> Member of Parliament Lok Sabha (01 August, 2019 onwards)</p>	
4	<p><b>Shri Narayan Lal Panchariya</b> Member of Parliament Lok Sabha (01 August, 2019 onwards)</p>	
5	<p><b>Ms. Preeti Sudan</b> Secretary, MoHFW, GoI</p>	
6	<p><b>Dr. Dharmendra Singh Gangwar</b> AS &amp; FA, MoHFW, GoI</p>	

7 (i)	<b>Dr. S. Venkatesh</b> DGHS, MoHFW, GoI (till 12/07/2019)	
7 (ii)	<b>Dr. A. K. Saxena</b> DGHS, MoHFW, GoI (12/07/2019 to 12/09/2019)	
7 (iii)	<b>Dr. Sanjay Tyagi</b> DGHS, MoHFW, GoI (12/09/2019 to 31/12/2019)	
7 (iv)	<b>Dr. Rajiv Garg</b> DGHS, MoHFW, GoI (01/01/2020 onwards)	
8	<b>Shri D. B. Gupta</b> Chief Secretary Govt. of Rajasthan	
9	<b>Prof. Raja Babu Panwar</b> Vice Chancellor, RUHS Jaipur	
10	<b>Prof. Santanu Chaudhury</b> Director I.I.T, Jodhpur	
11	<b>Shri Rakesh Kacker</b> Former Secretary Ministry of Food Processing	

12	<b>Prof. Pankaj Chaturvedi</b> Tata Memorial Centre Mumbai, Maharashtra	
13	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	
14	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	
15	<b>Prof. S. K. Acharya</b> Ex-Professor AIIMS, New Delhi	
16	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	
17	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur Member Secretary	

## Governing Body

1	<b>Dr. S. C. Sharma</b> President of the Institute	
2 (i)	<b>Dr. Manoj Rajoria</b> Member of Parliament Lok Sabha (Till May, 2019)	
2 (ii)	<b>Shri Chandra Prakash Joshi</b> Member of Parliament Lok Sabha (01 August, 2019 onwards)	
3	<b>Ms. Preeti Sudan</b> Secretary, MoHFW, GoI	
4 (i)	<b>Dr. S. Venkatesh</b> DGHS, MoHFW, GoI (till 12/07/2019)	
4 (ii)	<b>Dr. A. K. Saxena</b> DGHS, MoHFW, GoI (12/07/2019 to 12/09/2019)	
4 (iii)	<b>Dr. Sanjay Tyagi</b> DGHS, MoHFW, GoI (12/09/2019 to 31/12/2019)	

4 (iv)	<b>Dr. Rajiv Garg</b> DGHS, MoHFW, GoI (01/01/2020 onwards)	
5	<b>Dr. Dharmendra Singh Gangwar</b> AS & FA, MoHFW, GoI	
6	<b>Prof. Raja Babu Panwar</b> Vice Chancellor, RUHS Jaipur	
7	<b>Shri D. B. Gupta</b> Chief Secretary Govt. of Rajasthan	
8	<b>Shri Rakesh Kacker</b> Former Secretary Ministry of Food Processing	
9	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	
10	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur Member Secretary	

## Standing Finance Committee

1	<b>Ms. Preeti Sudan</b> Secretary, MoHFW, GoI	Chairman
2	<b>Shri Narayan Lal Panchariya</b> Member of Parliament Rajya Sabha	Member
3 (i)	<b>Dr. S. Venkatesh</b> DGHS, MoHFW, GoI (till 12/07/2019)	Member
3 (ii)	<b>Dr. A. K. Saxena</b> DGHS, MoHFW, GoI (12/07/2019 to 12/09/2019)	Member
3 (iii)	<b>Dr. Sanjay Tyagi</b> DGHS, MoHFW, GoI (12/09/2019 to 31/12/2019)	Member
3 (iv)	<b>Dr. Rajiv Garg</b> DGHS, MoHFW, GoI (01/01/2020 to 12/08/2020)	Member
4	<b>Dr. Dharmendra Singh Gangwar</b> AS & FA, MoHFW, GoI	Member
5	<b>Shri D. B. Gupta</b> Chief Secretary Govt. of Rajasthan	Member
6	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	Member
7	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	Member
8	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur	Member Secretary



## Standing Selection Committee

1	<b>Prof. Raja Babu Panwar</b> Vice Chancellor, RUHS, Jaipur	Chairman
2 (i)	<b>Dr. S. Venkatesh</b> DGHS, MoHFW, GoI (till 12/07/2019)	Member
2 (ii)	<b>Dr. A. K. Saxena</b> DGHS, MoHFW, GoI (12/07/2019 to 12/09/2019)	Member
2 (iii)	<b>Dr. Sanjay Tyagi</b> DGHS, MoHFW, GoI (12/09/2019 to 31/12/2019)	Member
2 (iv)	<b>Dr. Rajiv Garg</b> DGHS, MoHFW, GoI (01/01/2020 to 12/08/2020)	Member
3	<b>Prof. Santanu Chaudhury</b> Director, I.I.T, Jodhpur	Member
4	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	Member
5	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	Member
6	<b>Prof. S. K. Acharya</b> Ex-Professor AIIMS, New Delhi	Member
7	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	Member
8	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur	Member Secretary

## Academic Committee

1	<b>Prof. S. K. Acharya</b> Ex-Professor AIIMS, New Delhi	Chairman
2	<b>Prof. Santanu Chaudhury</b> Director I.I.T, Jodhpur	Member
3	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	Member
4	<b>Prof. Pankaj Chaturvedi</b> Tata Memorial Centre Mumbai, Maharashtra	Member
5	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	Member
6	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur	Member Secretary

## About the President



Dr. Suresh C Sharma, President of AIIMS Jodhpur is currently working as Chairman, National Medical Commission. He was previously working as the Professor and Head of the Department of Otorhinolaryngology and Head & Neck surgery at AIIMS, New Delhi. He pursued his MBBS from SMS Medical College, Jaipur (Rajasthan), and was awarded MS (ENT) from Post Graduate Institute of Medical Education and Research, (PGIMER) Chandigarh. He continued to serve PGIMER Chandigarh as faculty till March 2000 in various capacities. He received training at MSKCC, New York with Prof. Jatin Shah in Head & Neck Surgery.

Dr. Sharma developed Head & Neck Cancer surgery and Skull base surgery at PGIMER, Chandigarh, conducted research on fungal infections of Head & Neck, and developed first animal model for PNS fungal infections. At AIIMS Delhi, besides Head & Neck surgery, he developed skull base surgery, and surgery for head & neck paraganglioma, cochlear implants, robotic and minimal invasive surgery for head & neck tumours.

He is actively involved in basic research in the field of Oral cancer and Cholesteatoma. He has numerous publications in National and International journals and has written multiple chapters in books. He is member/ advisor on bodies of various institutions of the Government of India and has been conferred with various orations such as Dr. P. P. Karnik Oration, 2016, at NES, 2016, 11-13 March, AIIMS Bhopal,

A.O.I. Oration (Rajasthan state branch), at Udaipur, on 22<sup>nd</sup> Oct. 2016, Dr Satyaban Roy Memorial Oration 2015, at 44<sup>th</sup> Annual state conference 4-6<sup>th</sup> Dec. 2015, Chjalsa, Siliguri, S. S. Balge Oration award at 39<sup>th</sup> annual conference of AOI GSB Ahmedabad, Sher-E- Kashmir Sheikh Mohammed Abdullah Oration award- 2011, S M S Medical, College Jaipur, Raj, 1<sup>st</sup> Oct, 2012. Prof. Y. N. Mehra oration- 2012, Delivered on 30<sup>th</sup> Nov, 2012, at PGIMER, Chandigarh. Prof. Abirlal Mukherjee Oration, AOI CON, Chandan Nagar, West Bengal, Sept. 2012. Prof. Kailash rai Oration, Rajasthan State AOI CON, MGMC, Jaipur, Raj, 2011. Prof. C. Das Oration, NEBAOICON, (North East Br) Shilong, Assam, Oct 2011. Dr. L H Hiranandani oration, AOICON at Agra, Jan, 2008. Prof. R N Misra Oration, KGMC, Lucknow, UP, August, 2007. Certificate of appreciation of services from Vice-President of India, 2007. Invited Guest speaker in the Annual AP state BR. of AOI, July 2010. Guest Speaker in Annual Head & Neck Workshop at All India Institute of Medical Sciences, New Delhi, Oct. 1993, Jan. 1998 and Oct. 1998. A.O.I. Guest Lecture in Annual Conference of Rajasthan State Branch of A.O.I. Nov. 1994.

He has been nominated as President of AIIMS, Jodhpur, by Government of India in 2018.





**Director**  
Prof. Sanjeev Misra

## Administration



**Financial Advisor**  
Mr. Anant Prakash



**Deputy Director (Administration)**  
Mr. N. R. Bishnoi



**Finance and Chief Accounts Officer**  
Ms. Rashmi Tahiliani



**Administrative Officer**  
Mr. Manish Kumar Srivastava  
(Additional Charge)

## Engineering



**Executive Engineer (Civil)**  
Er. Sunil Mathur  
(Additional Charge of  
Superintending Engineer)



**Executive Engineer (Electrical)**  
Er. Pankaj Saxena









**Office Bearers**  
**at**  
**AIIMS Jodhpur**




















## Academics

S. No.	Name & Designation	Photo
1	Dr. Kuldeep Singh Dean	
2	Dr. Shilpi Gupta Dixit Vice Dean	
3	Dr. Abhishek Bhardwaj Sub Dean	
4	Dr. Nitin Bajpai Assistant Dean	
5	Dr. Pradeep Dwivedi Assistant Dean	
6	Mr. Manish Kumar Srivastava Registrar	





## Examinations

S. No.	Name & Designation	Photo
1	Dr. Praveen Sharma Controller of Examinations	
2	Dr. Abhinav Dixit Vice Dean	
3	Dr. Shashank Shekhar Sub Dean	
4	Dr. Puneet Pareek Sub Dean	
5	Dr. Dushyant Agarwal Assistant Dean	
6	Dr. Nishant Chauhan Assistant Dean	
7	Mr. Ashok Kumar Assistant Dean	
8	Dr. Ravisekhar Gadepalli Assistant Dean	
9	Dr. Shrimanjunath Sankanagoudar Assistant Dean	








## Research

S. No.	Name & Designation	Photo
1	Dr. Praveen Sharma Dean	
2	Dr. Vijaya Lakshmi Nag Vice Dean	
3	Dr. Pankaj Bhardwaj Sub Dean	
4	Dr. Neeraj Gupta Assistant Dean	
5.	Dr. Tanuj Kanchan Assistant Dean	
6.	Dr. Jaykaran Charan Assistant Dean	

## Student Welfare

S. No.	Name & Designation	Photo
1	Dr. Surajit Ghatak Dean	
2	Dr. Abhay Elhence Vice Dean	
3	Dr. Naresh Nebhinani Sub Dean	
4	Dr. Daisy Khera Assistant Dean	

## Hospital Services

S. No.	Name & Designation	Photo
1	Dr. Arvind Sinha Medical Superintendent	
2	Dr. Naveen Dutt Deputy Medical Superintendent	
3	Dr. Mahaveer Singh Rodha Deputy Medical Superintendent	
4	Dr. Suryanarayanan Bhaskar Deputy Medical Superintendent	
5	Dr. Nikhil Kothari Deputy Medical Superintendent	
6	Dr. Mithu Banerjee Deputy Medical Superintendent	
7	Dr. Binit Sureka Deputy Medical Superintendent	



## Milestones

- 02<sup>nd</sup> August 2019 : 1<sup>st</sup> Renal Transplant Surgery at AIIMS, Jodhpur
- 28<sup>th</sup> Aug to 04<sup>th</sup> Sept 2019 : 'Tejas' Inter-batch sports festival
- 15<sup>th</sup> September 2019 : 7<sup>th</sup> Annual Day Celebration, Occassion graced by Prof. S. C. Sharma, the President of AIIMS Jodhpur, Prof. Shantanu Choudhary, Director, IIT Jodhpur and Prof. Sanjeev Misra, Director, AIIMS, Jodhpur
- 3<sup>rd</sup> December 2019 : Setting up of Indo-Sweden health Care Innovation Centre
- 7<sup>th</sup> December 2019 : Second Convocation of AIIMS, Jodhpur, Occasion graced by Shri Ram Nath Kovind, the Hon'ble President of India; Shri Kalraj Mishra, the Hon'ble Governor of Rajasthan; Shri Ashok Gehlot, the Hon'ble Chief Minister of Rajasthan; Dr. Harsh Vardhan, the Hon'ble Minister of Health and Family Welfare, Government of India; Shri Gajendra Singh Shekhawat, the Hon'ble Minister of Jal Shakti, Government of India; Shri P. P. Chaudhary, Shri C. P. Joshi & Shri Narayan Lal Panchariya Hon'ble Members of Parliament and Member of our Institute Body; Prof. S.C. Sharma, the President of AIIMS Jodhpur & Prof. Sanjeev Misra, Director AIIMS, Jodhpur.
- 7<sup>th</sup> December 2019 : Laying of foundation stone of Administrative Block at AIIMS, Jodhpur by Shri Ram Nath Kovind, the Hon'ble President of India in the presence of Shri Kalraj Mishra, the Hon'ble Governor of Rajasthan; Shri Ashok Gehlot, the Hon'ble Chief Minister of Rajasthan; Dr. Harsh Vardhan, the Hon'ble Minister of Health and Family Welfare, Government of India; Shri Gajendra Singh Shekhawat, the Hon'ble Minister of Jal Shakti, Government of India; Shri P. P. Chaudhary, Shri C. P. Joshi & Shri Narayan Lal Panchariya Hon'ble Members of Parliament and Member of our Institute Body; Prof. S.C. Sharma, the President of AIIMS Jodhpur & Prof. Sanjeev Misra, Director AIIMS, Jodhpur.

- 7<sup>th</sup> December 2019 : Dr. Harsh Vardhan, the Hon'ble Minister of Health & Family Welfare, Government of India laid the foundation stone for Student Activity Centre at AIIMS, Jodhpur in the presence of Shri Kalraj Mishra, the Hon'ble Governor of Rajasthan; Shri Ashok Gehlot, the Hon'ble Chief Minister of Rajasthan; Shri Gajendra Singh Shekhawat, the Hon'ble Minister of Jal Shakti, Government of India; Shri P. P. Chaudhary, Shri C. P. Joshi & Shri Narayan Lal Panchariya Hon'ble Members of Parliament and Member of our Institute Body; Prof. S.C. Sharma, the President of AIIMS Jodhpur & Prof. Sanjeev Misra, Director AIIMS, Jodhpur.
- 21<sup>st</sup> January 2020 : 4<sup>th</sup> Central Institute Body Meeting
- 29<sup>th</sup> Feb to 3<sup>rd</sup> March, 2020 : 'Aura' Inter College festival



# Hospital Services



## Hospital Services

### HOSPITAL SERVICES

The hospital started functioning initially in 2012 with OPD facilities only. The IPD facilities and OT services started in 2013 and 2014 respectively, in the OPD block as a makeshift arrangement. By now, all services have shifted to their designated buildings and are functioning optimally. The patient feedback has shown a heartening trend of increasing satisfaction regarding the cleanliness of the hospital and quality of care provided. Apart from routine OPD services, AIIMS Jodhpur provides advanced Specialty and Superspeciality services like Neonatology, Pediatric Surgery, Oncology, Oncosurgery, Neurology, Neurosurgery, Cardiology, Cardiac surgery, Pulmonology, Endocrinology, Surgical Gastroenterology and Pediatric Nephrology etc. This year both the number of Outpatient Consultation rooms and Inpatient beds have been increased.

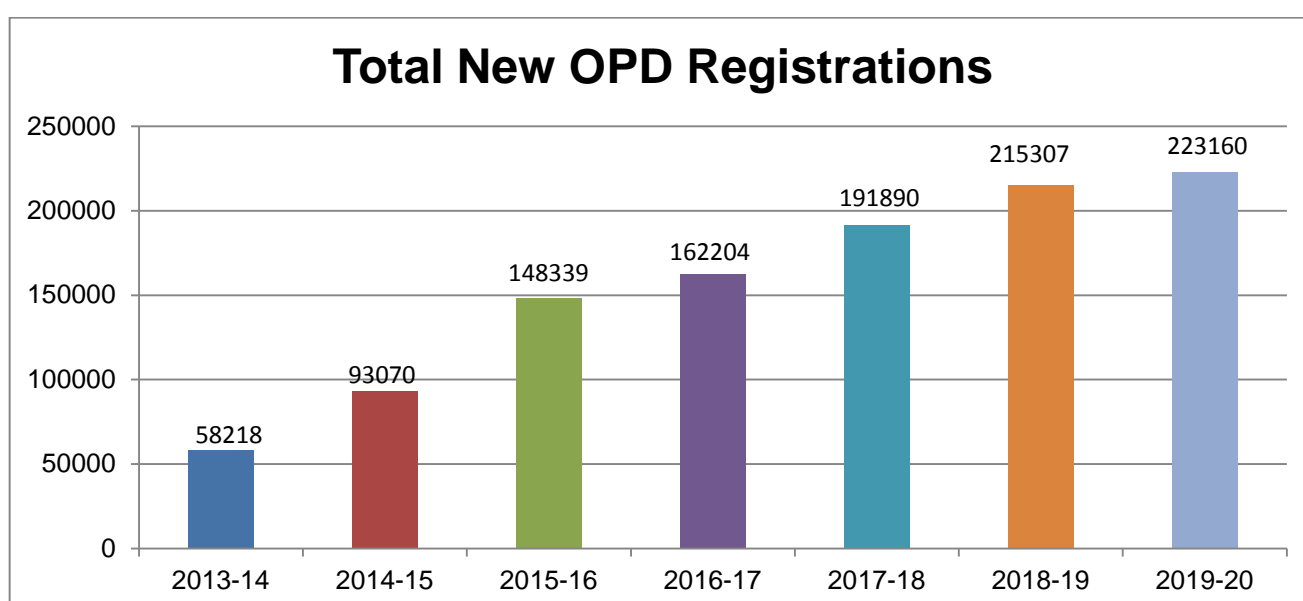
The OPD attendance, IPD admissions, surgery numbers and complexity have increased. The institute is now performing many more advanced procedures including MRI, advanced laparoscopic & Complex (minimal invasive) surgeries like Partial Nephrectomy, Hernia, Radical Cystectomy, VVF repair, Wertheim hysterectomy etc routinely in all surgical specialities. Advanced surgeries like hip and knee replacements, other joint replacement surgeries, open heart surgeries, neurosurgeries, gastrointestinal surgeries, thoracoscopic procedures, endourological procedures, major malignancy procedures, cochlear implant, advanced gynaecological procedures etc are now being carried out at AIIMS Jodhpur.

The hospital services are backed by an equally robust diagnostic backbone comprising Biochemistry, Pathology and Microbiological Laboratories, which perform an array of investigations to support the clinical services.

AIIMS Jodhpur is the first institute in Rajasthan to start Robotic Surgery. Complex surgeries with minimal invasion and scarring can now be performed safely using the Robot. AIIMS Jodhpur had established AYUSH services with start of Ayurveda and Homeopathy. In this year, AIIMS Jodhpur established and started Nuclear Medicine Department, with facilities of PET scan, Cardiac Scan, thyroid scan etc. This department will go to start nuclear medicine based cancer therapy also. The institute has been growing steadily.

#### 1. New OPD Registrations

The total no. of new OPD registrations increased in the year. A total 2,23,160 of new patients were registered in the year 2019-20 as compared to 2,15,307 patients registered in the previous year.

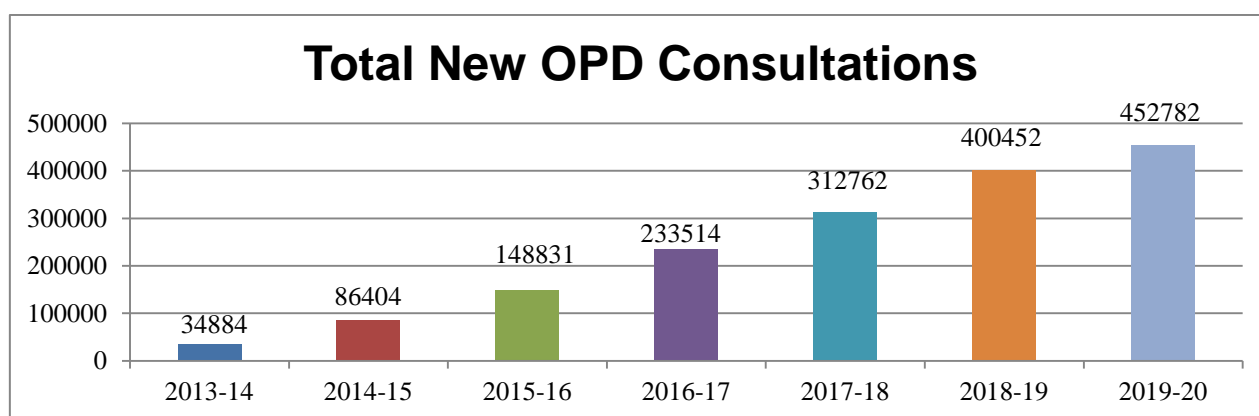


Sr. No	Year	Total no. of New OPD Registrations
1.	2013-14	58218
2.	2014-15	93070
3.	2015-16	148339
4	2016-17	162204
5	2017-18	191890
6	2018-19	215307
7	2019-20	223160

Sr. No	Month	Total no. of New OPD Registrations
1.	Apr – 19	19216
2.	May – 19	21098
3.	Jun – 19	19086
4.	Jul – 19	22066
5.	Aug -19	19211
6.	Sep – 19	21100
7.	Oct – 19	18213
8	Nov – 19	17786
9.	Dec - 19	17331
10	Jan - 20	16255
11	Feb - 20	18500
12	Mar - 20	13298

## 2. New OPD Consultations

The total no. of New OPD consultations increased in the year 2019-20 as compared to the previous year. A total of 4,52,782 New OPD consultations were done from 1stApril 2019 to 31stMarch 2020 as compared to 4,00,452 consultations in the preceding year.

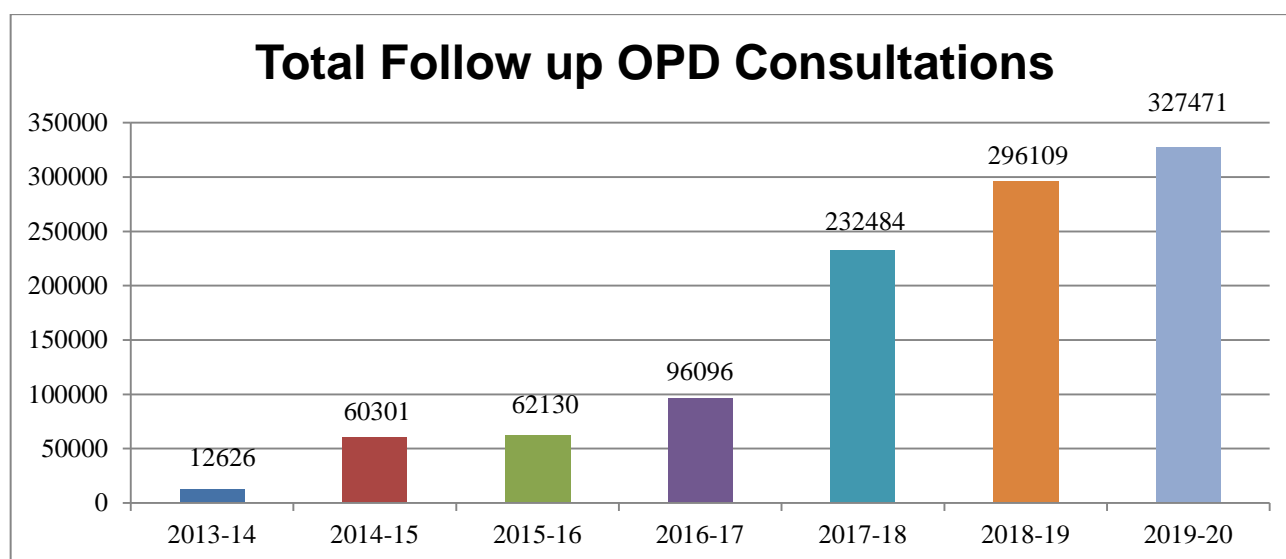


Sr. No	Year	Total no. of New OPD Consultations
1.	2013-14	34884
2.	2014-15	86404
3.	2015-16	148831
4.	2016-17	233514
5.	2017-18	312762
6.	2018-19	400452
7.	2019-20	452782

Sr. No	Month	Total no. of New OPD Consultations
1.	Apr – 19	36827
2.	May – 19	40678
3.	Jun – 19	35226
4.	Jul – 19	43203
5.	Aug -19	38506
6.	Sep – 19	41846
7.	Oct – 19	37874
8.	Nov – 19	37935
9.	Dec – 19	36824
10.	Jan – 20	36434
11.	Feb – 20	39308
12.	Mar – 20	28121

### 3. Follow up OPD Consultations

The total no. of follow up OPD consultations increased in the year 2019-20 as compared to the previous year. A total of 2,96,109 Follow up OPD consultations were done from 1st April 2019 to 31st March 2020 as compared to 3,04,767 consultations in the preceding year.



Sr. No	Year	Total no. of follow up OPD Consultations
1.	2013-14	12626
2.	2014-15	60301
3.	2015-16	62130
4.	2016-17	96096
5.	2017-18	232484
6.	2018-19	296109
7.	2019-20	327471

Sr. No	Month	Total no. of follow up OPD Consultations
1.	Apr – 19	25910
2.	May – 19	28321
3.	Jun – 19	25840
4.	Jul – 19	29581
5.	Aug -19	26645
6.	Sep – 19	29946
7.	Oct – 19	25788
8.	Nov – 19	27400
9.	Dec – 19	28413
10.	Jan – 20	28543
11.	Feb – 20	28380
12.	Mar – 20	22704

#### 4. Functional Specialities

##### ❖ Number of functional Departments: General Specialities

1. General Medicine
2. General Surgery
3. Obstetrics and Gynaecology
4. Orthopaedics
5. Paediatrics
6. Dermatology, Venereology and Leprology
7. Otorhinolaryngology
8. Ophthalmology
9. Radiotherapy
10. Anaesthesiology and Critical Care
11. Transfusion Medicine and Transplant Immunology
12. Psychiatry
13. Dentistry
14. Physical Medicine and Rehabilitation
15. Pulmonary Medicine
16. Trauma and Emergency
17. Pathology
18. Biochemistry
19. Microbiology
20. Transfusion Medicine

❖ **Number of Functional Departments: Super-Specialties**

1. Cardiology
2. Cardiothoracic and Vascular Surgery
3. Nephrology
4. Gastrointestinal Surgery
5. Burns and Plastic Surgery
6. Neurosurgery
7. Neurology
8. Urology
9. Surgical Oncology
10. Endocrinology
11. Paediatric Surgery
12. Neonatology
13. Nuclear Medicine

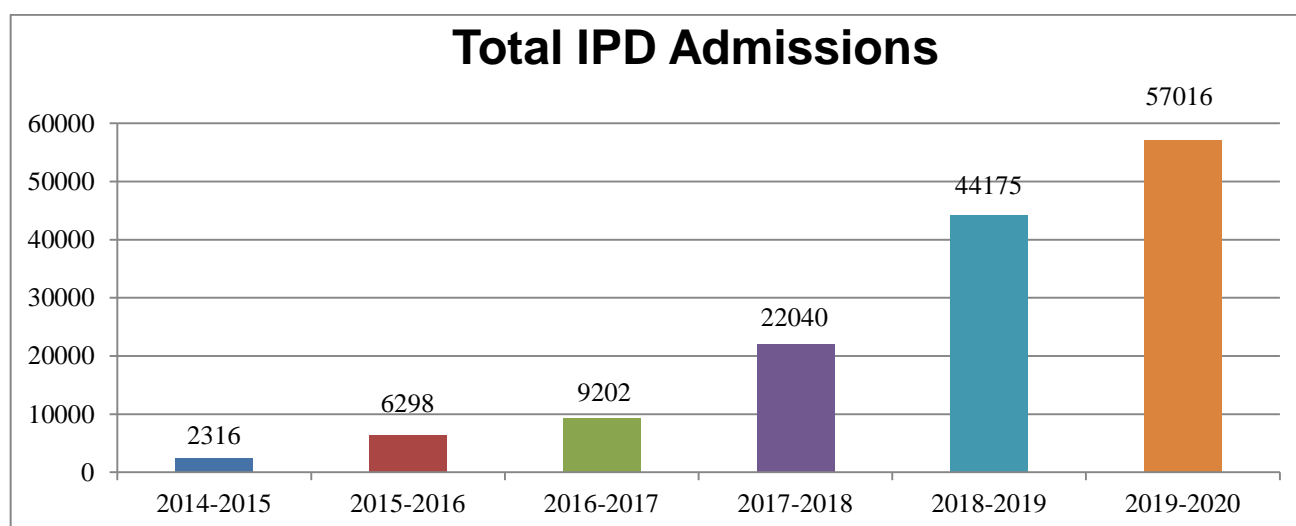
**5. IPD Beds**

Current Bed Strength – 960 with 53 beds in ICU (35 bed AICU & 6 bed in PICU & 12 beds in NICU)

Hospital Information Service (HIS) for IPD was started in Feb 2014. The First Government Hospital of India to have complete paperless HIS for both OPD and IPD, more beds were added to IPD. There were 708 beds in 2018-19 which have increased to 960 as on 2019-20.

**6. IPD Admissions**

The number of patients that are catered to through IPD increased in the year 2019-20. 57,016 patients were admitted in the institute during the year 2018-19 vs 44,175 during previous year.

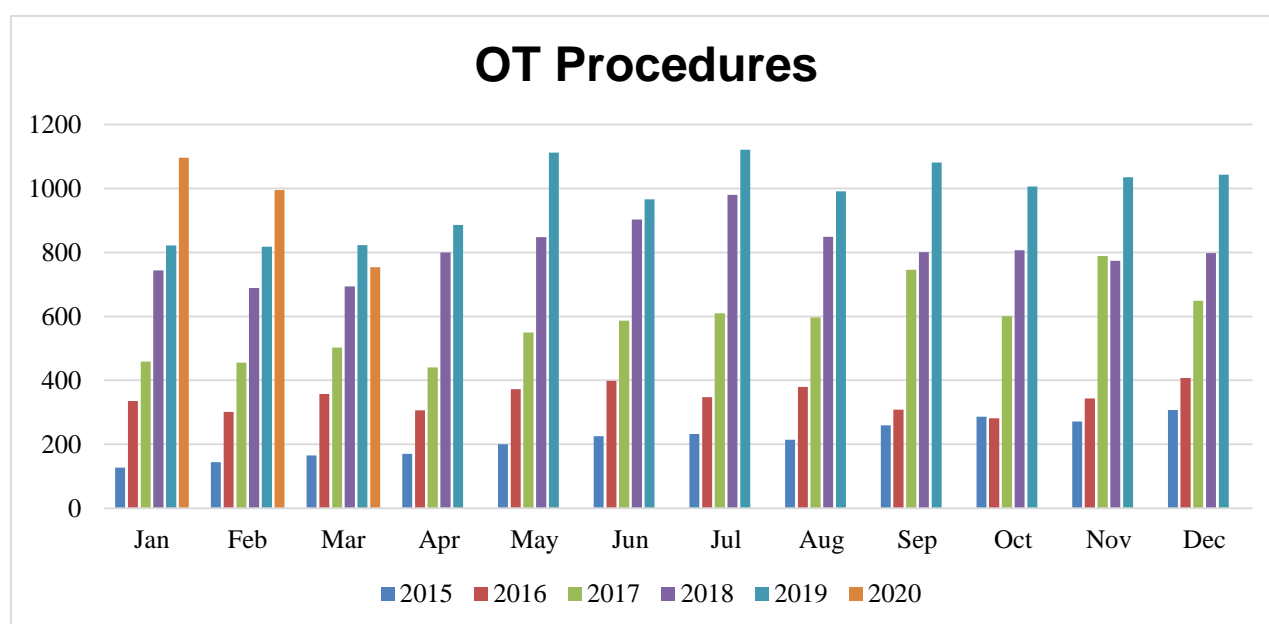


Sr. No	Year	Total IPD Admissions
1.	2014-15	2,256
2.	2015-16	6,298
3.	2016-17	9,202
4.	2017-18	22,040
5.	2018-19	44,175
6.	2019-20	57,016

Sr. No	Month	Total IPD Admissions
1.	Apr – 19	4038
2.	May – 19	4394
3.	Jun – 19	3984
4.	Jul – 19	4673
5.	Aug -19	4715
6.	Sep – 19	5438
7.	Oct – 19	5541
8	Nov – 19	4941
9.	Dec – 19	4680
10	Jan – 20	4899
11	Feb – 20	5009
12	Mar – 20	4704

## 7. OT Procedures

The institute has been catering to increasing number of patients through the operation theatres. 12,086 major OT procedures were performed in the year 2019-20 that increased to 10,023 in the year 2018-19.



Sr.No	Year	Total OT Procedures
1.	2014-2015	916
2.	2015-2016	3,160
3.	2016-2017	4,645
4.	2017-2018	7,696
5.	2018-2019	10,023
6.	2019-2020	12,086



Sr.No	Month	Total OT Procedures
1.	April – 19	886
2.	May – 19	1112
3.	June – 19	966
4.	July – 19	1121
5.	Aug -19	991
6.	Sep – 19	1081
7.	Oct – 19	1006
8	Nov – 19	1035
9.	Dec – 19	1043
10	Jan – 20	1096
11	Feb – 20	995
12	Mar – 20	754

Department-wise Number of Operations done every year

Sr.No	Year	Total OT Procedures
1.	2014	483
2.	2015	2603
3.	2016	4221
4.	2017	6986
5.	2018	9687
6.	2019	11704
7.	2020 (till Mar)	2845

Department wise Surgeries: Year wise data

Department wise Surgeries							
	2014	2015	2016	2017	2018	2019	2020 (till Mar)
Dentistry	11	30	82	116	216	428	76
Otorhinolaryngology	64	304	489	559	809	867	193
General Surgery	166	939	1164	1437	1582	1790	513
Obstetrics & Gynaecology	63	286	428	740	1219	1656	483
Onco-Surgery	13	83	103	119	172	274	81
Ophthalmology	0	150	535	997	878	814	92
Orthopaedics	53	335	451	603	931	1109	248
Pediatric Surgery	73	306	542	711	867	938	244
Physical Medicine & Rehabilitation	35	108	350	0	104	38	0

Department wise Surgeries							
	2014	2015	2016	2017	2018	2019	2020 (till Mar)
Radio-Diagnosis	5	44	2	0	1	0	0
Anaesthesiology	0	18	9	21	150	145	48
Psychiatry	0	0	19	155	307	309	68
Nephrology	0	0	23	6	4	16	0
Dermatology	0	0	7	32	123	78	8
Pulmonary Medicine	0	0	9	11	6	16	10
Cardio Thoracic Surgery	0	0	5	18	40	97	19
Radio Therapy	0	0	3	0	39	20	16
Plastic Surgery	0	0	0	128	569	769	198
Neurosurgery	0	0	0	51	302	521	97
Urology	0	0	0	1089	1185	1516	322
GI Surgery	0	0	0	193	183	299	59
<b>Total</b>	<b>483</b>	<b>2603</b>	<b>4221</b>	<b>6986</b>	<b>9687</b>	<b>11704</b>	<b>2845</b>

## 8. Emergency Services

Since the initiation of emergency services from 1st Oct 2017, the Hospital has been catering to sick patients. The emergency service consists of 14 triage beds on ground floor. This is also equipped with a ventilator. The triage is used for the initial management of the emergency patient. The emergency ward is on the first (Medicine) and second (Surgery) floor with 27 emergency beds in each with round the clock medical support and backup.

### Total no. of admission in Emergency

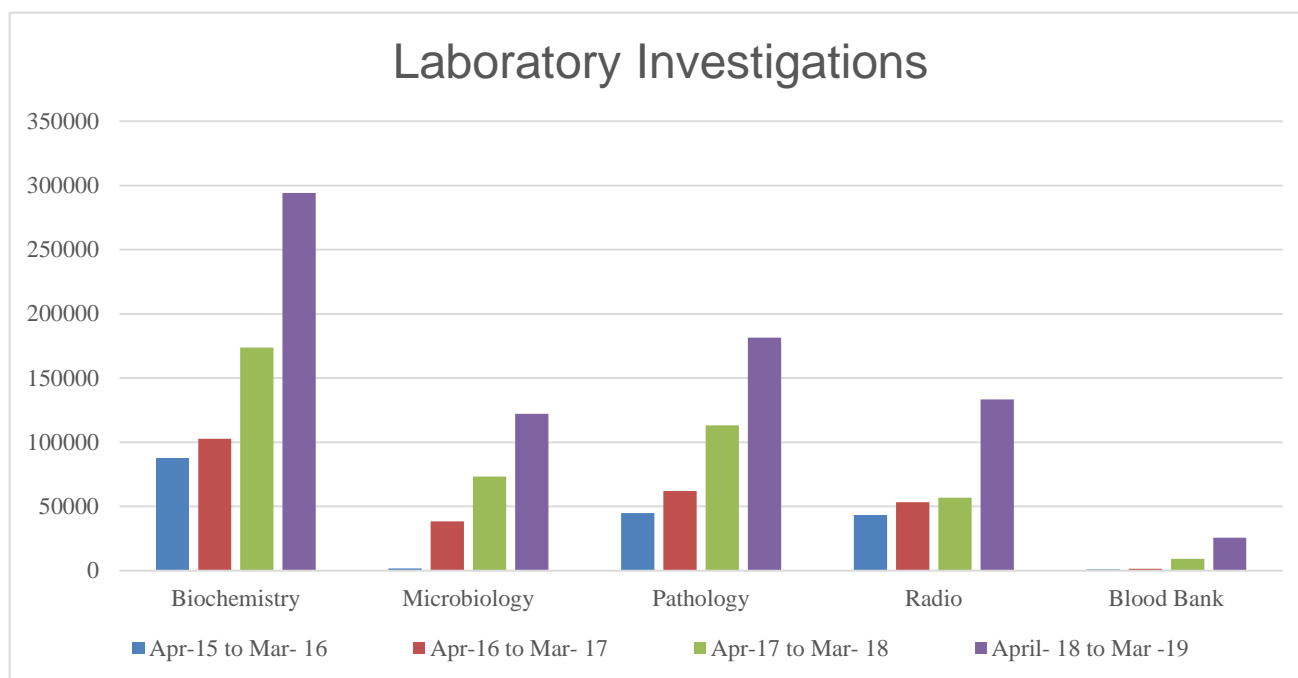
Sr.No	Month	Total Number of Patients
1.	Apr – 19	1786
2.	May – 19	1925
3.	Jun – 19	1702
4.	Jul – 19	1943
5.	Aug -19	2175
6.	Sep – 19	2850
7.	Oct – 19	2947
8.	Nov – 19	2275
9.	Dec – 19	1950
10.	Jan – 20	2042
11.	Feb – 20	2334
12.	Mar – 20	2345
<b>Total</b>		<b>26274</b>

Total no. of department wise admission in Emergency

Sr. No.	Month	Medicine	Surgery	Pediatric	Orthopedic	Psychiatry	Dental	Radiology	ENT	Total
1	Apr – 19	712	533	408	133	0	0	0	0	1786
2	May – 19	819	556	410	140	0	0	0	0	1925
3.	Jun – 19	702	516	370	114	0	0	0	0	1702
4	Jul – 19	809	617	370	147	0	0	0	0	1943
5	Aug -19	952	600	481	142	0	0	0	0	2175
6	Sep – 19	1594	587	552	117	0	0	0	0	2850
7	Oct – 19	1602	503	701	141	0	0	0	0	2947
8	Nov – 19	1158	507	485	125	0	0	0	0	2275
9	Dec – 19	870	546	452	82	0	0	0	0	1950
10	Jan – 20	917	584	424	117	0	0	0	0	2042
11	Feb – 20	994	602	637	101	0	0	0	0	2334
12	Mar – 20	1095	539	629	82	0	0	0	0	2345
Total										26,274

## 9. Laboratory Investigations

The laboratory investigations also showed a proportionate increase in demand and services offered. 10,20,385 investigations were done during 2019-20 as compared to 7,56,710 investigations performed in the previous year 2018-19.



## Investigations

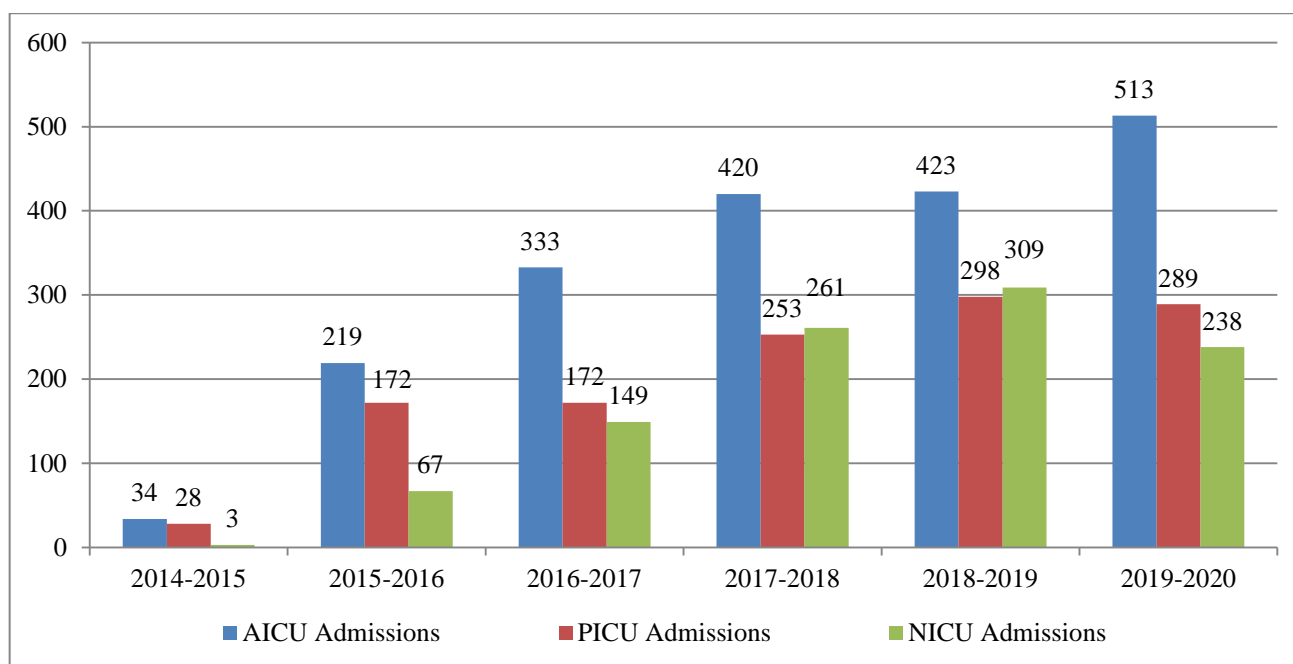
Sr.No	Department	2015-16	2016-17	2017-18	2018-19	2019-20
1.	Biochemistry	87624	102596	173760	294267	405084
2.	Microbiology	1664	38205	73256	122028	166562
3.	Pathology	44895	62081	113189	181424	243650
4.	Radiology	43395	53383	56884	133278	167435
5.	Blood Bank	1008	1515	9222	25713	37654

## 10. Blood Bank Services

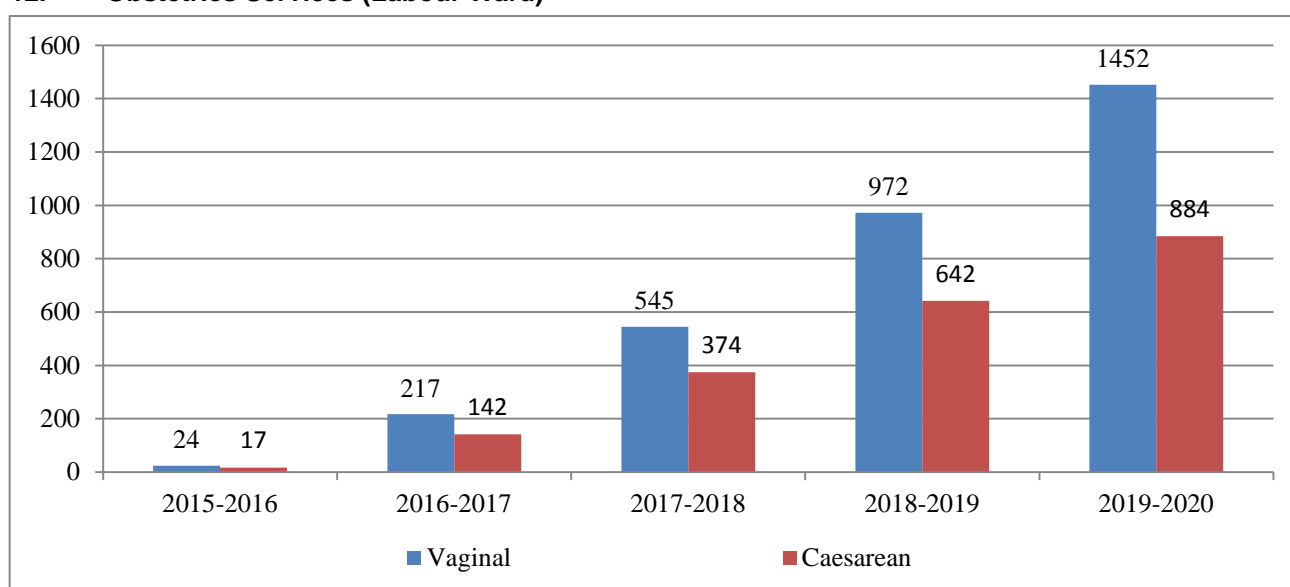
Blood Bank started in AIIMS Jodhpur started with establishment of the Blood Bank in February 2015. Since then more than 10,000 donations have been done and more than 25000 components have been administered to the patients. Blood Bank in AIIMS Jodhpur not only caters to the needs patients admitted in AIIMS Jodhpur but also to those in nearby hospitals.

Voluntary blood donations are encouraged with regular counseling and motivation of potential donors and participation in blood donation camps in and around Jodhpur with the help of voluntary organizations, blood donor groups and NGOs. We aim towards 100 percent voluntary donations and are taking steps towards achieving it.

Sr. No.	Month	No. of Voluntary Donation	No. of Blood issued	No. of Therapeutic Plasma Exchange	No. of Camps Conducted
1	Apr – 19	306	241	1	3
2	May – 19	316	309	5	2
3	Jun – 19	326	298	7	3
4	Jul – 19	234	268	12	1
5	Aug -19	317	279	7	3
6	Sep – 19	244	292	7	3
7	Oct – 19	379	267	2	4
8	Nov – 19	303	343	4	1
9	Dec – 19	436	377	0	5
10	Jan – 20	381	367	22	4
11	Feb – 20	368	373	14	5
12	Mar – 20	274	312	15	0
	Total	3192	3726	96	34

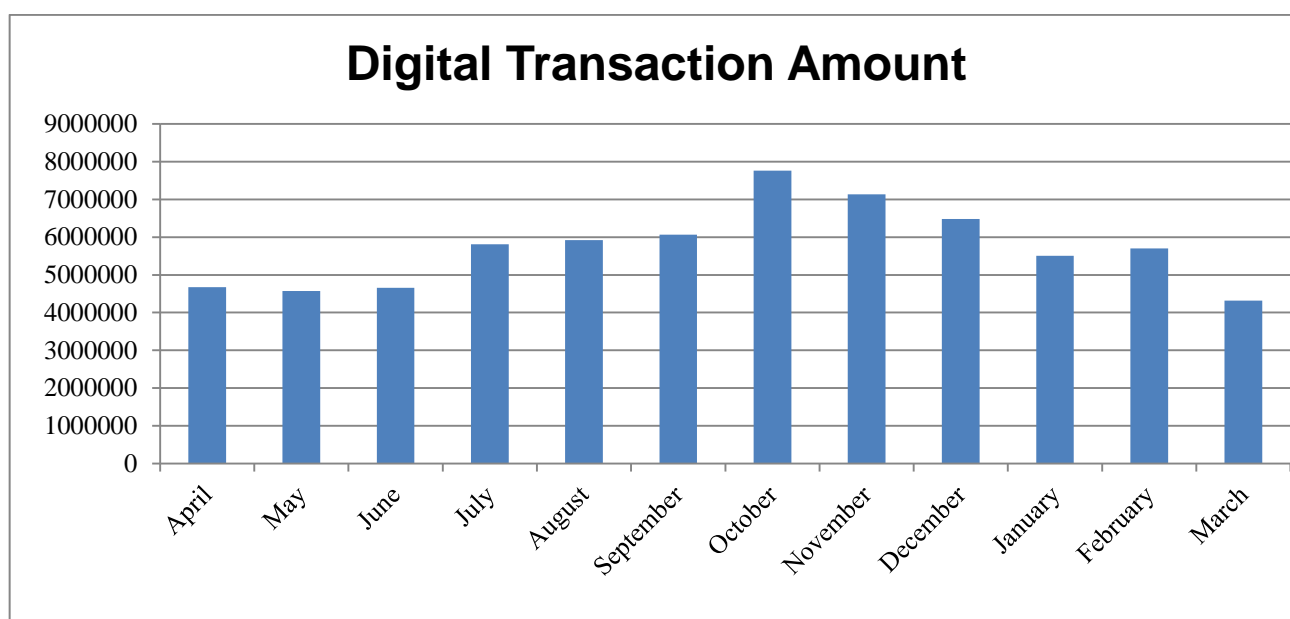
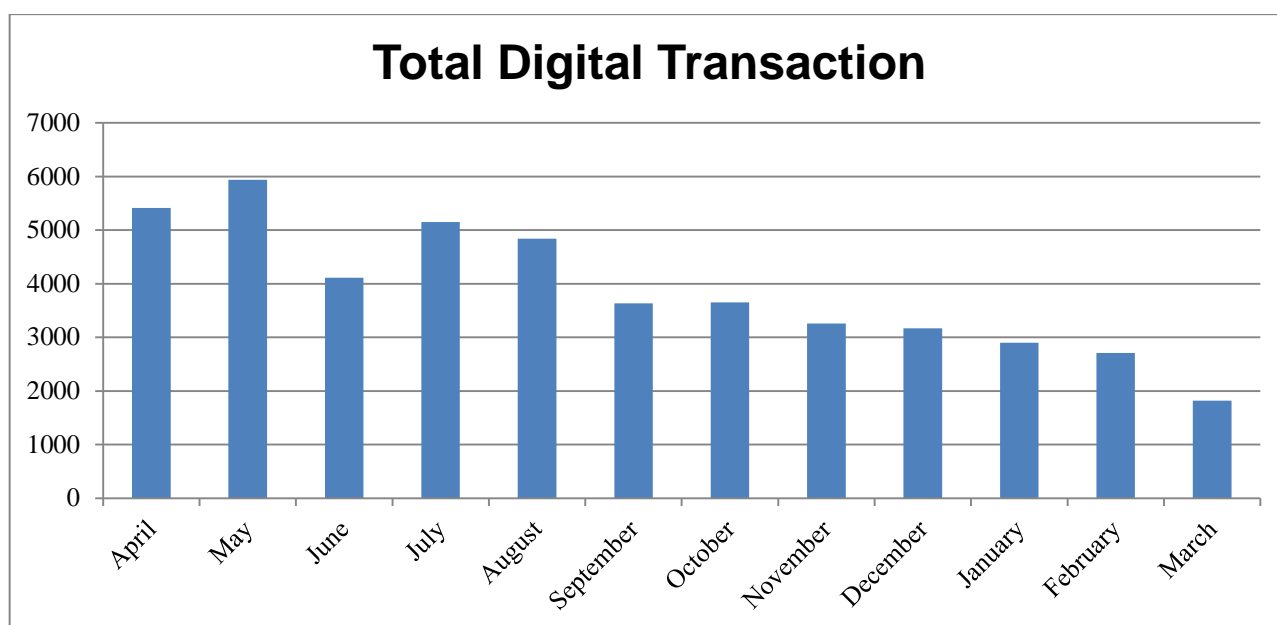
**11. ICU Admissions**

Sr. No	Year	AICU Admisson	PICU Admission	NICU Admisson
1	2014-15	34	28	3
2	2015-16	219	172	67
3	2016-17	333	172	149
4	2017-18	420	253	261
5	2018-19	423	298	309
6	2019-20	513	289	238

**12. Obstetrics Services (Labour Ward)**

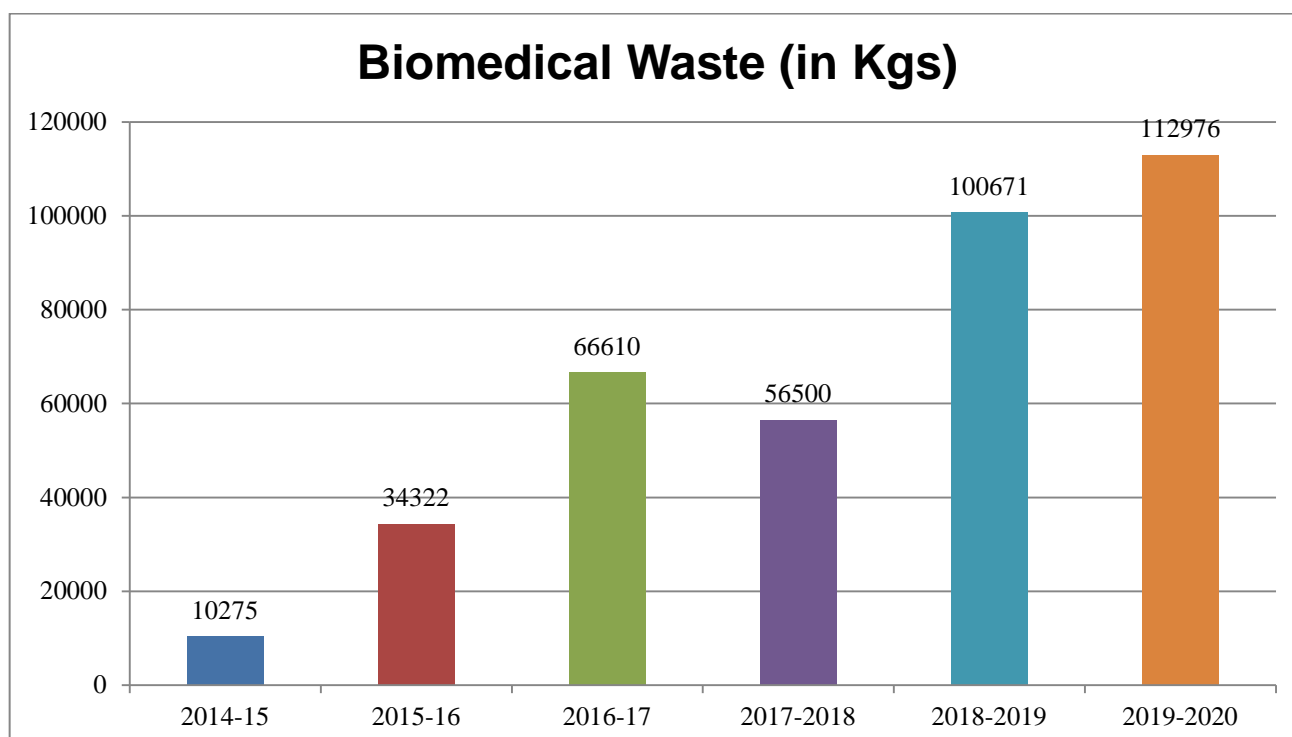
Sr. No	Year	Vaginal	Caesarean
1	2015-16	24	17
2	2016-17	217	142
3	2017-18	545	374
4	2018-19	972	642
5	2019-20	1452	884

### 13. Digital Data

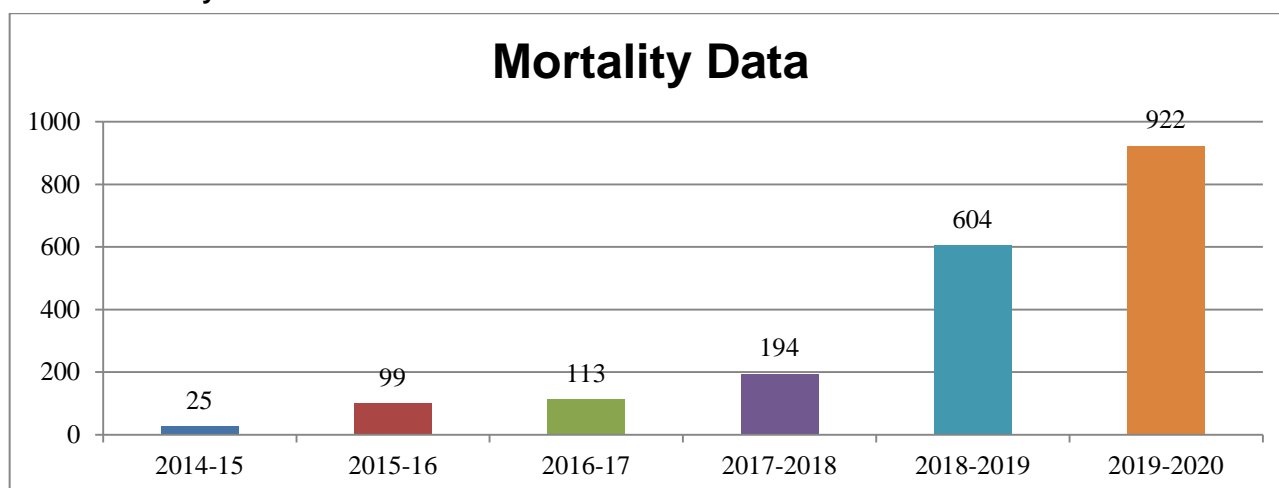


Sr. No	Financial Year	No of Digital Transaction	Digital Transaction Amount
1	2017-18	14,701	1,24,88,587/-
2	2018-19	62,365	3,55,50,432/-
3	2019-2020	46,596	6,85,81,135/-

#### 14. Bio-Medical Waste



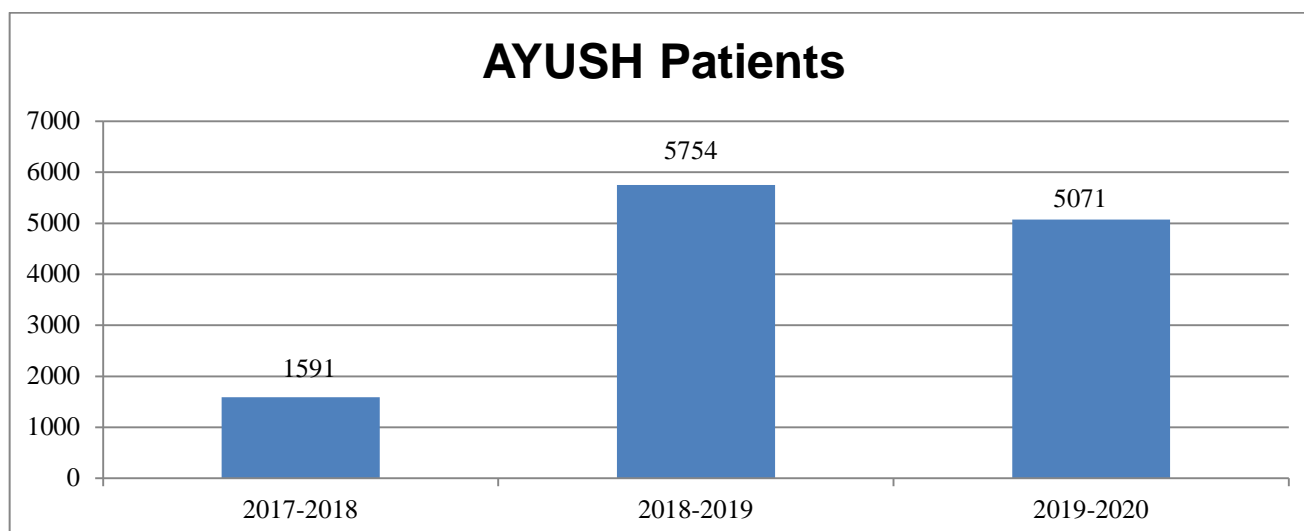
Sr. No	Year	Bio Medical Waste (in Kgs)
1	2014-15	10,275
2	2015-16	34,322
3	2016-17	66,610
4	2017-18	56,500
5	2018-19	1,00,671
6	2019-20	1,12,976

**15. Mortality Data**

Sr. No	Year	Mortality Data
1	2014-15	25
2	2015-16	99
3	2016-17	113
4	2017-18	194
5	2018-19	604
6	2019-20	922

**16. AYUSH Data**

Financial Year	No. of AYUSH Patients
2017-2018	1591
2018-2019	5754
2019-2020	5071





# 2<sup>nd</sup> Convocation



## **2<sup>nd</sup> Convocation, AIIMS Jodhpur**

### **(7<sup>th</sup> December 2019)**

The 2<sup>nd</sup> Convocation of All India Institute of Medical Sciences, Jodhpur was held on 7<sup>th</sup> December 2019 at AIIMS, Jodhpur.

The Institute was honored to host the Hon'ble President of India, Shri Ram Nath Kovind as the Chief Guest. The occasion was also graced by Hon'ble Governor of Rajasthan, Shri Kalraj Mishra; Hon'ble Chief Minister of Rajasthan, Shri Ashok Gehlot;

Hon'ble Minister of Health & Family Welfare, Govt. of India, Dr. Harsh Vardhan; Hon'ble Minister of Jal Shakti, Govt. of India, Shri Gajendra Singh Shekhawat; Hon'ble Members of Parliament Shri P. P. Chaudhary, Shri Narayan Lal Panchariya; Shri C. P. Joshi and President, AIIMS, Jodhpur, Prof. S.C. Sharma.

Prof. Sanjeev Misra welcomed the dignitaries and presented the progress report of the institute.

The meritorious students were awarded the medals by the Hon'ble President of India. The Hon'ble President in his address urged the graduating students to serve the needy using their skills and knowledge and develop compassion or "Karuna". He appreciated the efforts of the institute to excel in medical education and research and be the preferred choice of the students after AIIMS Delhi. The Hon'ble President expressed his happiness on the fact that AIIMS Jodhpur and IIT Jodhpur were collaborating to develop low cost healthcare technologies. He stressed on the need to focus on the traditional healthcare systems of medicine and expressed his pleasure on AIIMS Jodhpur having AYUSH services.

The Hon'ble President of India, Shri Ram Nath Kovind also laid the foundation stone for Administrative Block at AIIMS Jodhpur.

Hon'ble Minister of Health & Family Welfare, Govt. of India, Dr. Harsh Vardhan in his address asked the students to follow values like truth, love and compassion to be successful in life.

Hon'ble Minister of Jal Shakti, Govt. of India, Shri Gajendra Singh Shekhawat expressed his happiness at the growth of the institute and the services being provided by the institute to the people of this part of the country.

The dignitaries awarded the degrees to MD, MSc Nursing, MBBS and BSc (Hons) Nursing students. The President of AIIMS Jodhpur, Prof. S.C. Sharma expressed his pleasure at the growth and development of the institute. He appreciated the efforts of everyone at the institute for working towards taking the institute to higher levels under the leadership of the Director, Prof. Sanjeev Misra.

The event concluded with the Vote of Thanks by Dean (Academics), Prof. Kuldeep Singh.

The Hon'ble Minister of Health & Family Welfare, Govt. of India, Dr. Harsh Vardhan along with other esteemed dignitaries also laid the foundation stone of Student Activity Centre.



Hon'ble President of India, Shri Ram Nath Kovind and other dignitaries on the dias



Lamp Lighting by the Hon'ble President of India and other dignitaries



Director AIIMS, Jodhpur, Prof. Sanjeev Misra presenting a Token of Thanks on behalf of the institute to the Hon'ble President of India for gracing the occasion



Convocation Address by the Hon'ble President of India, Shri Ram Nath Kovind



Hon'ble Minister of Health and Family Welfare, Government of India,  
Dr. Harsh Vardhan addressing the gathering



Hon'ble Minister of Jal Shakti, Govt. of India, Shri Gajendra Singh Shekhawat addressing the gathering



Hon'ble President of India Shri Ram Nath Kovind awarding medal to meritorious student with other dignitaries



Dr. Harsh Vardhan, Hon'ble Minister of Health & Family Welfare, Govt. of India & Shri Gajendra Singh Shekhawat, Hon'ble Minister of Jal Shakti, Govt. of India with Hon'ble Members of the Parliament & Hon'ble Members of the Institute Body Shri P. P. Chaudhary, Shri Narayan Lal Panchariya & Shri C. P. Joshi.



Hon'ble President of India, Shri Ram Nath Kovind; Hon'ble Governor of Rajasthan, Shri Kalraj Mishra;  
Hon'ble Chief Minister of Rajasthan, Shri Ashok Gehlot; Hon'ble Minister of Health & Family Welfare, Govt. of India, Dr. Harsh Vardhan;  
Hon'ble Minister of Jal Shakti, Govt. of India, Shri Gajendra Singh Shekhawat;  
Hon'ble Members of Parliament Shri P. P. Chaudhary, Shri Narayan Lal Panchariya; Shri C. P. Joshi ;  
President, AIIMS, Jodhpur, Prof. S.C. Sharma, Director AIIMS Jodhpur, Prof. Sanjeev Misra  
and Office Bearers of AIIMS Jodhpur





Hon'ble Minister of Health & Family Welfare with other dignitaries at Student Activity Centre at AIIMS, Jodhpur



Hon'ble Minister of Health & Family Welfare laying the foundation stone of Student Activity Centre at AIIMS, Jodhpur



Hon'ble Minister of Health & Family Welfare with other dignitaries at Student Activity Centre, AIIMS, Jodhpur



Hon'ble Minister of Health & Family Welfare with other dignitaries at Student Activity Centre

# Annual Day Celebration



## 7<sup>th</sup> Annual Day Celebration (15<sup>th</sup> September 2019)

The 7<sup>th</sup> Annual Day of AIIMS Jodhpur was celebrated on 15<sup>th</sup> September 2019. The Chief Guest of the function was Prof. S. C. Sharma, President, AIIMS Jodhpur and the Guest of Honor was Prof. Santanu Chaudhury, Director IIT Jodhpur and member, Academic Committee, AIIMS Jodhpur.

The annual report of AIIMS Jodhpur was presented by the Director, Prof. Sanjeev Misra who highlighted the major achievements of the institute.

The Chief Guest, Prof. S.C. Sharma appreciated the progress made by AIIMS Jodhpur during the last seven years. He stressed on the fact that AIIMS Jodhpur should work to provide quality and affordable healthcare to all sections of the society especially the needy. He urged the faculty and staff to work to take the institute to international standards in education, patient care and research.

The Guest of Honor, Prof. Santanu Chaudhury, emphasized the importance of a Joint Centre for Healthcare Technologies being developed by both AIIMS Jodhpur and IIT Jodhpur, to specially focus on development of devices and products for Diagnostics and Treatment. He expressed his happiness at AIIMS Jodhpur making a mark as a premier medical institution in the country.

The Chief Guest and other dignitaries awarded the meritorious students of the Institute.

A new issue of the Newsletter "Rohida-the Communique" was released by the Chief Guest along with all the dignitaries.

The event was attended by Prof. Praveen Sharma, Dean (Research), Prof. Kuldeep Singh, Dean (Academics), Mr. N. R. Bishnoi, Deputy Director (Administration) and Mr. Manish Srivastava (Registrar), Heads of Departments and the faculty members, students and staff.

The vote of thanks was proposed by Prof. Praveen Sharma, Dean (Research).

The award ceremony was followed by the cultural function by the medical students.

The list of award winners is as follows:

### Final professional

#### i) Anshu Goyal

1. Director's Gold Medal
2. Gold Medal In Paediatrics
3. Gold Medal In Paediatrics, Obstetrics And Gynaecology And Community & Family Medicine
4. Book Prize For Standing First
5. Certificate Of Honour In Medicine
6. Certificate Of Honour In Surgery
7. Certificate Of Honour In Obstetrics And Gynaecology
8. Certificate Of Honour In Paediatrics
9. Certificate Of Honour In Community Medicine And Family Medicine

#### ii) Rishitha Pravallika

1. Director's Silver Medal
2. Gold Medal For The Best Girl Student In Final Mbbs Examination
3. Book Prize For Standing Second
4. Gold Medal In Obstetrics And Gynaecology
5. Gold Medal In Paediatrics
6. Gold Medal In Surgical Specialities
7. Silver Medal And Certificate Of Honour In Surgery
8. Certificate Of Honour In Medicine

9. Certificate Of Honour In Obstetrics And Gynaecology
10. Certificate Of Honour In Paediatrics

**iii) Arjun**

1. Director's Silver Medal
2. Book Prize For Standing Second
3. Gold Medal In Medicine
4. Gold Medal In Clinics
5. Silver Medal And Certificate Of Honour In Medicine
6. Certificate Of Honour In Surgery
7. Certificate Of Honour In Paediatrics

**iv) Naveen Maheshwari**

1. Gold Medal In Community Medicine And Family Medicine
2. Gold Medal In Basic And Medical Science
3. Certificate Of Honour In Medicine
4. Certificate Of Honour In Paediatrics
5. Certificate Of Honour In Community Medicine And Family Medicine

**v) Vandana Kapoor**

1. Gold Medal In Surgery
2. Gold Medal In Basic And Surgical Sciences
3. Silver Medal And Certificate Of Honour In Surgery
4. Certificate Of Honour In Obstetrics And Gynaecology
5. Certificate Of Honour In Community Medicine And Family Medicine

**vi) Dheerain Kumar Gupta**

1. Certificate Of Honour In Medicine
2. Certificate Of Honour In Surgery
3. Certificate Of Honour In Obstetrics And Gynaecology

**vii) Priyanka Karadia**

1. Certificate Of Honour In Surgery
2. Certificate Of Honour In Community Medicine And Family Medicine

**viii) Sachdeva Aashna Manoj**

1. Certificate Of Honour In Paediatrics
2. Certificate Of Honour In Community Medicine And Family Medicine

**ix) Agarwal Aditya Rajendra**

1. Certificate Of Honour In Medicine

**x) Prashant Tank**

1. Certificate Of Honour In Surgery

**xi) Rishi Agarwal**

1. Certificate Of Honour In Obstetrics And Gynaecology

**xii) Pooja Yadav**

1. Certificate Of Honour In Obstetrics And Gynaecology

**Second Professional Exam**

- i)** Harpyar Singh
1. Director's Gold Medal
  2. Book Prize For Standing First
  3. Gold Medal In Pharmacology
  4. Gold Medal In Microbiology
  5. Silver Medal And Certificate Of Honour In Pathology
  6. Silver Medal And Certificate Of Honour In Pharmacology
  7. Silver Medal And Certificate Of Honour In Microbiology
  8. Certificate Of Honour In Forensic Medicine & Toxicology
- ii)** Harleen Kaur
1. Director's Silver Medal
  2. Book Prize For Standing Second
  3. Gold Medal In Pathology
  4. Gold Medal In Pharmacology
  5. Silver Medal And Certificate Of Honour In Pathology
  6. Silver Medal And Certificate Of Honour In Pharmacology
  7. Silver Medal And Certificate Of Honour In Microbiology
  8. Certificate Of Honour In Forensic Medicine & Toxicology
- iii)** Ishudeep Kaur
1. Gold Medal In Forensic Medicine & Toxicology
  2. Silver Medal And Certificate Of Honour In Microbiology
  3. Silver Medal And Certificate Of Honour In Forensic Medicine & Toxicology
  4. Certificate Of Honour In Pathology
  5. Certificate Of Honour In Pharmacology
- iv)** Muskan Arora
1. Silver Medal And Certificate Of Honour In Pathology
  2. Silver Medal And Certificate Of Honour In Microbiology
  3. Certificate Of Honour In Pharmacology
  4. Certificate Of Honour In Forensic Medicine & Toxicology
- v)** Priti Padiyar
1. Silver Medal And Certificate Of Honour In Pathology
  2. Silver Medal And Certificate Of Honour In Microbiology
  3. Certificate Of Honour In Pharmacology
  4. Certificate Of Honour In Forensic Medicine & Toxicology
- vi)** Simran Kejriwal
1. Silver Medal And Certificate Of Honour In Pathology
  2. Certificate Of Honour In Pharmacology
  3. Certificate Of Honour In Microbiology
- vii)** Anuradha
1. Silver Medal And Certificate Of Honour In Microbiology
  2. Certificate Of Honour In Pathology
  3. Certificate Of Honour In Pharmacology

- viii)** Hunny Bansal
1. Certificate Of Honour In Pathology
  2. Certificate Of Honour In Microbiology
- ix)** Maya
1. Certificate Of Honour In Microbiology
  2. Certificate Of Honour In Forensic Medicine & Toxicology
- x)** Harkirat Singh
1. Certificate Of Honour In Microbiology
  2. Certificate Of Honour In Forensic Medicine & Toxicology
- xi)** Sanjoli Gupta
1. Certificate Of Honour In Microbiology
  2. Certificate Of Honour In Forensic Medicine & Toxicology
- xii)** Abhilash
1. Silver Medal And Certificate Of Honour In Microbiology
- xiii)** Pranav Vig
1. Certificate Of Honour In Pathology
- xiv)** Saurav Kumar
1. Certificate Of Honour In Pathology
- xv)** Siddarth Sahu
1. Certificate Of Honour In Pharmacology
- xvi)** Udita Patni
1. Certificate Of Honour In Microbiology

#### **First Professional Exam**

- i)** Shivam Chaudhary
1. Director's Gold Medal
  2. Book Prize For Standing First
  3. Gold Medal In Anatomy
  4. Gold Medal In Physiology
  5. Gold Medal In Biochemistry
  6. Silver Medal And Certificate Of Honour In Physiology
  7. Silver Medal And Certificate Of Honour In Biochemistry
  8. Certificate Of Honour In Anatomy
- ii)** Pratibha
1. Director's Silver Medal
  2. Book Prize For Standing Second
  3. Silver Medal And Certificate Of Honour In Physiology
  4. Silver Medal And Certificate Of Honour In Biochemistry
  5. Certificate Of Honour In Anatomy



- iii)** Parneet Kaur Sidhu
1. Silver Medal And Certificate Of Honour In Physiology
  2. Silver Medal And Certificate Of Honour In Biochemistry
- iv)** Patel Nirmal Jignesh Kumar
1. Silver Medal And Certificate Of Honour In Biochemistry
  2. Certificate Of Honour In Anatomy
  3. Certificate Of Honour In Physiology
- v)** Anushka Joshi
1. Silver Medal And Certificate Of Honour In Biochemistry
  2. Certificate Of Honour In Anatomy
- vi)** Rizul Goyal
1. Certificate Of Honour In Anatomy
  2. Certificate Of Honour In Biochemistry
- vii)** Jeel Katira
1. Certificate Of Honour In Physiology
  2. Certificate Of Honour In Biochemistry
- viii)** Sandhya Singh
1. Certificate Of Honour In Physiology
  2. Certificate Of Honour In Biochemistry
- ix)** Prince Kaushik
1. Silver Medal And Certificate Of Honour In Biochemistry
- x)** Mitali Malav
1. Silver Medal And Certificate Of Honour In Biochemistry
- xi)** Harshita Agarwal
1. Silver Medal And Certificate Of Honour In Biochemistry
- xii)** Urvika Garg
1. Certificate Of Honour In Physiology
- xiii)** Vibhanshu Shrimali
1. Certificate Of Honour In Physiology
- xiv)** Devendra Kumar
1. Certificate Of Honour In Biochemistry
- xv)** Jai Prakash Saini
1. Certificate Of Honour In Biochemistry
- xvi)** Tushar Agarwal
1. Certificate Of Honour In Biochemistry

Lamp Lighting by the dignitaries

Prof. S.C. Sharma, President AIIMS Jodhpur awarding meritorious student

Prof. S.C. Sharma, President AIIMS Jodhpur, awarding meritorious student

Director, AIIMS Jodhpur, Prof. Sanjeev Misra presenting the annual report

Cultural program by the students of AIIMS Jodhpur

Cultural program by the students of AIIMS Jodhpur

# **Medical Education at AIIMS Jodhpur**



## Medical Education at AIIMS Jodhpur

At AIIMS Jodhpur, faculty are passionate about teaching and strive hard for continuous improvement, using innovations to engage students. Following were the activities performed during the current financial year from 2019-20:

1. **UG Orientation Program (Foundation):** Based on the feedback of the students from previous batches and meetings with faculty members, we improvised the orientation program for UG. Emphasis was laid on interactive sessions rather than didactic lectures. The program for MBBS batch who joined in July 2019, was conducted for 2 weeks starting from 31<sup>st</sup> July 2019. The new elements included “Early Clinical Exposure”, and “Competency Based Education”. The first session was in Auditorium and included parents and guardian also along with students and faculty members. Student were also shown short video about functioning and life at AIIMS Jodhpur. The feedback at the end of program was encouraging and they enjoyed sessions with interaction and especially that with Clickers. .
2. **PG Orientation Program:** We have conducted PG orientation in September 2019 and in 1<sup>st</sup> week of March 2020 for batches who joined in July 2019 and January 2020 sessions respectively. Students were apprised about the teaching, training and research program as well as about innovations in our curriculum. They were also apprised about the exam pattern and thesis guidelines. Additionally, they had a session on “Residents as Teachers” which is an important part of training.
3. **Preparation for Internship (PRINT) Program:** Newly joined interns of 2015 batch were oriented to team working, professionalism, waste management, record keeping and various aspect to facilitate their working as a doctor. It is noteworthy that we initiate all these orientation right from first year and level appropriate emphasis is given during all programs to enable them function as a skilled and compassionate professional.
4. **National Conference on Pediatric Education:** AIIMS Jodhpur hosted the Annual Conference NCPE 2019 at AIIMS Jodhpur which deliberated on many issues related to education in general and pediatric education in particular
5. **Setting up of the Online Education at AIIMS Jodhpur:** In March 2020, country wide lockdown was imposed on 25<sup>th</sup> March 2020 due to COVID-19 pandemic. AIIMS Jodhpur quickly trained all faculty members for the online education and were the first to embark on online learning from 23<sup>rd</sup> March 2020 as students were sent home by 20<sup>th</sup> March due to impending pandemic. With a concerted efforts of a group of faculty members, we not only initiated the virtual class but also embarked on studying the effects of online teaching.

AIIMS Jodhpur is continuing with the previous Model of Education whereby every Saturday is devoted to innovations and carrying our UnConventional Learning Experiences (UNCLE) which includes integrated teaching and Problem Based Learning. Based on regular feedback from our students, we are continuously improving the quality of training.

We had regular Institutional meetings on Wednesdays and Fridays which include Clinical Grand Rounds, Clinico-pathological Conferences, Morbidity meets and Mortality presentations.

Our students, both UG and PGs, brought laurels to our Institute. Our Institute is also a part of Institute Innovation Council by Ministry of Human Resource Development.

AIIMS Jodhpur is the only Institute among new AIIMS and only one in Rajasthan to get listed among 25<sup>th</sup> Best Medical Institute in the country.





# **Student Welfare Activities**



## Annual Report Dean (Student Welfare)

AIIMS Jodhpur is committed to the wellbeing of students and ensure that they all get best possible opportunities for a holistic development. Along with rigorous academic training we encourage them to pursue extra-curricular activities. The following **extracurricular activities** for the students were held during the period from 01 April 2019 to 31 march 2020.

1. **Swachhta Pakhwada-2019:** competition was organized in which the students of the institution actively participated. Slogan and Poster & Essay writing Competition was held from 1<sup>st</sup> to 15<sup>th</sup> April, 2019.

The following MBBS and Nursing Students participated:

Winners of Swachhta Pakhwada Slogan and Poster Competition held on 7 <sup>th</sup> , April 2019			
Prize	Name of Students	Batch	Prize Amount
I	Ms. Kavita Suthar	Nursing Batch-2016	Rs. 2000/-
II	Ms. Harshita Awasthi	MBBS-2017	Rs. 1500/-
III	Ms. Himanshi B	MBBS-2017	Rs. 1000/-
(Consolation Prize )	Ms. Shweta Gupta	Nursing Batch-2016	Rs. 500/-
(Consolation Prize )	Ms. Samiksha Agarwal	MBBS-2017	Rs. 500/-
(Consolation Prize )	Ms. Priya	MBBS-2018	Rs. 500/-

Winners of Swachhta Pakhwada Essay Competition held on 11 <sup>th</sup> , April 2019			
Prize	Name of Students	Batch	Prize Amount
I	Ms. Annu Singhmar	Nursing Batch-2016	Rs. 2000/-
II	Ms. Udit Patni	MBBS-2016	Rs. 1500/-
III	Ms. Pooja	Nursing Batch-2016	Rs. 1000/-
(Consolation Prize )	Ms. Sanju	MBBS-2015	Rs. 500/-

2. **NGA-2019:** Medical Student Association of India (MSAI) had organized a NGA 2019 (National General Assembly) from 13<sup>th</sup> to 14<sup>th</sup> April in Chandigarh.

The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Tulika Singh	2018
2.	Rayner Cardozo	2018

3. **Stress management & positive thinking** - Yoga and meditation Club scheduled a talk on “Stress management & positive thinking” by Mr. Bubble Shetty on 30<sup>th</sup> April 2019 at AIIMS Jodhpur.
4. **Manushya Milan Sadhna Shivar** - a scheduled shivar on “**Manushya Milan Sadhna Shivar**” (Meditation) was organized from 11<sup>th</sup> May 2019 to 20<sup>th</sup> May 2019. Sun To Human Enliven Association had organized the event at Barkatullah Khan Stadium, Jodhpur. Student of the Institute participated in the event.

5. **International Day of Yoga** - a talk on the occasion of “**International Day of Yoga**” was held on 21st June 2019. **Prof. O.P.N Calla**, Director, ICRS (International Center for Radio Science) Jodhpur delivered a talk on the occasion of “**International Day of Yoga**” in AIIMS, Auditorium.
6. **ABHIVYAKTI 2019** – A platform for leadership, organized by UTTHAAN, Jodhpur and debater’s club of India on 17<sup>th</sup> to 18<sup>th</sup> August 2019 in which our students participated.

The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Harkirat Singh	2016
2.	Udita Patni	2016
3.	Yugam Sardana	2014

7. **Janmastami 2019** was celebrated on 23 Aug 2019 in the hostels at AIIMS Jodhpur. Dance-drama enactments of the life of Krishna, Dahi Handi, devotional singing through the midnight when Krishna was born, were a part of the Janmashtami celebrations.
8. **Tejas 2019-** 5<sup>th</sup> Annual sports meet was held from 29<sup>th</sup> August to 4<sup>th</sup> September 2019. All the MBBS batches and College of nursing participated in various Sports and track and field events. During the Closing ceremony, Director AIIMS Jodhpur gave away the prizes, trophies, medals to the winners.
9. **SYZGY QUIZ 2019** – Club XQuizIT, the knowledge hub of IMNU, had organized a national level open quiz event “SYZGY QUIZ” at Nirma University, Ahmedabad which was held from 7<sup>th</sup> to 8<sup>th</sup> September 2019.

The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Mrigank Sharma	2016
2.	Prakhar Goyal	2016

10. **Hindi Diwas-** was celebrated on 14 Sept 2019 at AIIMS Jodhpur. It comprised of various literary activities in Hindi such as poetry, essay, creative writing, Spell Bee and debate.
11. **Annual Day-** 7<sup>th</sup> Annual day function of AIIMS, Jodhpur was celebrated on 15<sup>th</sup> September 2019.
12. **Farewell function-** Farewell for MBBS Batch 2014 was celebrated by MBBS Batch-2015 on 28<sup>th</sup> September, 2018. The function comprised of a musical evening and memento distribution for all seniors in the college Auditorium.
13. **Peer Mentors Workshop-** Peer Mentor Workshop was held on 30<sup>th</sup> September 2019 in multipurpose hall of college building. Approximately 40 students and five faculties have attended.
14. **Fresher’s day-** “Freshers’ Day” for MBBS batch- 2019 was held on 1<sup>st</sup> Oct in the College Auditorium. The event involved participation and performances of fresher students individually and in groups. Also Mr. and Miss fresher were selected by a panel of judges comprising of faculties chosen by the senior batch. All this was followed by feast and DJ night for the students.

15. **Birth Anniversary of Mahatma Gandhi** – On the 150<sup>th</sup> Birth anniversary of Father of the Nation Mahatma Ghandhi, AIIMS Jodhpur organized a marathon on 2<sup>nd</sup> October 2019. Outsourced employees, Students (Including UG, PG, DM/MCh, MD/M, Nursing, Interns, Senior Residents) Faculty and Officers (Including Engineering Office and Nursing Officers) Kids were invited for participation. Cash prizes were given to the first, second and third placed runners in each categories. Exclusive T-shirt was distributed to the participants.
16. **Garba Nights** - Garba Night Celebrations was held on 06 October and 07 October 2019 at sports ground, AIIMS, Jodhpur.
17. **ARMSCON-2019** - “ARMSCON-2019” India’s Highest Rewarding 3-day National Level CME Conference was held in Pt. B.D. PGIMS, Rhotak (Haryana) from 11th to 13th Oct, 2019.  
The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Rayner Peyser Cardoso	2016
2.	Saurav Kumar	2016
3.	Sidhanshu Sethia	20
4.	Prince Kaushik	20
5.	Rahul Rattan	20
6.	Akhilesh Kumar	20
7.	Pulkit Gupta	20
8.	Nameet Jain	20
9.	Gautam Ram Rathore	20

18. **LitElixir-2019**- Literary fest LitElixir-2019 was held from 9th to 10th November 2019 at AIIMS, Jodhpur. The fest included various formal & informal events like Debate (Prelims), Creative writing, Quiz, Impulse Writing & Spell Bee, Dumb Charades and Pictionary Debate (finals). Prizes to the winners were given out.
19. **Smile-o-thon 2019** – To celebrate journey of 20 years in India, Smile Train Jodhpur and Rotary Club of Jodhpur Midtown planned a walk of 5 kilometers “Smile-o-thon” to showcase concepts, ideas, and innovation for different causes that if worked on can make Jodhpur city a dream city and bring a smile on the faces of its citizens. Many Participants from AIIMS, Jodhpur and Various schools, colleges, institutions, NGO’s, business participating teams had taken part in this event.
20. **NCIASP 2019** - 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry was held from 29<sup>th</sup> November to 1<sup>st</sup> December 2019 at Bhubaneswar, Orissa. The theme of the conference was “Social Psychiatry in Digital Age”.  
The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Harkirat Singh	2016
2.	Sarthak Khandelwal	2016

21. **Personality Development course** - Mrs. Ritu Garg eminent Psychologist had conducted "Personality Development Course" for 1st year MBBS & Nursing Students from 16th December to 20th December 2019.
22. **Christmas Celebration** - was celebrated on 17<sup>th</sup> December 2019 in Mess hall 4 organized by the students themselves.
23. **Lohri**- Festival of Lohri was celebrated on 13<sup>th</sup> January 2020 at AIIMS Jodhpur in the ground beside Boys Hostel.
24. **The Saraswati Pooja** -was organized on 30 January 2020 at AIIMS-Jodhpur on the occasion of Basant Panchami to worship Goddess Saraswati, the symbol of knowledge and wisdom. The students participated in morning pooja followed by a lunch in the student mess. In the evening, students gathered for a cultural musical evening in the college Auditorium where volunteer participation were encouraged. It's a much awaited event in which students participates enthusiastically.
25. **Cyber Security Seminar** - A seminar on Cyber Security was scheduled on 11 February, 2020 in College Auditorium. Seminar included some selective agenda points for currently facing situation: -
- Deconstructing the Threat Landscape (2020)
  - What can a hacker do in 3 hours?
  - Introducing Solutions
  - Future Approach (Upcoming Technologies)
26. **Cybercrime and Cyber Harassment seminar** - A seminar on Cybercrime and Cyber Harassment by Dainik Bhaskar in association with Police Commissionerate of Jodhpur for Doctors, Residents, Medical and Nursing Students was held on 19 February 2020 College Auditorium AIIMS, Jodhpur.
27. **SILHOUETTES-2020** - Annual cultural, sports and literary fest organized by Armed Forces Medical College(AFMC), Pune had taken place during 19<sup>th</sup> - 22<sup>nd</sup> February, 2020. MBBS Students who participated in "SILHOUETTES-2020" at AFMC, Pune were 33 Boys & 05 Girls (28 Boys & 05 Girls from Batch -2017 and 05 Boys from Batch -2018) (Details of students attached as Annexure - A).
28. **TATA CRUCIBLE CAMPUS QUIZ – 2020** - 'Tata Crucible - The Business Quiz' seeks to bring together sharpest young minds in India to take on the heat of the toughest business quiz in India. The quiz was held in CMRIT, Hyderabad on 22<sup>nd</sup> February 2020.  
The following MBBS Students participated:

S.NO	BATCH	NAMES	POSITION
1	2017	Sahil Ahmed	Winner
2	2017	Jagriti Jha	Winner
3	2015	Srijan Sinha	Runners Up
4	2015	Anshul Sharma	Runners Up
5	2016	Mrigank Sharma	3 <sup>RD</sup> Position
6	2016	Prakhar Goyal	3 <sup>RD</sup> Position

All the Prizes were won by AIIMS, Jodhpur.

29. **BLOOD DONATION DRIVE**- As a part of social responsibility task, a voluntary blood donation drive was planned and held by the students from 24<sup>th</sup> to 26<sup>th</sup> February 2020. The same was promoted in our campus, encouraging our students to donate.

30. **AURA 2020-** AIIMS, Jodhpur hosted students from Rajasthan and all over the country from 29<sup>th</sup> February – 3<sup>rd</sup> March 2020. The students competed in a multitude of activities ranging from the literary to the artistic and sports, as a part of the festival events and attended the celebrity nights. More than 2000 students from 30 colleges from all over India attended the festival. The main feature / attraction of the fest was as under:

S.No.	Name of event	Dates
1.	The opening ceremony was with a classical dance performance under arrangement by “ <b>Spic Macay</b> ”	28 <sup>th</sup> February 2020
2.	“ <b>SHAYARI NIGHTS</b> ” and <b>Battle of Bands</b>	29 <sup>th</sup> February 2020
3.	“ <b>BOLLYWOOD NIGHTS</b> ” by Singer <b>K.K.</b> ( Krishnakumar Kunnath)	1 <sup>st</sup> March 2020
4.	Concert square followed by the band “ <b>UNDERGROUND AUTHORITY</b> ” from Kolkata	2 <sup>nd</sup> March 2020
5.	<b>EDM Nights</b> by “ <b>DUAL VIBES</b> ”	3 <sup>rd</sup> March 2020

31. **Holi Celebration**—A pre-Holi celebration was organized by students on 6<sup>th</sup> March 2020 at AIIMS Jodhpur.

### 32. **Mentorship program**

As a new entrant to the professional courses (MBBS and B.Sc. Nursing) at the AIIMS Jodhpur student have a unique opportunity to be mentored by a faculty member and a senior medical student.

We have started and successfully conducted the mentorship program for all the batches since our 1<sup>st</sup> MBBS batch in 2012. Presently we have ‘Formal mentorship program’ for 1<sup>st</sup> and 2<sup>nd</sup> year MBBS students (1<sup>st</sup> to 4<sup>th</sup> semester), in which each student has been assigned a faculty mentor and each faculty has been assigned 3-4 students, and they are advised to have at least one mentorship meeting in a fortnight. From 5<sup>th</sup> semester onward they become part of ‘Open mentorship program’, in which whenever they need they can go to any faculty or they can contact coordinator mentorship program at their convenience. All the students and faculty are part of this vibrant program. We have received good feedback from students, faculty mentors, college administration and students’ parents. It has substantially benefitted students, faculty and institution.

We have also started peer mentorship program along with existing faculty mentoring for 1<sup>st</sup> and 2<sup>nd</sup> year students. Near-Peer mentors are undergraduate students in their 5<sup>th</sup> to 9<sup>th</sup> semesters, who have volunteered for mentoring their junior colleagues. They are our most valuable resource and eminently suited to be mentors because they still recall the difficulties they faced as new students and their assistance can make college life easier and more enjoyable for new entrants.

We have also designed guidelines for mentees and mentors. For better coordination, smooth functioning and liaison, we are regularly having meetings with faculty and peer mentors and seeking feedback from mentees.

### 33. **Students counseling services**

Faculty of Psychiatry department is providing counseling to our students for their emotional, academic and other psychological problems. We also have a Student Counselor for baseline assessment of students’ personality along with ongoing interaction, personality development and counseling services. We also organize ‘Personality development program’ for our students and receive their regular feedback for better coordination, services and harmony.

The institute and administration understands its responsibility of creating an environment well equipped with a mechanism beneficial for betterment and sustainable development of students and is constantly working for it.

The List of MBBS Students participated in "SILHOUETTES-2020" at AFMC, Pune

S.NO	BATCH	NAMES	ACTIVITY PARTICIPATING
1	2017	ARPIT MANDHAN	CRICKET,FOOTBALL,SINGING
2	2017	MAYANK SONI	LAWN TENNIS,VOLLEYBALL
3	2017	VILASH RAJ SINGH	BASKETBALL {CAPTAIN},ATHLETICS
4	2017	MODH. JEEL JATIN KUMAR	TABLE TENNIS,NIGHT SOCCER,LAWN TENNIS
5	2017	BHARTI NAGAR	CRICKET,SOLO DANCE
6	2017	RITIK BHAKAL	CRICKET,BASKETBALL
7	2017	ASHISH KUMAR ARYA	FOOTBALL, ARTS AND CRAFTS
8	2017	SUNIL BISHNOI	CHESS,FOOTBALL
9	2017	ASMIT MEENA	FOOTBALL,NIGHT SOCCER
10	2017	MANMOHAN MEENA	VOLLEYBALL,BASKETBALL
11	2017	ANIL DELU	BADMINTON,CRICKET
12	2017	ATUL KUMAR	FOOTBALL,NIGHT SOCCER
13	2017	RAVI BHUTRA	BASKETBALL
14	2017	DIPESH MITTAL	FOOTBALL,BADMINTON
15	2017	DIVYANSH GUPTA	TT,SWIMMING
16	2017	RAMAVATAR GURAWA	FOOTBALL
17	2017	NISHANT CHAUDHARY	FOOTBALL,TT
18	2017	ANKUSH PARASHAR	ATHLETICS
19	2017	TEJAS PRATAP	BADMINTON,VOLLEYBALL
20	2017	PRIYANKA KHARRA	LAWN TENNIS,ARTS AND CRAFTS
21	2017	SHREYA ROY	CRICKET,ARTS AND CRAFTS
22	2017	ANUJ AGNIHOTRI	VOLLEYBALL,CRICKET
23	2017	APOORV CHALKA	FOOTBALL,BASKETBALL,SINGING
24	2017	ISHWAR BHATI	CRICKET {CAPTAIN},ATHLETICS
25	2017	MANOJ KUMAR	FOOTBALL{CAPTAIN},NIGHT SOCCER(CAPTAIN)
26	2017	SHAILESH KUMAR	TT ,LAWN TENNIS,ATHLETICS
27	2017	ANAMIKA CHANDRA	TT,CARROM,ARTS AND CRAFTS
28	2017	DIVYANSH SHARMA	TABLE TENNIS
29	2017	NARENDER CHOUDHARY	FOOTBALL,NIGHT SOCCER
30	2017	RAUSHAN KUMAR	BADMINTON
31	2017	RAJSHREE YADAV	CARROM,ARTS AND CRAFTS
32	2017	PRADHUMN GARG	VOLLEYBALL
33	2017	ARYAN DEOL	CARROM
34	2018	VISHAL RAJ SINGH	BASKETBALL,VOLLEYBALL
35	2018	KUSHAGRA SHEKHAR VERMA	CRICKET,FOOTBALL,NUKKAD,CARROM
36	2018	DEVANSH SHARMA	ATHLETICS
37	2018	PRASHANT SWAMI	BASKETBALL
38	2018	SAWAN VATS	FOOTBALL



## Anti-Ragging Committee

AIIMS, Jodhpur constituted an Anti-Ragging Committee as per Supreme Court Guidelines.

The following were the members of the Committee:

- |       |                                 |   |
|-------|---------------------------------|---|
| i)    | Prof. Abhay Elhence             | – Chairperson                                     |
| ii)   | Prof. Deepak Kumar Jha          | – Member  |
| iii)  | Prof. Naveen Sharma             | – Member  |
| iv)   | Prof. Raj Rani                  | – Member  |
| v)    | Dr. Pushpinder Khera            | – Member  |
| vi)   | Dr. Archana Bajpayee            | – Member  |
| vii)  | Dr. Aasma Nalwa                 | – Member  |
| viii) | Representative of Local media   | – Mr. Praveen Dhingra, Dainik Bhaskar             |
| ix)   | Representative of Civil Society | – Dr. (Mrs.) Vandana Mathur and Ms. Shilpa Mridul |
| x)    | Representative of State Police  | – Mr. Kamal Singh ACP                             |
| xi)   | Legal advisor:                  | – Ms. Vandana Bhansali                            |

### MBBS Students:

- Batch 2014: Vikash Kumar, Vandana Kapoor  
 Batch 2015: Monish Gupta, Sanjoli Agarwal  
 Batch 2016: Abhinandan Kumar, Sanjoli Gupta  
 Batch 2017: Adarsh Kumar, Himanshi Bhati  
 Batch 2018: Mudit S Lawaniya, Mithali Malav

### Nursing students:

- Batch 2015: Krishna Chhangani, Jyoti Nanda  
 Batch 2016: Annu, Shweta Gupta  
 Batch 2017: Kanta, Deepika K  
 Batch 2018: Neelam Choudhary, Vandana

AIIMS, Jodhpur observes Zero Tolerance for Ragging and strict measures are in place to prevent Ragging. The Committee members take regular rounds and ensure that the interaction of Senior and Junior students is under cordial environment.



# Hostels



## Boys' Hostel

**Provost** : Dr. Puneet Setia  
**Assistant Provosts** : Dr. Ramkaran Chaudhary  
 : Dr. Ashish Kumar Nayyar

Boys-Hostel for undergraduate MBBS Students consisting of 250 single occupancy rooms is situated in the AIIMS residential complex. It is located adjacent to the mess complex, sports and recreational area. All rooms are single seated and fully furnished with inbuilt almirah, storable bed, reading table and chair along with stool and electric fittings like ceiling fan and lights. Every floor has total of eight bathrooms, eight toilets (two each corner of corridor), with facility of electric geyser for hot water and water cooler with inbuilt purifier. CCTVs have been installed on ground, first and second third floors of the hostel.

Visitor room for visitors to meet resident boys is available in UG Boys hostel ground floor.

Hostel has Reading Rooms cum Library and TV Room for the students on first floor.

Emergency drugs are First AID kits are available in hostel office for students.

### No.of students residing in boy's hostel:

MBBS ( Batch 2017) – 67  
 MBBS ( Batch 2018) – 74  
 MBBS ( Batch 2019) – 81

### Supervisory arrangement:

UG boys Hostel Committee supervises the functioning of the hostel. The hostel Committee consists of Provost and two Assistant Provosts Two caretakers (Warden) & security personnel are on duty round the clock. They have regular interactions with the students and solve their problems as and when they arise.

### Mess arrangement:

Mess facilities are provided for UG Boys in central common mess area.

## Girls' hostel

**Provost** : Dr. Vijay Lakshmi Nag  
**Assistant Provosts** : Dr. Renu Gupta  
 : Dr. Om Lata Bhagat  
 : Mrs. Mamta  
 : Mrs. Vandna Pandey

### About the Hostel

The Girl's Hostel of AIIMS, Jodhpur has entered 8<sup>th</sup> year of its inception. The Undergraduate Hostel for female students is having two wings, Medical wing and Nursing Wing. Hostel constituting of 200 single seated rooms for MBBS girls, 4 common rooms, 1 warden room in medical wing of hostel; and 125 rooms for nursing girls, 4 common rooms and 1 warden room in nursing wing.

Two floors for PG hostel is situated in AIIMS residential complex. Girl's & PG hostels are located at walkable distance from the mess complex, sports and recreational area. All rooms are single seated and fully furnished with inbuilt storage cabinet, storable bed, study table and chair, side table and electric fittings like ceiling fan and lights. In MBBS wing as well as in PG hostel all rooms are with attached toilet facility, whereas, in nursing wing each floor has total of eight bathrooms, and toilets (two on each corner). Hostel has facility of electric geyser for hot water and water cooler with inbuilt purifier for drinking water. Visitor room for ease of family members to meet residents of hostel is available at ground floor of UG hostel. Hostel has facility of Reading rooms with library of more than 150 books and two television rooms for the students. One sick room is located at ground floor of Nursing wing of Girls' hostel. Emergency medicines and first aid kits are available in hostel office with caretakers (wardens).

### Medical wing

Ground floor	-	33 rooms+ 1 warden room
First floor	-	33 rooms + 1 common room
Second floor	-	33 rooms + 1 common room
Third floor	-	33 rooms+ 1 common room
Fourth floor	-	33 rooms+1 common room
Fifth floor	-	35 rooms

### Nursing Wing

Ground floor	-	25 rooms + 1 warden room
First floor	-	25 rooms + 1 common room
Second floor	-	25 rooms + 1 common room
Third floor	-	25 rooms+ 1 common room
Fourth floor	-	25 rooms+1 common room

### Student data

No. of students residing in PG hostel section of girls hostel: Total-48

MBBS 2015 batch	-	23 students
MBBS 2016 batch	-	23 students
M.Sc.Physiology	-	02 students

No. of students residing in Medical Wing of girls hostel: Total –71

MBBS 2017 batch	-	28 students
MBBS 2018 batch	-	24 students
MBBS 2019 batch	-	19 students

No. of students residing in Nursing Wing of girls hostel: Total- 214

B.Sc. (Hons.) Nursing 2016 batch	-	49 students
B.Sc. (Hons.) Nursing 2017 batch	-	56 students
B.Sc. (Hons.) Nursing 2018 batch	-	57 students
B.Sc. (Hons.) Nursing 2019 batch	-	52 students

### Infrastructural Development

During session 2019-2020, some infrastructural changes were done in the hostel. The rooms were renovated by merging two/three single rooms into one. All rooms of Girl's hostel including PG Hostel rooms have been installed with protective devices in ceiling fan. Garden in every block of the hostel adds to its ambience. The hostel corridors are beautified with various flowerpots kept at different places. As a security concern, work of fencing all around the hostel has been initiated and in progress.

### Information & Entertainment

For updating the knowledge of students, Newspapers (both English and Hindi) are being procured. Two Television are also there in hostel with all channels of student choice, which help students to relax.

### Supervisory Arrangement:

Hostel committee for girl's hostel supervises the functioning of the hostel. The hostel committee consists of Provost and 4 assistant provosts. Caretaker (Wardens) and lady security personnel are on duty round the clock. They are available to student for solving their problem as they arise; and Provost and assistant provosts take regular rounds of the hostel to facilitate the smooth running of the hostel. A complaint /suggestion box is also installed in girl's hostel to get the feedback and solve the problems of students.

### Mess Arrangement:

Mess facility is provided for UG girls in central common mess area.

## Residents' Hostel

<b>Provost</b>	<b>: Dr. Arvind Sinha</b>
<b>Assistant Provosts</b>	<b>: Dr. Abhay Elhence</b>
	<b>: Dr. Shashank Shekhar</b>

**Capacity:** Resident Hostel has two block and each of them are six storey high. There are total 386 rooms in resident hostel. Out of 386 rooms 20 are two room suites for married residents and rest are single occupancy rooms.

All rooms are fully furnished with built in steel almirah, single bed with under-storage, a reading table and chair, room table and a small chest. Each room has attached washroom and a balcony. Each floor has a common room, common washroom and a water cooler for dispensation of safe and cold water for the inmates.

Presently MBBS students (180), Post Graduate students and Senior Residents are residing in the Resident Hostel. They are provided round the clock water and electricity supply. There are wardens on round the clock duty to look after the affairs of the hostel and its inmates. There are security guards maintaining security for the residents.

## General Pool Residential Complex, Pali Road, AIIMS Jodhpur Hostel Complex

<b>Boy's Hostel Provost</b>	<b>: Dr Naveen Sharma</b>
<b>Girl's Hostel Provost</b>	<b>: Dr Archana Bajpayee</b>
<b>Boy's Hostel Assitant Provost</b>	<b>: Dr Raghvendra Singh Shekhawat</b>
<b>Girl's Hostel Assitant Provost</b>	<b>: Dr Shailja Sharma</b>
<b>Girls's Hostel Assitant Provost</b>	<b>: Dr Gomathi Arumugam</b>
<b>Girls's Hostel Assitant Provost</b>	<b>: Dr Ramiya Mohan</b>
<b>Nodal Officer</b>	<b>: Mr Tulsi Ram</b>

**Capacity:** The hostel complex situated at the General Pool Residential Accommodation at Pali Road provides accommodation facility to Post Graduate students pursuing their courses like MSc, PhD, MPH, and MD/MS degrees at AIIMS, Jodhpur. The Central Public Works Department (Government of India) maintains the whole campus. The complex has a lush green landscape and gardens with facilities for games and workouts. The complex acquired by AIIMS Jodhpur consists of four buildings consisting of 65 type one quarters. The facility includes two dedicated quarters which are being utilized as guest house meant for the authorized visitors.

All quarters are fully furnished with built-in steel almirah, single bed with under-storage, a reading table and chair, room table and a small chest. Each quarter has an attached washroom and a balcony. Water coolers are installed at appropriate places for dispensation of safe and cold water for the inmates. The hostel complex has a round the clock canteen facility. Also, there is a provision of recreational facilities and an open basketball court.

Presently 86 (69 girls and 17 boys) MSc, PhD, MPH, and MD/MS students and Senior Residents are residing in the Hostel Complex. They are provided round the clock water and electricity supply. There are four caretakers on round the clock duty to look after the affairs of the hostel and its inmates. There are security guards maintaining security for the residents.



# Central Facilities



## Central Facilities

### Central Library

The Central Library at the Institute houses various books on medical and nursing subjects along with a range of books of Hindi and English literature to cater to the extracurricular reading habits of the students, staff and Faculty. Dedicated computer terminals for the use of Faculty and students are available. The Library is Wi-Fi enabled. Collection of more than 3,390 medical text books and reference books of various specialties and about 500 books on Nursing are currently available. More than 1,136 online journals have been subscribed to by the library including 243 e-journals from the ERMED consortium (from NML, New Delhi), e-journals from Clinical Key complete database and BMJ Complete E-Resources Package and ASCO Digital Library journals. Subscription to 'UpToDate', which is an evidence based clinical decision support resource, was started in March 2017 and is continuing to support the clinicians and students in their endeavor to be au courant with the latest knowledge and offer best possible treatment to the patients. Lippincott Advisor & Lippincott Procedures was subscribed to in 2018. About 400 diverse texts comprising of an eclectic mix of English and Hindi books and novels for general reading are available. Several national and regional newspapers and periodicals of general interest are also available. The library has a separate wing for e-library with 31 workstations wherein different subjects are taught using simulation and software modules. The Library provides reprography service. CCTV cameras have been installed in the Library to provide a secure reading environment. From time to time, the Central library actively organizes user orientation and awareness cum training programs for the Faculty and students. Several webinars by different organizations during Covid-19 helped the Central Library to cater to the academic needs of one and all.

### Central Mess Services

A Central Mess facility is functioning in the vicinity of the hostel and is comprised of 5 dining halls which provides food of mixed culture and has a seating capacity of about 500 persons. The Mess caters to all MBBS, Nursing students including PGs & SRs also staffs and provides clean and hygienic food. A Mess Committee, comprising of 13 faculty members and 10 Student representatives is functioning to look after the day-to-day functioning and mess related issues including daily menu, hygiene and quality of food.

A 24-hour canteen is also functioning to provide a different milieu to the students and to help them during examination time.



Meal Time in the hostel mess



Meal Time in the hostel mess

## Sports facilities:

### Outdoor sports

The Institute has a large size ground for athletics, field hockey, cricket and football. The ground has a covered spectator seating arena as well. The latter has the capacity to comfortably accommodate around 300 spectators at a time. A practice cricket net area has also been developed. A one of its kind calisthenics facility is also available in the outdoor arena for various body weight exercises.

The entire outdoor area has underground sprinkler facilities, excellent ground drainage and high mast flood lights. An outdoor basketball court, a cemented lawn tennis court and two indoor badminton courts are also part of the facility. A play area comprising child friendly swings is present in the residential premises. These facilities are being regularly used by the students, faculty and staff of the Institute.

Synthetic courts for tennis, volleyball, rink hockey/skating and basketball are being constructed and are likely to be available for use by year end. The finishing of these courts would be at par with the standards for conducting national tournaments.

High quality gymnasium equipment is being installed in the newly constructed gym and would be functional by October end.

### Indoor sports

Facilities are present for table tennis, chess and carom as indoor sports.

All equipments and sports items are provided to the students by the Institute.

Exhibition football match between AIIMS and Railways Employees

Flood lit sports field

Flood lit sports field

Calisthenics facilities being used by students



Calisthenics work out area

## Social Outreach Cell

### About the Social Outreach Cell

Social Outreach Cell at All India Institute of Medical Sciences was constituted on 25th July 2019 for improving and extending the reach such as health education, case management, basic health screening, and facilitating access to services. These activities directly and indirectly improve health outcomes of individuals and communities

Following are the members of Social Outreach Cell:

S.No.	Name	Department	Social Outreach Cell
1	Prof. M.K. Garg	General Medicine	Convener
2	Prof. Raj Rani	College of Nursing	Member
3	Mr N.R. Bishnoi	Dy. Director (Admin.)	Member
4	Dr Jagdish Goel	Pediatrics	Member
5	Dr Dharmveer Yadav	Biochemistry	Member
6	Dr Ramkaran Chaudhary	General Surgery	Member
7	Dr Deepak Kumar	General Medicine	Member
8	Dr Manoj Kumar Gupta	Community Medicine & Family Medicine	Member
9	Dr Pankaj Bhardwaj	Community Medicine & Family Medicine, Coordinator, School of Public Health	Coordinator

From time to time, the Social Outreach Cell receives requests from schools, government organizations as well as NGOs etc. for organizing health outreach camps for disease screening as well as health awareness. The Cell coordinate between different departments for organizing these outreach activities.

Any proposal for an outreach activity received by any specialty/ department is routed through this cell to the Director, AIIMS, Jodhpur. The cell maintains all records of such activities and takes necessary permissions for conducting these outreach camps.

Social outreach activities under AIIMS Jodhpur are conducted either as an activity initiated from the individual departments or as a request received from different organizations outside AIIMS, which are intending to organize screening, diagnostics, treatment or any related health activity (Awareness & health Promotion) in collaboration with AIIMS Jodhpur. All such activities are communicated via e-mail/ hard copy to Social Outreach Cell. The prescribed proforma- A, is available on the Institution website. Any other department from AIIMS Jodhpur receiving such request forward the request to Social Outreach Cell, in the prescribed proforma-B.

Following activities have been conducted by Social Outreach Cell from 1 April 2019 – 31 March 2020.

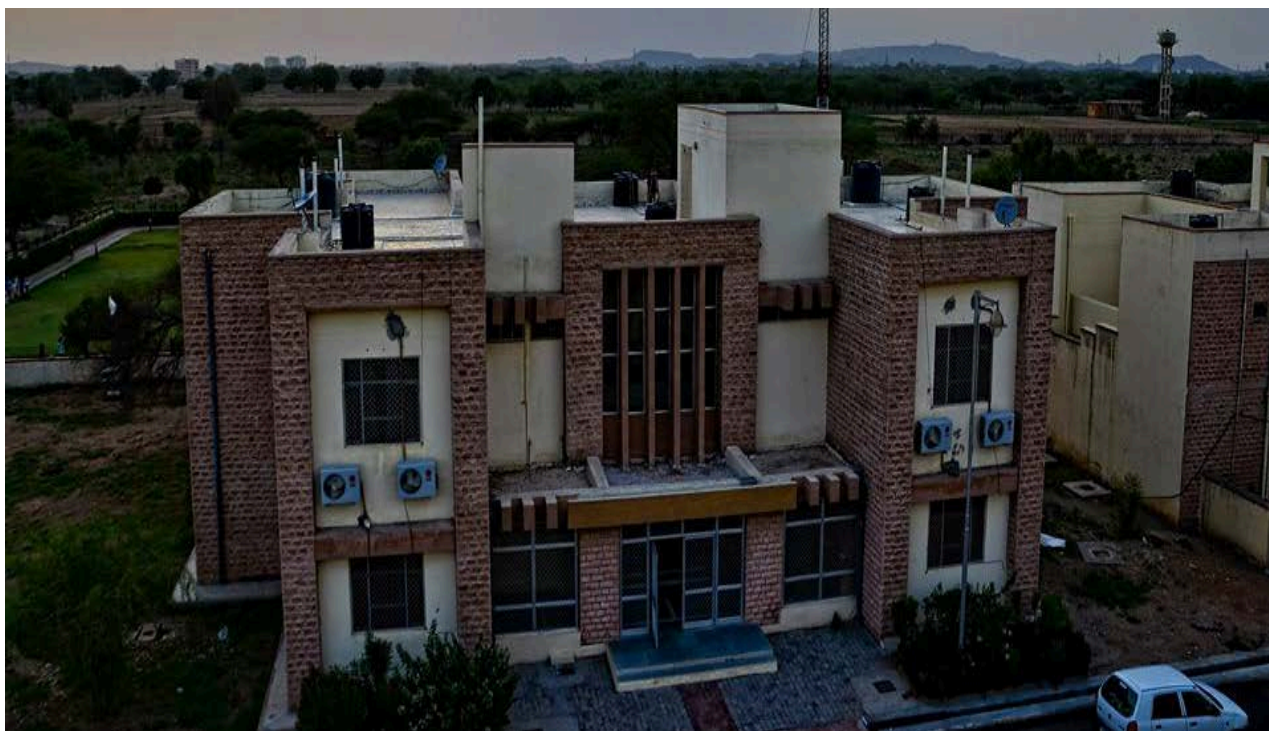
SN	Date	Place	Activity	Specialty	Beneficiaries
1	30/08/2019	Sanskar International School Jodhpur	Eye & General Health Checkup camp	Ophthalmology, Dental, Pediatrics & School of Public health	Aprox. 200 children
2	06/9/2019	Eye bank society of Rajasthan, Jodhpur Chapter	Awareness program for Eye donation	Ophthalmology	300
3	13/9/2019	Pramod Metal, MIA, Phase II, Basni, Jodhpur	Oral precancer & Cancer awareness & Examination	Dentistry	70-80



SN	Date	Place	Activity	Specialty	Beneficiaries
4	1/10/2019	Aastha Old Age Home, Jodhpur	Celebration of World Geriatric Day	College of Nursing, AIIMS, Jodhpur	65-70
5	10/10/2019	Auditorium, AIIMS, JODHPUR	World Sight day celebration Collaboration with PCB Charitable Trust & Blindness Control Society Govt. of Raj.	Ophthalmology	500
6	10/10/2019 to 25/10/2020	OPD Block Surgery & LT-1	Breast Cancer Awareness	General Surgery	Local Population of Jodhpur & AIIMS staff
7	15/10/2019	Rajasthan High Court Jodhpur	Health Awareness Program for lawyer fraternity	Community Medicine & Family Medicine	50
8	19/10/2019	Adarsh Vidhya Mandir Shastrinagar, Jodhpur	Discussion on adolescent health of Girls	AYUSH with Community Medicine & Family Medicine	Approx. 250 Girls
9	16/10/2019-18/10/2019	Bhawani Adrash Vidhya Mandir, Kheme Ka kua, Jodhpur	Ear Checkup Camp	ENT & School of Public Health	200-235 Children
10	29/11/2019	Jal Bhagirathi Foundation, Bijolai	Health Check Up Camp	Obstetrics & Gynecology and School of Public Health	100-110 Peoples
11	02/12/2019	Nari Niketan, Mandore Jodhpur	Health Check Up Camp	Obstetrics & Gynecology, Pediatrics & School of Public Health	60-70
12	15/12/2019	Sirdana, Near Rohat Dist. Pali	Public Awareness Camp about "Minimizing risk factors for vascular diseases."	Radiology, Medicine and CTVS	100-120 Local persons
13	24/1/2020	AIIMS, OPD Block	Public awareness programme & Signature Campaign on National Girl Child Day, Play video on AIIMS OPD tv screens	M.S. office & School of Public health	AIIMS Staff & local people
14	04/02/2020	Keru	World Cancer Day - aware the people about cancer	School of Public Health	30-40
15	08/02/2020	R.K. Public School, Siwanchi Gate Jodhpur	Health Check Up Camp for School children	Dentistry & Ophthalmology & School of Public Health	120-140

## Guest House

For visitors, a fully furnished wifi enabled guest house has been established in the residential complex. It has thirteen air-conditioned comfortable rooms with digital lockers, double beds and television. Kitchen facility is available in the guest house complex with a central dining room. The kitchen provides good wholesome food to the guests.



View of the Guest House

## Information Technology Cell

AIIMS Jodhpur takes pride in stating that it has a very robust Information Technology (IT) infrastructure for patient management, teaching and research purposes.

### The IT Infrastructure

The IT infrastructure of the Institute provides state of art hardware equipment, software and internet connectivity. Local Area Networking (LAN) network is installed using fibre optics, copper wires and Wi-Fi routers. The high speed internet connectivity is provided by the National Knowledge Network (NKN) with additional cyber security ensured through latest firewalls and network security services. The Institute has latest desktops using latest Intel microprocessors, laptops, printers, scanners, bar code scanners, Kiosks etc.

### Information and Communication Technology (ICT)

Use of Information and Communication Technology (ICT) in health can be broadly in four areas viz. Education, Research, Referral, and Management of Data.

#### Health and Education:

When ICT is applied to medical education, it is possible to make high quality education available pan India seamlessly.

**Hospital Management System:**

It is common experience that work places in the health systems are not adequately governed especially in remote areas. The management of medical colleges and district hospitals can be strengthened significantly with the application of Hospital Management System.

**Health Research:**

ICT can potentially transform the medical scene in India, by bringing about a sea-change in medical research. From traditional clinical research to the modern synthetic biology-based research, the opportunity is immense. Work on problems such as Cancer prevention, screening, diagnosis, and therapy can benefit from inter disciplinary cooperation. Medical fraternity has availed such benefits when MRI and Nuclear Imaging was integrated into medicine a few decades ago.

**Health and Management of Data:**

Electronic Medical Records (EMR) is a fundamental pre-requisite in using ICT seamlessly in healthcare. While EMR is available in several forms, size, shape, and format, the Indian medical community with a specific mandate should standardize EMR, create and establish ICT platforms for using EMR based systems, for universal benefits.

**The Computerised Patient Management System**

The vision of Digital India is included in our endeavours to achieve a paperless hospital management and Date Storage system. The CPMS was Inaugurated by Shri. Jagat Prakash Nadda, Honorable Minister of Health and Family welfare, Government of India on 6th June 2015.

IT services include Computerised Patient Management System (CPMS), which is a single window integrated software for managing all patient related activities of the Institute. The salient features of CPMS are as follows - online patient registration, out patient management, admissions and in patient management, investigation ordering and retrieval of reports, patient referral, personnel management, store distribution, equipment management, blood bank, medico legal aspects, health statistics, family planning reproductive health and maternal and child health activities. In addition, the system also caters to ancillary hospital services such as ambulance administration, Central Sterile Services Department (CSSD), Biomedical Waste Management (BMW), operation theatre services, ICU and Wards peripheral centers of the institution (rural and urban healthcare centers etc.) can also be accessed from the same software. It includes a real time monitoring of patient movement, inter-hospital transfer of all patients and their hospital information, as required.

All Out Patient Department (OPD) activity, Patient Registration- one time, bar coded, Consultation, Prescription, Investigation, Vaccination, Drugs, Injection, Physiotherapy etc. all are done online.

All Inpatient activity Admission, Patient record, medical treatment, surgical treatment and procedures, Investigation, Medicolegal and Police Formalities, Discharge, Death Certificates, Scheduling for OT, Allotment / Reservation of hospital beds and patient referral, all are done online.

**Pharmacy and stores**

We have an online procurement and distribution system of drugs and pharmacy without the need to maintain registers at every point. The automatic debit of indent from pharmacy stock can be generated in any, OPD, ward, theatres. Facilities like stock keeping, online tracking of pharmacy sticks with warning on low levels and expiry date tracking are available.

All hospital equipment from bedpans to Lasers are subjected to one time online data entry and can be subsequently tracked anywhere in the hospital after that..

Linen and laundry stores - tracking of all linen with one time data entry, issue, condemnations, and repairs all are tracked online.

The system tracks each cash deposit of any kind and cash exit from the hospital at all cash counters. It keeps track of refunds and generates a detailed daily cash record.

Biomedical waste generation, its transport and disposal are tracked from each collection site to the incineration site, with warning if a bag is missed. The total amount of waste generated in any hospital system is recorded category (as per safety guidelines) for monitoring purpose.

Blood Bank Management is completely online from blood donation, its storage and the issue of blood bank and all steps are monitored.

Hospital kitchen, all dietary prescriptions and tracking is done online. Diets can be prescribed only to bona-fide patient. Therefore, misuse is avoided.

All health statistics currently being collected by the department of health and family welfare such as admission, morality, infant mortality, vaccination, family planning procedures etc. are catered to by the CPMS. All works and records related to maternal and child health services can be done online and all records can be retrieved intently.

### **Electronic Library (E-Library)**

Apart from patient management services, the IT Cell at AIIMS Jodhpur also caters for many other services including E-library, i.e. via. E-Library E-journals can be accessed through institutional VPN Connection across the globe by our faculty and residents.

### **Video Conferencing**

The Video conferencing room at AIIMS Jodhpur has the ability to perform 3 conferences simultaneously. Not only do we publicize our Public Lectures live on YouTube, OT Procedures can also be broadcasted in real-time to the lecture theatres, if needed for teaching purposes. The institute has created an in-house robust user interface for its website and Recruitment portal.

### **Miscellaneous**

IT cell is providing Wireless Lan (Wi-Fi) services across the Teaching Block and Hospital area at AIIMS Jodhpur. Eduroam is a global service that enables students, researchers and staff to obtain Internet connectivity across campus and when visiting other participating institutions by simply opening their laptop or activating their smartphone or other portable device through Wi-Fi. This facility enables users visiting other Eduroam enabled institutions globally to get authenticated and connected to the visiting institutions network using their home institution ID and password for free internet access. Also the Institute can provide direct VPN work from home facility for limited staff on emergency requests.

AIIMS Jodhpur has also started a dedicated SMS portal for all the patients who require a follow up visit. An sms reminder for the same is sent automatically, 48 hours prior to their scheduled follow-up visit. The service was started this year and we have already sent around 100000 messages to the patients concerned.

## Women's Cell

Women's grievance & Redressal Cell':

### Members include:

S. No.	Name	Post
1	Dr. Pratibha Singh	Chairperson
2	Dr. Shilpi Gupta Dixit	Member
3	Dr. Meenakshi Gothwal	Member
4	Dr. Pawan Kumar Garg	Member
5	Mrs. Mamta	Member

The committee strives to redress the grievances, if any, of the female students, faculty and staff of the institute. The matters were investigated and efficiently resolved.

## Anti-Sexual Harassment Committee

### The Members of the committee are:

S.No.	Name	Post
1	Dr. Pratibha Singh	Chairperson
2	Prof. Raj Rani	Member
3	Dr. Shilpi Gupta Dixit	Member
4	Dr. Puneet Setia	Member
5	Dr. Jagdish Prasad Goyal	Member
6	Dr. Aliza Mittal	Member
7	Prof. Jayashri Vajpai	Member
8	Ms V Bhansali	Member (Lawyer)
9	Mr. Manish Kumar Srivastava	Member Secretary

strives for making a safe and humane condition at the Institute premises where women can work with dignity. During the year 2019-20 one new case was received and report submitted.

## Research Section

### Composition:

S. No.	Name	Designation
1.	Dr. Praveen Sharma	Dean (Research)
2.	Dr. Vijaya Lakshmi Nag	Vice-Dean (Research)
3.	Dr. Pankaj Bhardwaj	Sub-Dean (Research)
4.	Dr. Neeraj Gupta	Assistant Dean (Research)
5.	Dr. Tanuj Kanchan	Assistant Dean (Research)
6.	Dr. Jay Karan Charan	Assistant Dean (Research)
7.	Dr. Abhay Elhence	Member (Research)
8.	Dr. Poonam Elhence	Member (Research)
9.	Dr. Abhinav Dixit	Member (Research)
10.	Dr. Nikhil Kothari	Member (Research)
11.	Dr. Sumit Baneerjee	Member (Research)
12.	Dr. Ravisekhar Gadepalli	Member (Research)
13.	Dr. F. S. K Brar	Chairperson, Institute Human Ethics Committee
14.	Dr. Surajit Ghatak	Chairperson, Ethics Sub Committee (Student Research)
15.	Dr. Sneha Ambwani	Chairperson, Drugs and Therapeutics Committee

The Research Section facilitates various research activities in-house and outside the Institute. The Research Section formulates the guidelines for research including Intramural, Extramural, STS, Self-Funding projects and also reviews the projects of Faculty and students and further provides format for the same.

Research Section also promotes the Inter-Institutional Collaborations and develop modalities for such collaborations. Recently Research Section has facilitated signing of MoU/Clinical Trial Agreement, which are as follows.

S. No.	Date of MoU/ Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
1	05.12.2019	Safety and Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization, a phase IV study.	All India Institute of Medical Sciences, Jodhpur	SIRO Clinpharm Pvt. Ltd., Thane.
2	04.09.2019	Clinical Trial of the Content-Based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules and ILD Patients.	All India Institute of Medical Sciences, Jodhpur	IIT, Kharagpur
3	03.07.2019	Burden of multidrug-resistant neonatal sepsis in district hospital settings in India.	All India Institute of Medical Sciences, Jodhpur	Clinical Development Service Agency, THSTI, Faridabad
4	11.10.2019	Pharmacogenomics, Biochemical, Epigenetic and population Pharmacokinetic Study in TB patients- Multicentric Study	All India Institute of Medical Sciences, Jodhpur	Manipal College of Pharmaceutical Sciences, Karnataka

S. No.	Date of MoU/ Agreement	Title of MoU/Clinical Trial Agreement	Between the Institutions	
5	02.05.2019	Prevalence of sepsis in critically ill patients in India: A single-day, Prospective, Observational, Multicentre, nationwide point prevalence study	All India Institute of Medical Sciences, Jodhpur	George Institute for Global Health, India02
6	02.05.2019	Epidemiology and determinants of Outcome of hospital acquired blood stream infections in the Intensive care	All India Institute of Medical Sciences, Jodhpur	Redcliffe Hospital, Australia
7	01.07.2019	Clinical Phenotype & Genetics regulation of Endometriosis in Indian women	All India Institute of Medical Sciences, Jodhpur	ICMR-NIRRH, Mumbai

A total of 11 Intra-mural projects by the faculty members with a maximum grant of Rs. 5 lacs each were approved during the year.

S. No.	Project No.	Principal Investigator	Designation	Department	Name of Project Title
1.	AIIMS/RES(06)/2018/331	Dr. Mayank Garg	Associate Professor	Neurosurgery	Methylmethacrylate Inter-Facetal & Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) & Various Spine Surgeries respectively.
2.	AIIMS/RES(06)/2018/333	Dr. Garima Yadav	Assistant Professor	Obstetrics & Gynaecology	Utility of fallopian tube brush cytology as screening tool for epithelial ovarian cancer in patients undergoing gynaecological surgeries for benign & malignant indications
3.	AIIMS/RES(06)/2018/336	Dr. Meenakshi Rao	Assistant Professor	Pathology	Mismatch repair deficiency & PD-L1 expression in urothelial carcinomas & renal carcinomas.
4.	AIIMS/RES(06)/2018/340	Dr. Ramniwas	Assistant Professor	Pulmonary Medicine	Expression of circulating miRNA 21 & 155 in patients with Bronchial Asthma & their association with lung function & treatment response in Indian population—A Pilot Study.
5.	AIIMS/RES(06)/2018/341	Dr. Vaibhav Kumar Varshney	Assistant Professor	Surgical Gastroenterology	Neoadjuvant Chemotherapy Vs Chemoradiotherapy for Malignancy of Oesophagus: A Prospective Comparative Study (NAMO).
6.	AIIMS/RES(06)/2018/342	Dr. Navdeep Kaur Guman	Associate Professor	Obstetrics & Gynaecology	Predictors of ovarian function reserve in premenopausal patients with breast cancer.
7.	AIIMS/RES(06)/2018/343	Dr. Alok Kumar Sharma	Assistant Professor	Cardiothoracic and Vascular Surgery (CTVS)	A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic & autologous blood transfusion.

S. No.	Project No.	Principal Investigator	Designation	Department	Name of Project Title
8.	AIIMS/RES(06)/2018/344	Dr. Sarika Kombade	Assistant Professor	Microbiology	Study of Clostridium Difficile Infection in Patients with Antibiotic Associated Diarrhoea in Hospitalized Patients in Tertiary Care Center at AIIMS, Jodhpur
9.	AIIMS/RES(06)/2018/357	Dr. Dharamveer Yadav	Associate Professor	Biochemistry	Evaluation of Toll like receptors 2, 4 & neurotransmitters receptors (Serotonin, Dopamine & Glutamate) & its significance in cognitive behavior changes in Schizophrenia patients.
10.	AIIMS/RES(06)/2018/338	Dr. Jitendra Aneja	Assistant Professor	Psychiatry	A Prospective Study to Elicit Regional Brain Volume & Metabolite changes after Electroconvulsive Therapy for Severe Depression.
11.	AIIMS/RES(06)/2018/334	Dr. Sourabha Kumar Patro	Assistant Professor	ENT	Cyto-morphological features of presence & no of AgNOR avid regions & micronuclear score compared to CK-8 immunoreactive controls in premalignant & early malignant lesions of oral cavity & oropharynx

**Extramural Research Project / Multi-Centric Project/Clinical Trial Projects:**

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding
1.	To assess the prevalence of specific micronutrient deficiencies in school going children aged between 6-16 years in ten cities of India.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	KGMU Lucknow	9,22,500/-
2.	Establishment of DBT NIDAN Kendra at AIIMS Jodhpur for Genetic Disorders in Rajasthan.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	DBT	1,47,61,600/-
3.	Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trail of an Innovative Educational Intervention.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	ICMR	27,12,714/-



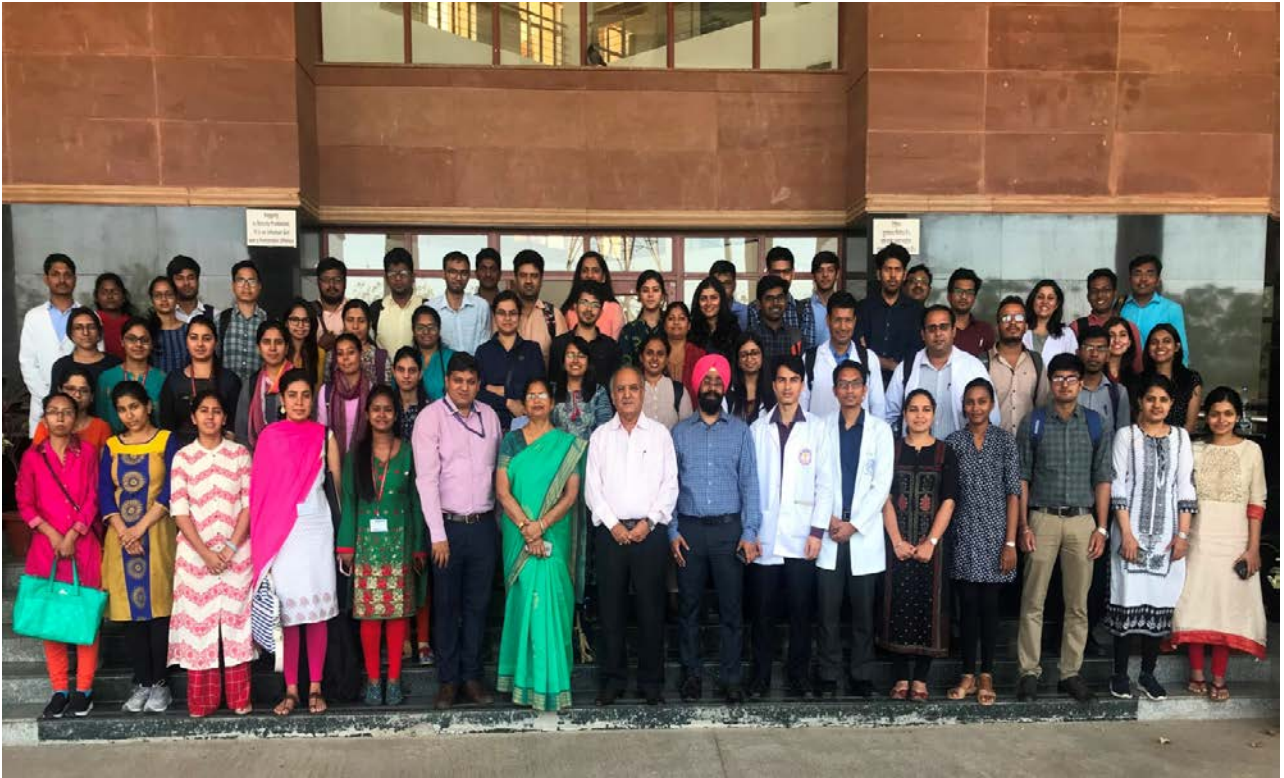
S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding
4.	Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospitals across India and develop registry.	Dr. Jagdish Prasad Goyal	Additional Professor	Pediatrics	ICMR	21,81,500/-
5.	Burden of multidrug-resistant neonatal sepsis in district hospital settings in India.	Dr. Neeraj Gupta	Additional Professor	Neonatology	CDSA, THSTI	48,69,399/-
6.	Epidemiological study on estimating the burden of Soil-Transmitted Helminthes infections amongst antenatal women in selected states of India.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine & Family Medicine	PHRI-SERB	3,68,000/-
7.	An observational study Analyzing the post-mortem interval in Human cadavers using autophagy proteins.	Dr. Puneet Setia	Additional Professor & Head	Forensic Medicine & Toxicology	ICMR	17,65,000/-
8.	Resource Centre/Hub under Health Technology Assessment.	Dr. Kuldeep Singh	Professor & Head	Pediatrics	DHR	48,75,970/-
9.	Emerging drug resistance of in community acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates - A multi-centric cross-sectional study	Dr. Vibhor Tak	Associate Professor	Microbiology	ICMR	3,77,580/-
10.	DHR-ICMR Advanced Medical Oncology Diagnostic Services (DIAMONDS) under HTAIn, Pilot Research Project.	Dr. Sanjeev Misra	Director	Onco-Surgery	DHR	1,15,38,996/-

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding
11.	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country-A health implementation research project (ICMR-STEMI-ACT)	Dr. Surendra Deora	Associate Professor	Cardiology	ICMR	38,93,260/-
12.	Clinical phenotypes and genetic regulation of endometriosis in India women	Dr. Shashank Shekhar	Additional Professor	Obstetrics & Gynecology	NIRRH	12,000/-
13.	Safety and Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization, a phase IV study	Dr. Pushpinder Khara	Additional Professor & Head	Diagnosis & Interventional Radiology	SIRO Clinpharm Pvt. Ltd., Thane	1,21,562.5/-
14.	Genome India: Cataloguing the genetic variations in Indians	Dr. Kuldeep Singh	Professor & Head	Pediatrics	DBT	13,20,000/-
15.	Research on Indigenous population of district Sirohi (Raj.)- A collaborative project of AIIMS, Jodhpur & Ministry of Tribal Affairs, Govt. of India	Dr. Kuldeep Singh	Professor & Head	Pediatrics	MoTA, Govt. of India	49,62,000/-
16.	Unnat Bharat Abhiyan (UBA)	Dr. Kuldeep Singh & Dr. Pankaj Bhardwaj	Professor & Head Additional Professor	Pediatrics CM&FM	IIT, New Delhi	50,000/-

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding
17.	Diagnostic efficacy of digital hemoglobinometer (TrueHB), HemoCue and non-invasive devices for screening patients for anemia in the field setting - a proposal	Dr. Abhishek Purohit	Assistant Professor	Pathology	PHFI	25,000/-
18.	Establishing a network of labs for fungal diagnosis in India	Dr. Anuradha Sharma	Additional Professor	Microbiology	ICMR	4,00,00,000/-

**Activities conducted by Research Section:**

S. No.	Title	Resource Persons	Conference/Workshop	Date
1.	Workshop on Protocol Design and Introduction to Evidence Based Medicine for PGs (MD/MS/DM/MCH) and MPH & PhD Students	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	23 <sup>rd</sup> & 24 <sup>th</sup> September, 2019
2.	Work Shop on "Systematic Reviews and Meta-Analysis"	Research Section & School of Public Health Faculty, AIIMS, Jodhpur	AIIMS, Jodhpur	18 <sup>th</sup> & 19 <sup>th</sup> June, 2019
3.	Hands on Training Program on "How to Calculate Sample Size"	Research Section Faculty, AIIMS, Jodhpur	AIIMS, Jodhpur	2 <sup>nd</sup> November, 2019
4.	iThenticate (Plagiarism Detection Software) Training program for Faculty Members	Research Section & iThenticate Company Executive	AIIMS, Jodhpur	7 <sup>th</sup> November, 2019



Group Photograph of Participants & Resource Persons



Training Photograph of Participants & Resource Person



Group session in progress

## Institutional Ethics Committee

AIIMS Jodhpur constituted its Institutional Ethics Committee as per ICMR Guidelines to promote ethical research and protect the interests of the participants in research.

Institutional Ethics Committee (IEC) comprised 15 members. Eminent Pharmacologist, Dr F.S.K Barar is the Chairman and Dr. Praveen Sharma, Professor and Head, Department of Biochemistry, the Member Secretary. Two Sub- Committees for Student Research and Drug Trial are also functional. Student Research Sub-committee comprised of 6 members with Dr. Surajit Ghatak, Professor and Head, Department of Anatomy, as the Chairman and Dr. Abhinav Dixit, Additional Professor, Department of Physiology as the Member Secretary. Drug Trial Sub-committee comprised of 6 members with Dr. Sneha Ambwani, Professor and Head, Department of Pharmacology as its Chairperson and Dr. Pradeep Kumar Bhatia, Professor and Head of Anaesthesiology as the Member Secretary.

IEC includes Law Expert, Social Scientist, Public Representative and members from ICMR.

The following is the composition of Institutional Ethics Committee:

- i) Dr. F S K Barar (Chairman)
- ii) Justice N N Mathur (Member)
- iii) Dr. Varsha Sharma (Member)
- iv) Mr. B S Yadav (Member)
- v) Dr. K R Haldiya (Member)
- vi) Dr. Arvind Mathur (Member)
- vii) Dr. Surajit Ghatak (Member)
- viii) Dr. Vijay Laxmi Nag (Member)
- ix) Dr. Sneha Ambwani (Member)
- x) Dr. Kuldeep Singh (Member)
- xi) Dr. Tanuj Kanchan (Member)
- xii) Dr. Pradeep Kumar Bhatia (Member)
- xiii) Dr. Abhinav Dixit (Member)
- xiv) Dr. Pankaj Bhardwaj (Member)
- xv) Dr. Praveen Sharma (Member-Secretary)

### Ethics Sub- Committee (Student Research)

- i) Dr. Surajit Ghatak (Chairperson)
- ii) Dr. Poonam Elhence (Member)
- iii) Dr. Pankaj Bhardwaj (Member)
- iv) Dr. Amit Goyal (Member)
- v) Dr. Nishant Chauhan (Member)
- vi) Dr. Abhinav Dixit (Member-Secretary)

### Ethical Sub-Committee (Drugs Trial)

- i) Dr. Sneha Ambwani (Chairperson)
- ii) Justice N.N.Mathur (Member)
- iii) Dr. Varsha Sharma (Member)
- iv) Dr. Pratibha Singh (Member)
- v) Dr. Jaykaran Charan (Member)
- vi) Dr. Pradeep Kumar Bhatia (Member-Secretary)

Institutional Ethics Committee of AIIMS, Jodhpur has been registered under rule 122DD vide registration no. ECR/866/Inst/RJ/2016 dated 21/10/2016 (File No. ECR/1465/AIIMS-Jodhpur/Inst/RJ/2016) by Central Drugs Standard Control Organization, Government of India.

Regular meetings under the Chairmanship of Prof. F.S.K. Barar were held during the year to consider various projects submitted by faculty and students for Ethical clearance.

**26<sup>th</sup> Meeting of Institutional Ethics committee held on 11<sup>th</sup> April, 2019****37 Projects approved by Institutional Ethics Committee:-**

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/880	Dr. Kuldeep Singh	Professor & Head	Pediatrics	Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention	Dr. Pratibha Singh Dr. Praveen Sharma Dr. Shilpi Dixit Dr. Varuna Vyas Dr. PP Sharma	Extramural ICMR, New Delhi	26th Meeting 11th April, 2019
2	AIIMS/IEC/2019/882	Dr. Mithu Banerjee	Additional Professor	Biochemistry	A Study of Antitubercular drug induced hepatitis in western Rajasthan	Dr. Praveen Sharma Dr. Jyotsna Jaju Dr. Sojit Tomo Dr. Arun Sinha Dr. Shravya Poduri Dr. Naveen Dutt Dr. Shahir Asfahan	Extramural WHO-RNTP, Operational Research	26th Meeting 11th April, 2019
3	AIIMS/IEC/2019/849	Dr. Sushmita Jha	Assistant Professor	Bioscience & Bioengineering, IIT Jodhpur	Development of protocol for isolation of primary microglia from human brain tissue	Dr. Deepak Jha, Professor & Head, Neurosurgery, AIIMS, Jodhpur	Extramural AIIMS-IIT Jodhpur Joint Project Fund	26th Meeting 11th April, 2019
4	AIIMS/IEC/2019/854	Dr. Kapil Soni	Assistant Professor	ENT	Prevalence and difficulties in management of Head and Neck cancers in western Rajasthan - an institutional study	Dr. Amit Goyal Dr. Nikhil Rajan	Non-Funded	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
5	AIIMS/IEC/2019/901	Dr. Pratibha Gehlawat	Assistant Professor	Psychiatry	Assessment of satisfaction and expectations of patients receiving mental health services in a tertiary care referral centre.	Dr. Mukesh Kumar Swami Dr. Vijay Saini Dr. Archis Khivsara	Non-Funded	26th Meeting 11th April, 2019
6	AIIMS/IEC/2019/876	Dr. Binit Sureka	Associate Professor	Diagnostic & Interventional Radiology	Non-contrast Computed Tomography findings in gangrenous cholecystitis : Retrospective data collection	Dr. Pushpinder S Khera Dr. Ramkaran Choudhary Dr. Vaibhav Varshney Dr. Poonam Elhence	Non-Funded	26th Meeting 11th April, 2019
7	AIIMS/IEC/2019/903	Dr. Ravi Shankar Sharma	Senior Resident	Anaesthesiology & Critical Care	Cross-sectional evaluation of prevalence of depression in patients with Nociceptive and Neuropathic pain in India Subpopulation	Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Bharat Paliwal Dr. Rakesh Kumar Dr. Ankur Sharm	Non-Funded	26th Meeting 11th April, 2019
8	AIIMS/IEC/2019/906	Dr. Rakesh Kumar	Assistant Professor	Anaesthesiology & Critical Care	Comparison of malposition of i-gel in paediatric patients after blind and C-MAC guided insertion- A randomised controlled trial	Dr. Pooja Bihani Dr. Pradeep Bhatia Dr. Sadik Mohammed Dr. Rashmi Syal Dr. Swati Chhabra	Non-Funded	26th Meeting 11th April, 2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
9	AIIMS/IEC/2019/907	Dr. Bharat Choudhary	Assistant Professor	Trauma & Emergency (Pediatrics)	Use of Point of care ultrasonography (POCUS) in Pediatric emergency in India - A cross sectional survey	Prof. (Dr.) Kuldeep Singh	Non-Funded	26th Meeting 11th April, 2019
10	AIIMS/IEC/2019/883	Dr. Bharat Choudhary	Assistant Professor	Trauma & Emergency (Pediatrics)	Clinical audit of Pediatric dengue patients-A retrospective assessment	Dr. Priya Gupta Prof. (Dr.) Kuldeep Singh	Non-Funded	26th Meeting 11th April, 2019
11	AIIMS/IEC/2019/908	Dr. Garima Yadav	Assistant Professor	Obstetrics & Gynaecology	Risk of Incidental Genital Tract Malignancies at the Time of Hysterectomy for Benign Conditions	Dr. Shuchita B Goyal; Dr. Meenakshi Rao; Dr. Pratibha Singh; Dr. Priyanka Kathuria; Dr. Meenakshi Gothwal	Non-Funded (Retrospective Study)	26th Meeting 11th April, 2019
12	AIIMS/IEC/2019/832	Prof. Rajesh Sharma	Professor	Physiology	Evaluation of the relationship between pre-operative cardiac autonomic function and perioperative hypotension risk in diabetic patients undergoing surgery	Dr. Pradeep Kumar Bhatia Dr. Shival Srivastav	Non-Funded Re-submit	26th Meeting 11th April, 2019
13	AIIMS/IEC/2018/732	Dr. Rahul Saxena	Assistant Professor	Pediatric Surgery	Retrospective analysis of outcome of stoma closure in children without mechanical bowel preparation	Dr. Arvind Sinha Dr. Manish Pathak Dr. Kirtikumar Rathod Dr. Avinash S.Jadhav	Non-Funded Re-submit	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
14	AIIMS/IEC/2019/902	Guide: Dr. Bharat Choudhary Student: Dr. Nisha Toteja	Assistant Professor	Pediatrics	Validation of PIM3 score in a tertiary care pediatric intensive care unit in Western Rajasthan	Dr. Daisy Kherra Dr. Kuldeep Singh	Fellowship Project	26th Meeting 11th April, 2019
15	AIIMS/IEC/2019/904	Guide: Dr. Daisy Kherra Student: Dr. Pawan Kumar Barolia	Associate Professor	Pediatrics	Bacteriological profile of Health care associated infection and Antibiotic resistance pattern of isolates at PICU in Tertiary care Hospital	Dr. Bharat Choudhary Dr. Kuldeep Singh Dr. Vijaya Lakshmi Nag Dr. Vibhor Tak	Fellowship Project	26th Meeting 11th April, 2019
16	AIIMS/IEC/2019/905	Guide: Dr. Pradeep Bhatia Student : Dr. Pooja Bihani	Fellow Paeditric Anaesthesia	Anaesthesiology & Critical Care	Measurement of epidural depth with ultrasound and its correlation with body mass index in Indian paediatric population : A prospective observational study	Dr. Swati Chhabra Dr. Sadik Mohammed Dr. Manoj Kamal Dr. Rakesh Kumar	Fellowship Project	26th Meeting 11th April, 2019
17	AIIMS/IEC/2019/910	Dr. Yogesh Kumar Jain	Additional Professor	CM&FM	Model Health Promoting School Initiative by School of Public Health, AIIMS Jodhpur: A Feasibility Study	Dr. Pankaj Bhardwaj Dr. Kuldeep Singh Dr. Nitesh Kumar	School of Public Health	26th Meeting 11th April, 2019
18	AIIMS/IEC/2019/911	Dr. Nitin Kumar Joshi	Additional Professor	CM&FM	Overview of e-Health Initiatives in Rajasthan: An Exploratory Study	Dr. Pankaj Bhardwaj	School of Public Health	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
19	AIIMS/IEC/2019/912	Dr. Nitesh Kumar	Senior Resident	CM&FM	Dog population management and vaccine strategies at the level of Municipal Corporation Jodhpur. A step towards "One Health" strategy for Rabies Free Jodhpur.	Dr. Pankaj Bhardwaj Dr. Nitin Kumar Joshi	School of Public Health	26th Meeting 11th April, 2019
20	AIIMS/IEC/2019/913	Dr. Kuldeep Singh	Professor & Head	Pediatrics	AIIMS Jodhpur Model of Medical Education: Experience, Acceptance and Adaptability	Dr. Pratibha Singh Dr. Shilpi Gupta Dixit Dr. Praveen Sharma	Non-Funded	26th Meeting 11th April, 2019
21	AIIMS/IEC/2019/914	Guide: Dr. Jagdish Goyal Student: Dr. Sachin Singh	Additional Professor	Pediatrics	Validation of mini Pediatric quality of life questionnaire and identification of risk factors in children	Dr. Prawin Kumar	Fellowship Project	26th Meeting 11th April, 2019
22	AIIMS/IEC/2019/916	Guide: Dr. Praveen Sharma Student: Dr. Prasenjit Mitra	Professor & Head	Biochemistry	Th17 and Kynurenine Pathway in Depression and Suicidality	Dr. Naresh Nebhinani	Ph.D. Thesis	26th Meeting 11th April, 2019
23	AIIMS/IEC/2019/877	Guide: Dr. Purvi Purohit Student: Mr. Manoj Khokhar	Associate Professor	Biochemistry	Analysing the role of PTEN and MicroRNAs in immune homeostasis of TH9 and Treg in Diabetic Nephropathy	Dr. Nitin Bajpai Dr. Gopal Krishna Bohra Dr. Dharamveer Yadav Dr. Praveen Sharma	Ph.D. Thesis	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
24	AIIMS/IEC/2019/898	Guide: Mr. Ashish Parihar Student: Dr. Mamta	Lecturer	College of Nursing	Attachment Styles and Depression Among Nursing Officers of AIIMS Jodhpur	Dr. Ashok Kumar	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
25	AIIMS/IEC/2019/884	Guide: Prof. (Dr.) Raj Rani Student: Ankita Sharma	Principal	College of Nursing	Knowledge and practices regarding management of minor ailments of pregnancy and its impact on lifestyle of antenatal mothers at selected hospital of Jodhpur	Mrs. Mamta Prof. Pratibha Singh	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
26	AIIMS/IEC/2019/885	Guide: Mrs. Mamta Student: Priya Goel	Lecturer	College of Nursing	Knowledge and barriers towards use of family planning methods among women residing at selected rural area of Jodhpur	Prof. (Dr.) Raj Rani	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
27	AIIMS/IEC/2019/888	Guide: Dr. Ashok Kumar Student: Anushiya	Associate Professor	College of Nursing	Risk factors of cervical and breast cancer among the females attending OPD of AIIMS, Jodhpur	Dr. Puneet Pareek Mrs. Vandna Pandey	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
28	AIIMS/IEC/2019/889	Guide: Mrs. Vandna Pandey Student: Subhash Kumar Saini	Lecturer	College of Nursing	Musculoskeletal problems and expressed practices of body mechanics among nursing officers at AIIMS Jodhpur	Dr. Abhay Elhance Dr. Ashok Kumar	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
29	AIIMS/IEC/2019/890	Guide: Mr. Himanshu Vyas Student: Kiran Kumari	Lecturer	College of Nursing	Knowledge and lifestyle modification regarding gestational diabetes mellitus (GDM) among antenatal mothers at AIIMS Jodhpur.	Prof. Pratibha Singh	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
30	AIIMS/IEC/2019/893	Guide: Mr. Mukesh Chandra Sharma Student: Dhirja	Associate Professor	College of Nursing	Effectiveness of an information booklet on knowledge and expressed practices regarding asthma management among parent of children suffering from asthma at AIIMS Jodhpur	Dr. Jagdish Goyal Mrs. Remiya Mohan	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
31	AIIMS/IEC/2019/894	Guide: Mr. Mukesh Chandra Sharma Student: Maneesh	Associate Professor	College of Nursing	Effectiveness of nurse led discharge instructions on knowledge and expressed practices regarding home care management among parents of children being discharged after surgery	Dr. Arvind Sinha Mrs. Remiya Mohan	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
32	AIIMS/IEC/2019/895	Guide: Mrs. Remiya Mohan Student: Neeraja V K	Lecturer	College of Nursing	Effectiveness of facilitated tucking on the physiological parameters and level of pain among neonates undergoing intramuscular immunization at AIIMS Jodhpur	Dr. Neeraj Gupta Mr. Mukesh Chandra Sharma	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
33	AIIMS/IEC/2019/896	Guide: Mrs. Remiya Mohan Student: Rubi Khan	Lecturer	College of Nursing	Effectiveness of video assisted teaching program on knowledge regarding good touch and bad touch among school age children 6-12 years at selected schools of Jodhpur	Mr. Mukesh Chandra Sharma	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
34	AIIMS/IEC/2019/897	Guide: Mr. Aashish Parihar Student: Gunjan Gautam	Lecturer	College of Nursing	Depression, anxiety, perceived stress and ways of coping among parents of children with intellectual disability in selected special schools of Jodhpur	Mrs. Vandna Pandey	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
35	AIIMS/IEC/2019/899	Guide: Mr. Aashish Parihar Student: Sushil Humane	Lecturer	College of Nursing	Emotional and behavioural problems among adolescents in Jodhpur city.	Mrs. Remiya Mohan	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
36	AIIMS/IEC/2019/900	Guide: Mr. Aashish Parihar Student: Varsha Dhama	Lecturer	College of Nursing	Knowledge and dealing strategies regarding learning disabilities in students among teachers at selected schools of Jodhpur	Mrs. Vandna Pandey	M.Sc. Nursing Student (Batch 2018)	26th Meeting 11th April, 2019
37	AIIMS/IEC/2018/468	Guide: Dr. Arvind Sinha Student: Dr. T.K. Jayakumar	Professor & Head	Pediatric Surgery	Comparison of outcomes between foreskin reconstruction and no foreskin reconstruction in distal hypospadias repair	Dr. Manish Pathak Dr. Rahul Saxena	Revised MC.h. Thesis	26th Meeting 11th April, 2019

### 27<sup>th</sup> Meeting of Institutional Ethics committee held on 17<sup>th</sup> June, 2019

#### 75 Projects approved by Institutional Ethics Committee:-

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/948	Dr. Aliza Mittal	Assistant Professor	Paediatrics	Establishing a registry for patients with hemolytic uremic syndrome Participation in Multicentric study	Dr. Kuldeep Singh	Extramural	27th Meeting 17th June, 2019
2	AIIMS/IEC/2019/946	Dr. Nikhil Kothari	Associate Professor	Anaesthesiology & Critical Care	Epidemiology and determinant of outcomes of hospital acquired Blood Stream Infections in the Intensive Care. (Eurobact II)	Dr. Vibhor Tak Dr. Alexis Tabah	Multicentric Project	27th Meeting 17th June, 2019
3	AIIMS/IEC/2019/919	Dr. Vaibhav Kumar Varshney	Assistant Professor	Surgical Gastroenterology	Neoadjuvant Chemotherapy Vs Chemoradiotherapy for Malignancy of Oesophagus: A Prospective Comparative Study (NAMO)	Dr. Puneet Pareek; Dr. Poonam Elhence; Dr. Subhash Soni	Intramural 2019-20	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
4	AIIMS/IEC/2019/920	Dr. Alok Kumar Sharma	Assistant Professor	CTVS	A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion	Dr. Archana Bajpayee Dr. Mritunjay Kumar Dr. Manoj Kamal Dr. Surendra Patel	Intramural 2019-20	27th Meeting 17th June, 2019
5	AIIMS/IEC/2019/925	Dr. Navdeep Kaur Ghuman	Associate Professor	Obstetrics and Gynaecology	Predictors of ovarian function reserve in premenopausal patients with breast cancer	Dr. Praveen Sharma; Dr. Pratibha Singh; Dr. Puneet Parikh; Dr. Dharamveer Yadav Dr. Jeewan Ram	Intramural 2019-20	27th Meeting 17th June, 2019
6	AIIMS/IEC/2019/926	Dr. Sarika P Kombade	Assistant Professor	Microbiology	Study of Clostridium Difficile Infection in Patients with Antibiotic Associated Diarrhoea in Hospitalized Patients in Tertiary Care Center at AIIMS, Jodhpur	Dr. Vijaya Lakshmi Nag Dr. Pradeep Kumar Bhatia Dr. Daisy Khera Dr. Vibhor Tak; Dr. Gopal Bohra; Dr. Manendra Lodha	Intramural 2019-20	27th Meeting 17th June, 2019
7	AIIMS/IEC/2019/921	Dr. Sourabha Kumar Patro	Assistant Professor	Otorhinolaryngology (ENT)	Cyto-morphological features of presence and no of AgNOR avid regions and micronuclear score compared to CK-8 immunoreactive controls in premalignant and early malignant lesions of oral cavity and oropharynx	Dr. Sudeep Khera Dr. Poonam Elhence Dr. Amit Goyal Dr. Darwin Kaushal Dr. Kapil Soni	Intramural 2019-20	27th Meeting 17th June, 2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
8	AIIMS/IEC/2019/922	Dr. Jitender Aneja	Assistant Professor	Psychiatry	A Prospective Study to Elicit Regional Brain Volume and Metabolite changes after Electro-convulsive Therapy for Severe Depression	Dr. Pushpinder Singh Khera Dr. Praveen Sharma Dr. Naresh Nebhinani Dr. Mukesh Swami Dr. Pratibha	Intramural 2019-20	27th Meeting 17th June, 2019
9	AIIMS/IEC/2019/923	Dr. Garima Yadav	Assistant Professor	Obstetrics and Gynaecology	Utility of fallopian tube cytology as screening tool for epithelial ovarian cancer in patients undergoing gynaecological surgeries for benign and malignant indications	Dr. Meenakshi Rao; Dr. Pratibha Singh; Dr. Meenakshi Gothwal; Dr. Shashank Shekhar	Intramural 2019-20	27th Meeting 17th June, 2019
10	AIIMS/IEC/2019/932	Dr. Ramniwas	Assistant Professor	Pulmonary Medicine	Expression of circulating miRNA 21 and 155 in patients with Bronchial Asthma and their association with lung function and treatment response in Indian population- A Pilot Study	Dr. Kamla Kant Shukla Dr. Naveen Dutt Dr. Nishant Kumar Chauhan	Intramural 2019-20	27th Meeting 17th June, 2019
11	AIIMS/IEC/2019/943	Dr. Meenakshi Rao	Assistant Professor	Pathology	Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal carcinomas	Dr. Aasma Nalwa; Dr. Poonam Elhence; Dr. Gautam Ram Choudhary Dr. Himanshu Pandey	Intramural 2019-20	27th Meeting 17th June, 2019
12	AIIMS/IEC/2019/942	Dr. Dharamveer Yadav	Associate Professor	Biochemistry	Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behavior changes in Schizophrenia patients.	Dr. Praveen Sharma Dr. Naresh Nebhinani Dr. Tanu	Intramural 2019-20	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
13	AIIMS/IEC/2019/947	Dr. Mayank Garg	Associate Professor	Neurosurgery	Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries respectively	Dr. Vinay Chugh Dr. Suryanarayanan Bhaskar Dr. Pushpinder Khara Dr. Deepak Kumar Jha	Intramural 2019-20	27th Meeting 17th June, 2019
14	AIIMS/IEC/2019/929	Dr. Shashank Shekhar	Additional Professor	Obstetrics and Gynaecology	Circulating Micro RNA-125b as A Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer	Dr. Praveen Sharma Dr. Pratibha Singh; Dr. Manu Goyal Dr. Charu Sharma; Dr. Prosenjit Banerjee Dr. Shuchita Batra	Intramural 2018-19	27th Meeting 17th June, 2019
15	AIIMS/IEC/2019/954	Dr. Pushpinder S. Khara	Additional Professor	Radiology	Retrospective data charting of BRTO (Balloon occluded retrograde trans venous obliteration of gastric varices cases)	Dr. Pawan Kr. Garg	Non-Funded	Expedited Review Dr. F.S.K. Barar
16	AIIMS/IEC/2019/938	Dr. Pradeep Bhatia	Professor & Head	Anaesthesiology & Critical Care	Prevalence of sepsis in critically ill patients in India: A single-day, prospective, observational, multicentre, nation-wide point prevalence study	Dr. Sadik Mohammed	Multicentric Project	Expedited Review Dr. F.S.K. Barar
17	AIIMS/IEC/2019/936	Guide: Dr. Abhishek Purohit Student: Siddhant Passey	Assistant Professor	Pathology	Detection of Paroxysmal Nocturnal Haemoglobinuria Clones in cases of Deep Vein Thrombosis in a Tertiary Care Centre, Western Rajasthan.	None	ICMR (STS)	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
18	AIIMS/IEC/2019/937	Guide: Dr. Saptarshi Mandal Student: Muskan Arora	Assistant Professor	Transfusion Medicine & Blood Bank	Study of the Effects of Blood Unit Aliquot Size and Orientation of Bag During Storage on Post-assium Leaking in Irradiated and Non-Irradiated Red Cell Units	None	ICMR (STS)	27th Meeting 17th June, 2019
19	AIIMS/IEC/2019/940	Guide: Dr. Akhil Dhanesh Goel Student: Divya Rani	Assistant Professor	CM&FM	Assessment of caregiver's burden and coping strategies amongst caregivers in a tertiary care hospital in western Rajasthan	None	NON-ICMR (STS)	27th Meeting 17th June, 2019
20	AIIMS/IEC/2019/945	Guide: Dr. Pankaja Raghav Student: Ishudeep Kaur	Professor & Head	CM&FM	Health-Related Quality of Life (HRQOL) in Chronic Obstructive Pulmonary Disease (COPD) patients attending the peripheral healthcare centers in Western Rajasthan	None	NON-ICMR (STS)	27th Meeting 17th June, 2019
21	AIIMS/IEC/2019/955	Guide: Dr. Suryanarayan Bhaskar Student: Dr. Jigish Ruparelia	Additional Professor	Neurosurgery	Role of Routine Early Postoperative CT Scan in Elective Cranial Surgeries	Dr. Deepak Kumar Jha Dr. Sarbesh Tiwari	M.Ch. Thesis	27th Meeting 17th June, 2019
22	AIIMS/IEC/2019/956	Guide: Dr. Prasunpriya Nayak Student: Dr. Jagdish Prasad Seoran	Associate Professor	Physiology	Assessment of correlation between autonomic reactivity and latency parameters in healthy adults	Dr. Shival Srivastav	M.D. Thesis	27th Meeting 17th June, 2019
23	AIIMS/IEC/2019/957	Guide: Dr. Rajesh Sharma Student: Dr. Anshika Baranwal	Professor	Physiology	Comparison of Preoperative and postoperative SSEP and BAEP parameters in patients undergoing cerebellopontine angle tumour surgery	Dr. Deepak Kumar Jha	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
24	AIIMS/IEC/2019/983	Guide: Dr. Jay Karan Charan Student: Dr. Jha Pallavi Abhayanand	Assistant Professor	Pharmacology	Frequency of rs671(Glu504Lys) polymorphism in ALDH2 and its relationship with effect of sublingual Nitroglycerin.	Dr. Sneha Ambwani Dr. Praveen Sharma; Dr. Surender Deora Dr. Sarbesh Tiwari	M.D. Thesis	27th Meeting 17th June, 2019
25	AIIMS/IEC/2019/982	Guide: Dr. Mithu Banerjee Student: Dr. Shruti Gupta	Additional Professor	Biochemistry	Incidence of Drug induced liver injury and DNA hypermethylation in CYP4501A1, CYP4501B1 and Glutathione S transferase genes in Anti tubercular treatment induced hepatitis	Dr. Praveen Sharma Dr. Vijaya Lakshmi Nag Dr. Dharamveer Yadav	M.D. Thesis	27th Meeting 17th June, 2019
26	AIIMS/IEC/2019/981	Guide: Dr. Vibhor Tak Student: Dr. Naila Mohammed	Associate Professor	Microbiology	A Pilot Study on genotyping of Giardia intestinalis isolates and it's clinical co-relation from cases of human giardiasis	Dr. Vijaya Lakshmi Nag; Dr. Kuldeep Singh; Dr. Gopal Krishna Bohra; Dr. Anuradha Sharma; Dr. Ravi Sekhar Gadepalli	M.D. Thesis	27th Meeting 17th June, 2019
27	AIIMS/IEC/2019/980	Guide: Dr. Nishant Kumar Chauhan Student: Dr. Aneesa Shahul.S	Associate Professor	Pulmonary Medicine	Bronchoscopic Electrocautery Versus Adrenaline and Cold Saline Instillation for Prophylactic Haemostasis Prior to Biopsy of Endobronchial Lesions	Dr. Naveen Dutt Dr. Ramniwas Dr. Poonam Elhence	D.M. Thesis	27th Meeting 17th June, 2019
28	AIIMS/IEC/2019/979	Guide: Dr. Naveen Dutt Student: Dr. Benhur Joel Shadrach	Associate Professor	Pulmonary Medicine	Clinical Utility of BAL Cellular Analysis and BAL Biomarkers in Evaluating Disease Severity in Chronic Fibrosing Interstitial Lung Diseases	Dr. Nishant Kumar Chauhan; Dr. RamniwasDr. Poonam Elhence; Dr. M.K.Garg; Dr. Mithu Banerjee; Dr. Pawan Garg	D.M. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
29	AIIMS/IEC/2019/978	Guide: Dr. Mritunjay Kumar Student: Dr. Sneha Y Vajanthri	Associate Professor	Anaesthesiology and Critical Care	Evaluation of sonographic difficult airway predictors in patients undergoing caesarean section and their comparison with that of non-pregnant women: An observational cohort study	Dr. Sadik Mohammed Dr. Manoj Kamal Dr. Swati Chhabra Dr. Pradeep Kumar Bhatia	M.D. Thesis	27th Meeting 17th June, 2019
30	AIIMS/IEC/2019/977	Guide: Dr. Nikhil Kothari Student: Dr. Pallavi Sahoo	Additional Professor	Anaesthesiology and Critical Care	Comparison of Norepinephrine and Terlipressin versus Norepinephrine alone for management of Septic shock: A Randomized Control Study	Dr. Pradeep Bhatia Dr. Shilpa Goyal Dr. Ankur Sharma	M.D. Thesis	27th Meeting 17th June, 2019
31	AIIMS/IEC/2019/976	Guide: Dr. Prawin Kumar Student: Dr. Bhagya-shree P R	Associate Professor	Paediatrics	Allergic Sensitization in Asthmatic Children Attending Tertiary Care Center in Western Rajasthan	Dr. Kuldeep Singh Dr. Jagdish Prasad Goyal	M.D. Thesis	27th Meeting 17th June, 2019
32	AIIMS/IEC/2019/975	Guide: Dr. Pradeep Bhatia Student: Dr. Samarth Agarwal	Professor & Head	Anaesthesiology and Critical Care	Effect of Trans-pulmonary pressure guided PEEP titration on post-operative oxygenation parameters compared to conventional PEEP application in patients undergoing robotic pelvic surgery: An open label randomised controlled trial	Dr. Sadik Mohammed Dr. Priyanka Sethi Dr. Narendra Kaloria	M.D. Thesis	27th Meeting 17th June, 2019
33	AIIMS/IEC/2019/974	Guide: Dr. Pankaja Raghav Student: Dr. Pritish Baskaran T B	Professor & Head	CM&FM	Hybrid model for home-based care in improvement of frailty index among urban elderly- A Community based inter-ventional study	Dr. Naveen K H	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
34	AIIMS/IEC/2019/973	Guide: Dr. Ankur Sharma Student: Dr. Arunima Mohan M	Assistant Professor	Anaesthesiology and Critical Care	Comparison of caudal dexmedetomidine & midazolam as an adjuvant to ropivacaine for post-operative pain relief in children undergoing infra-umbilical surgeries: A Prospective randomized controlled trial	Dr. Pradeep Bhatia Dr. Nikhil Kothari Dr. Shilpa Goyal Dr. Priyanka Sethi	M.D. Thesis	27th Meeting 17th June, 2019
35	AIIMS/IEC/2019/972	Guide: Dr. Daisy Khera Student: Dr. Rahul Gupta	Associate Professor	Pediatrics	Assessment of lung functions in follow up of mechanically ventilated children in tertiary care setting	Dr. Kuldeep Singh Dr. Jagdish Prasad Goyal Dr. Prawin Kumar Dr. Bharat Choudhary	M.D. Thesis	27th Meeting 17th June, 2019
36	AIIMS/IEC/2019/971	Guide: Dr. Jagdish Prasad Goyal Student: Dr. Sujatha. M	Additional Professor	Pediatrics	Association of different viral infections with disease severity in acute bronchiolitis in children under 2 years	Dr. Vijaya Lakshmi Nag Dr. Kuldeep Singh; Dr. Prawin Kr. Dr. Aliza Mittal	M.D. Thesis	27th Meeting 17th June, 2019
37	AIIMS/IEC/2019/969	Guide: Dr. Swati Chhabra Student: Dr. Papung Kino	Assistant Professor	Anaesthesiology and Critical Care	Effect of steep Trendelenburg position on airway dimension, regional brain oximetry & optic nerve sheath diameter in patients undergoing robotic pelvic surgery: a prospective descriptive study	Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Rakesh Kumar	M.D. Thesis	27th Meeting 17th June, 2019
38	AIIMS/IEC/2019/968	Guide: Dr. Prasanna T Student: Dr. Rehana VR	Assistant Professor	CM&FM	Family centred training & counselling for enhancing foot self-care practices towards prevention of Diabetic foot-A randomized controlled trial in urban Jodhpur	Dr. Pankaja Raghav	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
39	AIIMS/IEC/2019/967	Guide: Dr. Navdeep Kaur Ghuman Student: Dr. Priya	Associate Professor	Obstetrics and Gynecology	Interobserver and Intraobserver variability in CTG interpretations-A hospital based Prospective Observational study	Dr. Pratibha Singh Dr. Charu Sharma Dr. Priyanka Kathuria	M.D. Thesis	27th Meeting 17th June, 2019
40	AIIMS/IEC/2019/966	Guide: Dr. Bharat Paliwal Student: Dr. Arun Mukesh R	Assistant Professor	Anaesthesiology and Critical Care	Study to find the relationship of preoperative anemia and post-operative outcomes following elective total joint arthroplasty: A prospective observational study	Dr. Pradeep Bhatia; Dr. Manoj Kamal Dr. Sadik Mohammed Dr. Abhay Elhence Dr. Sumit Banerjee	M.D. Thesis	27th Meeting 17th June, 2019
41	AIIMS/IEC/2019/965	Guide: Dr. Manoj Kamal Student: Dr. Deepanshu Dang	Additional Professor	Anaesthesiology and Critical Care	Comparison of phantom cadaver based simulations with blue phantom models for teaching ultrasound guided regional anaesthesia: A Randomized controlled trial	Dr. Mritunjay Kumar Dr. Ashish Nayyar Dr. Pradeep Bhatia Dr. Bharat Paliwal	M.D. Thesis	27th Meeting 17th June, 2019
42	AIIMS/IEC/2019/964	Guide: Dr. Kuldeep Singh Student: Dr. Prakshi Tyagi	Professor & Head	Pediatrics	Effect educational intervention on control and self-management of Type 1 diabetes mellitus in children	Dr. Varuna Vyas Dr. Siyaram Didel	M.D. Thesis	27th Meeting 17th June, 2019
43	AIIMS/IEC/2019/963	Guide: Dr. Charu Sharma Student: Dr. Suma	Associate Professor	Obstetrics and Gynecology	A Randomized Control Trial comparing Early versus delayed removal of Urinary catheter after laparoscopic hysterectomy	Dr. Shashank Shekhar Dr. Pratibha Singh Dr. Meenakshi Gothwal Dr. Manisha Jhirwal	M.D. Thesis	27th Meeting 17th June, 2019
44	AIIMS/IEC/2019/962	Guide: Dr. Anuradha Sharma Dr. Mamta Shobhawat	Additional Professor	Microbiology	Prevalence of Legionella Pneumophila in cases of community acquired Pneumonia.	Dr. Mahendra Kumar Garg Dr. Vibhor Tak	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
45	AIIMS/IEC/2019/961	Guide: Dr. Pratibha Singh Student: Dr. Ishita Aggarwal	Professor & Head	Obstetrics and Gynecology	Impact of Early versus late initiation of oral feeding after major benign gynecologic procedures and Cesarean Deliveries on rate of Postoperative complications:A Randomized Controlled trial.	Dr. Navdeep Kaur Ghuman Dr. Charu Sharma Dr. Garima Yadav Dr. Meenakshi Gothwal	M.D. Thesis	27th Meeting 17th June, 2019
46	AIIMS/IEC/2019/958	Guide: Dr. Shashank Sekhar Student: Dr. Khushboo Verma	Additional Professor	Obstetrics and Gynecology	Third Trimester routine care versus ultrasound guided pregnancy care for identification of growth abnormalities and amniotic fluid abnormalities in uncomplicated pregnancies : a randomized controlled trial	Dr. Charu Sharma Dr. Manu Goyal Dr. Meenakshi Gothwal Dr. Manish Jhirwal	M.D. Thesis	27th Meeting 17th June, 2019
47	AIIMS/IEC/2019/999	Guide: Dr. Mahveer Singh Rodha Student: Dr. Kumar Vidyacharan Birua	Associate Professor	General Surgery	The effect of vacuum assisted closure therapy in diabetic foot ulcer patient- An observational study	Dr. Ashok Kr Purani Dr. Naveen Sharma Dr. Ramkrn Choudhary Dr. Mahndr Lodha Dr. Satya Prakash Meena Dr. Mayank Badkur	M.S Thesis	27th Meeting 17th June, 2019
48	AIIMS/IEC/2019/998	Guide: Dr. Pawan Kumar Garg Student: Dr. Anchal Gupta	Assistant Professor	Diagnostic and Interventional Radiology	Multiphase computed tomography angiography and computed tomography perfusion in evaluation of patients with acute ischemic stroke	Dr. Pushpinder S Khera Dr. Sarbesh Tiwari Dr. M. K. Garg Dr. Samhita Panda Dr. Gopal K Bohra	M.D. Thesis	27th Meeting 17th June, 2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
49	AIIMS/IEC/2019/997	Guide: Dr. Pushpinder Singh Khera Student: Dr. Ankit Grewal	Additional Professor	Diagnostic and Interventional Radiology	A study of demographic factors, biochemical parameters and clinical outcome in patients of Peripheral Arterial Disease	Dr. Pawan Garg Dr. Ashok Puranik Dr. Alok Sharma Dr. Surendr Patel Dr. Nitesh Gonnade	M.D. Thesis	27th Meeting 17th June, 2019
50	AIIMS/IEC/2019/996	Guide: Dr. Shilpa Goyal Student: Dr. Pooja Yadav	Associate Professor	Anaesthesiology and Critical Care	Assessment of pain on propofol injection with varying size of cannula in children undergoing surgery: An observational study	Dr. Pradeep Bhatia Dr. Nikhil kothari Dr. Ankur Sharma	M.D. Thesis	27th Meeting 17th June, 2019
51	AIIMS/IEC/2019/995	Guide: Dr. Binit Sureka Student: Dr. Mayoukh Sarkar	Associate Professor	Diagnostic and Interventional Radiology	Role of Volume Perfusion CT in pancreatic pathologies	Dr. Pushpinder S Khera; Dr. Taruna Yadav; Dr. Vaibhav Varshney Dr. G.K.Bohra	M.D. Thesis	27th Meeting 17th June, 2019
52	AIIMS/IEC/2019/994	Guide: Dr. Taruna Yadav Student: Dr. Ankit Arora	Assistant Professor	Diagnostic and Interventional Radiology	Role of single phase split bolus CT Urography technique in Congenital anomalies of kidney and urinary tract inn children	Dr. Pushpinder S Khera Dr. Binit Sureka Dr. Arvind Sinha Dr. Aliza Mittal	M.D. Thesis	27th Meeting 17th June, 2019
53	AIIMS/IEC/2019/1000	Guide: Dr. Ashok Kumar Puranik Student: Dr. Vivek Kumar Bhagat	Professor & Head	General Surgery	Study on the outcome of patients undergoing surgery for bowel ischemia	Dr. Naveen Sharma; Dr. Ramkaran Chaudhary Dr. Mahavir S Rodha; Dr. Satya Prakash Meena; Dr. Mayank Badkur; Dr. Mahendra Lodha	M.S. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
54	AIIMS/IEC/2019/993	Guide: Dr. Amit Goyal Student: Dr. Dipika Prakash	Additional Professor	Otorhinolaryngology	Assessment of cognitive function changes following cochlear implantation in preschool children.	Dr. Kuldeep Singh Dr. Dasiy Khera Dr. Tanu Dr. Bikarm Choudhury	M.S. Thesis	27th Meeting 17th June, 2019
55	AIIMS/IEC/2019/992	Guide: Dr. Deepak Kumar Jha Student: Dr. Tarunesh Sharma	Professor & Head	Neurology	Comparison of Pre and Post-operative Transcranial doppler findings in patients with intracranial Space Occupying Lesions-An Observational Study	Dr. Suryanarayanan Bhaskar Dr. Mayank Garg	M.Ch. Thesis	27th Meeting 17th June, 2019
56	AIIMS/IEC/2019/991	Guide: Dr. Mukesh Kumar Swami Student: Dr. Tushar Kanta Panda	Assistant Professor	Psychiatry	A cross sectional study to determine the relationship between coping skills, social support & depression in Breast cancer patients in a tertiary care hospital	Dr. Kuldeep Singh Dr. Puneet Pareek Dr. Jeewan Ram Dr. Navratan Suthar	M.D. Thesis	27th Meeting 17th June, 2019
57	AIIMS/IEC/2019/990	Guide: Dr. Ramkaran Chaudhary Student: Dr. Vinod Kumar	Associate Professor	General Surgery	Diagnostic validity of point of care ultrasound in blunt trauma chest patients	Dr. Ashok Kr Puranik; Dr. Naveen Sharma; Dr. Binit Surekha; Dr. Mahavir S Rodha; Dr. Mahndr Lodha; Dr. Satya Prakash Meena Dr. Mayank Badkur	M.S. Thesis	27th Meeting 17th June, 2019
58	AIIMS/IEC/2019/1001	Guide: Dr. Jyotsna Naresh Bharti Student: Dr. Abhishek Malik	Associate Professor	Pathology	Expression of Epidermal growth factor family of receptors in human colorectal carcinoma and its correlation with clinicopathological parameters	Dr. Poonam Elhence; Dr. Aasma Nalwa, Dr. Vaibhav Varshney; Dr. Subhash C Soni	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
59	AIIMS/IEC/2019/989	Guide: Dr. Satya Prakash Meena Student: Dr. Metlapalli Venkata Sairam	Assistant Professor	General Surgery	Immediate post-operative anasarca, its incidence, outcome and management in major abdominal surgeries-An observational study	Dr. Ashok Kr Puranik; Dr. Naveen Sharma; Dr. Mahaveer S Rodha; Dr. Ramkaran Choudhary Dr. Mahndr Lodha; Dr. Mayank Badkur; Dr. Nikhil Kothari	M.S. Thesis	27th Meeting 17th June, 2019
60	AIIMS/IEC/2019/988	Guide: Dr. Ravisekhar Gadepalli Student: Dr. Malika Grover	Associate Professor	Microbiology	HPV Genotype distribution and its correlation with clinical and cytological findings in patients with or without cervical lesions in tertiary care centre	Dr. Vijaya Lakshmi Nag Dr. Poonam Elhence Dr. Manu Goyal	M.D. Thesis	27th Meeting 17th June, 2019
61	AIIMS/IEC/2019/987	Guide: Dr. Kuldeep Singh Student: Dr. Debsish Barman	Professor & Head	Pediatrics	Co-existence of autoimmune disorder in children with type 1 diabetes mellitus	Dr. Varuna Vyas	M.D. Thesis	27th Meeting 17th June, 2019
62	AIIMS/IEC/2019/986	Guide: Dr. Sneha Ambwani Student: Dr. S. Shanmugapriya	Professor & Head	Pharmacology	To study the frequency of OXA-type Carbapenemases among carbapenem resistant Acinetobacter baumannii in clinical isolates from adult Intensive Care Unit	Dr. Vijaya Lakshmi Nag Dr. Vibhor Tak Dr. Jayakaran Charan	M.D. Thesis	27th Meeting 17th June, 2019
63	AIIMS/IEC/2019/985	Guide: Dr. Pradeep Dwivedi Student: Dr. Sakshi Sharma	Assistant Professor	Pharmacology	Study of efficacy and safety of add on Apremilast in patients with unstable vitiligo	Dr. Sneha Ambwani Dr. Kuldeep Singh Dr. Abhishek Bhardwaj Dr. P.P.Sharma	M.D. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
64	AIIMS/IEC/2018/744	Guide: Dr. Surjit Singh Student: Dr. Jyoti Sharma	Associate Professor	Pharmacology	Rheumatological Manifestation and drug utilisation study in diabetes mellitus	Dr. Mahendra Kumar Garg Dr. Ravindra Shukla Dr. Jaykaran Charan	Revised M.D. Thesis	27th Meeting 17th June, 2019
65	AIIMS/IEC/2019/1002	Guide: Dr. Abhishek Bhardwaj Student: Dr. Afroz Alam	Additional Professor	Dermatology, Venereology & Leprology	A Clinical study of regional microbiological flora in cases of recurrent dermatophytosis	Dr. Anuradha Sharma Dr. Vibhor Tak Dr. Saurabh Singh Dr. Anil Budania Dr. Anupama Bains	M.D. Thesis	27th Meeting 17th June, 2019
66	AIIMS/IEC/2019/1003	Guide: Dr. Abhishek Purohit Student: Dr. Prabin Kumar Phukan	Assistant Professor	Pathology	Evaluation of antithrombin and fibrinogen levels in type 2 diabetes: A hypercoagulable state	Dr. Poonam Elhence Dr. Ravindra Shukla Dr. Praveen Sharma	M.D. Thesis	27th Meeting 17th June, 2019
67	AIIMS/IEC/2019/984	Guide: Dr. Mahendra Kumar Garg Student: Dr. S. Veena	Professor & Head	General Surgery	Risk factors and complication of Venous Thromboembolism at a tertiary care hospital in Western	Dr. Abhishek Purohit Dr. Naresh Kumar Midha Dr. Pawan K. Garg	M.D. Thesis	27th Meeting 17th June, 2019
68	AIIMS/IEC/2019/1010	Guide: Dr. Nitesh Gahlot Student: Dr. Mitanshu Jhilli	Assistant Professor	Orthopaedics	Correlation of the clinical picture with radiology of lumbar spine disc prolapse a prospective evaluation	Dr. Abhay Elhence Dr. Nilesch Barwar Dr. Sarbesh Tiwari	M.S. Thesis	27th Meeting 17th June, 2019
69	AIIMS/IEC/2019/1009	Guide: Dr. Sumit Banerjee Student: Dr. Binod Kumar	Associate Professor	Orthopaedics	Efficacy of Platelet Rich Plasma Therapy in Management of Pain in Patients with Osteoarthritis	Dr. Abhay Elhence Dr. Saptarshi Mandal	M.S. Thesis	27th Meeting 17th June, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
70	AIIMS/IEC/2019/1008	Guide: Dr. Sumit Banerjee Student: Meghal Goyal	Associate Professor	Orthopaedics	Study of variation in posterior tibial slope in various age group and its association with anterior cruciate ligament injury and osteoarthritis	Dr. Abhay Elhence Dr. Nitesh Gahlot	M.S Thesis	27th Meeting 17th June, 2019
71	AIIMS/IEC/2019/1007	Guide: Dr. Abhay Elhence Student: Ashraf Jamal	Professor & Head	Orthopaedics	3D CT based morphometric assessment of quadrilateral plate in human pelvis	Dr. Sumit Banerjee Dr. Pawan Garg	M.S Thesis	27th Meeting 17th June, 2019
72	AIIMS/IEC/2019/1006	Guide: Dr. Mahendra Kumar Garg Student: Swapnil Tripathi	Professor & Head	General Medicine	Assessment of cardiovascular risk factors and subclinical atherosclerosis in patients with rheumatoid arthritis	Dr. Surendra Deora Dr. Pawan Kumar Garg Dr. Maya Gopalakrishnan	M.D. Thesis	27th Meeting 17th June, 2019
73	AIIMS/IEC/2019/1005	Guide: Dr. M.K. Garg Student: Prakrati Yadav	Professor & Head	General Medicine	Assessment of adrenal function in patients with acute febrile illness in a tertiary care centre	Dr. Ravindra Shukla Dr. Bharat Kumar Dr. Vijay Laxmi Naag Dr. Purvi Purohit	M.D. Thesis	27th Meeting 17th June, 2019
74	AIIMS/IEC/2019/1012	Guide: Dr. Vikas P. Meshram Student: Dr. Seshagiri Raju Vempalli	Assistant Professor	Forensic medicine and Toxicology	Age estimation from 3D-CT imaging of public symphysis	Dr. Tanuj Kanchan Dr. Puneet Satia Dr. Binit Sureka Dr. Arvind Sinha	M.D. Thesis	27th Meeting 17th June, 2019
75	AIIMS/IEC/2019/1013	Guide: Dr. Raghvendra Singh Shekhawat Dr. N.J. Mohammed Akbar	Assistant Professor	Forensic medicine and Toxicology	Age and sex estimation from human cranium-a computed tomography based analysis	Dr. Puneet Setia Dr. Tanuj Kanchan Dr. Taruna Yadav Dr. Arvind Sinha	M.D. Thesis	27th Meeting 17th June, 2019

**28<sup>th</sup> Meeting of Institutional Ethics committee held on 26<sup>th</sup> July, 2019**  
**07 Projects approved by Institutional Ethics Committee:-**

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1018	PI: Dr. Rahul Gajbhiye Co-PI: Dr. Shshank Shekhar	Additional Professor	Obstetrics and Gynaecology	Clinical phenotypes and genetic regulation of endometriosis in Indian women	Dr. Shashank Shekhar	Multicentric Project	28th Meeting 26th July, 2019
2	AIIMS/IEC/2018/939	Dr. Saurabh Singh	Assistant Professor	Dermatology, Venereology and Leprology	Small nodular basal cell carcinoma may be safely excised with minimal tumor free margin: A brief institutional experience	Dr. Abhishek Bhardwah Dr. Anil Budania Dr. Anupama Bains; Dr. Farzana Ansari; Dr. Ravi Kumar	Non-Funded	28th Meeting 26th July, 2019
3	AIIMS/IEC/2019/949	Dr. Jyotsna Naresh Bharti	Associate Professor	Pathology	A retrospective 4.5 years study of risk stratification for salivary gland FNAC specimens by application of Milan System	Dr. Poonam Elhence Dr. Meenakshi Rao Dr. Aasma Nalwa Dr. Sudeep Khera	Non-Funded	28th Meeting 26th July, 2019
4	AIIMS/IEC/2019/928	Dr. Saurabh Singh	Assistant Professor	Dermatology, Venereology and Leprology	A Retrospective study of mycetoma cases: an institutional experience from western india	Dr. Abhishek Bhadwaj Dr. Anil Budania Dr. Farzana Ansari	Non-Funded	28th Meeting 26th July, 2019
5	AIIMS/IEC/2019/950	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Spectrum of Leprosy in patients attending AIIMS, Jodhpur (Retrospective Study (Jan'17 to April'19))	Dr. Jitu Mani Kalita Dr. Kavita Yedale	Non-Funded	28th Meeting 26th July, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
6	AIIMS/IEC/2019/960	Dr. Ashish Pundhir	Senior Resident	SPH	Knowledge and Attitude regarding research misconduct amongst healthcare researchers in India	Dr. Bijit Biswas Dr. Pankaj Bhardwaj Dr. Manoj Kr Gupta Dr. Akhil D. Goel Dr. Nitin Joshi	Non-Funded	28th Meeting 26th July, 2019
7	AIIMS/IEC/2019/1014	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Application Regarding permission of doing a retrospective analysis of data for design & validation of a machine learning based antimicrobial sensitivity prediction tool (ZEVAC) at AIIMS, Jodhpur	Dr. Vibhor Tak	Non-Funded	28th Meeting 26th July, 2019

### 29<sup>th</sup> Meeting of Institutional Ethics committee held on 22<sup>nd</sup> August, 2019

#### 27 Projects approved by Institutional Ethics Committee:-

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1027	Dr. Purvi Purohit	Associate Professor	Biochemistry	Evaluation of serum GDF-15, IL-9 and TH9 in Type 2 diabetics with cardiovascular diseases	Dr. MK Garg Dr. Praveen Sharma Dr. PP Sharma	DHR-ICMR Extramural	29th Meeting 22nd Aug, 2019
2	AIIMS/IEC/2019/1040	Dr. Vibhor Tak	Associate Professor	Microbiology	Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates- A multi-centric cross-sectional study	Dr. Vijaya Lksmi Nag Dr. Pankja Ravi Rghv Dr. Kuldep Singh; Dr. Pankaj Bhardwaj Dr. Manoj Kr Gupta Dr. Navin K H	ICMR, New Delhi	29th Meeting 22nd Aug, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
3	AIIMS/IEC/2019/1033	Dr. Ravi Sekhar Gadepalli	Associate Professor	Microbiology	Pilot study to understand knowledge of healthcare workers on needlestick injury	Dr. Yashik Bansal Dr. Alisha Aggarwal	Non-Funded	29th Meeting 22nd Aug, 2019
4	AIIMS/IEC/2019/1025	Dr. Taruna Yadav	Assistant Professor	Radiology	Retrospective analyzing of anatomical variations of neck vessels on CT in cases of aberrant subclavian artery	None	Non-Funded	29th Meeting 22nd Aug, 2019
5	AIIMS/IEC/2019/1024	Dr. Taruna Yadav	Assistant Professor	Radiology	Retrospective study analyzing the association between pancreatico-biliary junction and choledochal cysts in patients who underwent MRCP	None	Non-Funded	29th Meeting 22nd Aug, 2019
6	AIIMS/IEC/2019/1030	Dr. Aliza Mittal	Assistant Professor	Pediatrics	Short term Retrospective review of Renal Biopsy, Glomerulonephritis and Renovascular Hypertension in children	Dr. Aasma Nalwa Dr. Binit Sureka Dr. Kuldeep Singh	Non-Funded	29th Meeting 22nd Aug, 2019
7	AIIMS/IEC/2019/1039	Dr. Vibha Mishra	Senior Resident	Obstetrics & Gynecology	First trimester maternal serum PAPP-A and free-beta subunit hCG & NT (Combined Screen markers) and its association with adverse pregnancy outcome	Dr. Pratibha Singh Dr. Charu Sharma Dr. Meenakshi Gothwal	Non-Funded	29th Meeting 22nd Aug, 2019
8	AIIMS/IEC/2019/1034	Student: Ms. P.Gangadevi Guide: Dr. Ashok Kumar	Tutor/Clinical Instructor (Nursing) cum ANS,	College of Nursing	An exploratory study to identify quality of work life and priority improvement areas among nurses working in selected hospitals at Jodhpur, Rajasthan	Dr. Ashok Kumar	M.Phil Nursing	29th Meeting 22nd Aug, 2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
9	AIIMS/IEC/2019/1041	Dr. Abhishek Bhardwaj	Additional Professor	Dermatology	Quantitative assessment of size and echo texture of nerves in leprosy using high resolution ultra sonography (HRUS) and color Doppler (CD): a non-invasive technique with diagnostic and prognostic value in leprosy	Dr. Taruna Yadav	Multicentric Study	29th Meeting 22nd Aug, 2019
10	AIIMS/IEC/2019/850	Dr. Pushpinder Khera	Additional Professor	Diagnostic & Interventional Radiology	Safety & Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization, a phase IV study	Dr. Pawan Kumar Garg	Drug trial	29th Meeting 22nd Aug, 2019
11	AIIMS/IEC/2019/931	Dr. Pushpinder Khera	Additional Professor	Diagnostic & Interventional Radiology	Clinical Trial of the Content-based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules andILD patterns	Dr. Pawan Kumar Garg	Drug trial	29th Meeting 22nd Aug, 2019
12	AIIMS/IEC/2019/891	Student: Ms. Pooja Guide: Mr. Himanshu Vyas	M.Sc. Nursing 2nd Year Student	College of Nursing	Knowledge, attitude & factors affecting implementation of birth companionship during labor among obstetricians, nurses & pregnant women at AIIMS, Jodhpur	Dr. Pratibha Singh	(Resubmit) M.Sc Nursing	29th Meeting 22nd Aug, 2019
13	AIIMS/IEC/2019/918	Dr. Bharat Paliwal	Assistant Professor	Anaesthesiology & Critical Care	Evaluation of q NOX as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational study	Dr. Pradeep Bhatia Dr. Sadik Mohamed Dr. Manoj Kamal Dr. Swati Chhabra Dr. Ankur Sharma	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
14	AIIMS/IEC/2019/1020	Dr. Mahendra Lodha	Assistant Professor	General Surgery	Study of practice trend of groin hernia in surgeon of Rajasthan state	Dr. Ashok Puranik; Dr. Naveen Sharma; Dr. Ramkaran Chaudhary; Dr. Mahavir S Rodha; Dr. Satya Prakash Meena Dr. Akhil	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
15	AIIMS/IEC/2019/1017	Dr. Shalini Trivedi	Senior Resident	Transfusion Medicine & Blood Bank	Active Hemovigilance of Transfusion recipients by Transfusion Medicine Specialist in a tertiary care Hospital of Western Rajasthan: A cross-sectional study	Dr. Archana Bajpayee Dr. Puneeth Bbu Anne Dr. Atik Khan	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
16	AIIMS/IEC/2019/1016	Dr. Abhishek Jaiswal	Senior Resident	CM&FM	Effects of home based exercise in rural elderly with knee osteoarthritis	Dr. Pankaja Raghav Dr. Manoj Gupta Dr. Shazia Shafi	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
17	AIIMS/IEC/2019/1019	Dr. Mayank Badkur	Assistant Professor	General Surgery	Comparative study of open and laparoscopic ventral hernia repair: A prospective single centre study at AIIMS Jodhpur	Dr. Satya prakash Meena Dr. Mahendra Lodha Dr. Ramkaran Chaudhry Dr. Mahaveer Rodha Dr. Naveen Sharma Dr. Ashok Puranik	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
18	AIIMS/IEC/2019/1012	Dr. Mayank Badkur	Assistant Professor	General Surgery	Knowledge, Attitude, Practice and behaviour regarding Breast Cancer and its Prevention among female patient attending surgery OPD at AIIMS Jodhpur	Dr. Mahendra Lodha Dr. Satyaprakash Meena Dr. Ashok Puranik	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
19	AIIMS/IEC/2019/934	Dr. Neelam Saini	Senior Resident	Obstetrics & Gynecology	Obstetrics Factors Contributing to NICU admission in low risk women	Dr. Pratibha Singh Dr. Neeraj Gupta Dr. Navdeep Kaur Ghuman	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
20	AIIMS/IEC/2019/505	Dr. Arvind Kumar Morya	Associate Professor	Ophthalmology	A prospective randomized interventional open label study to compare the efficacy and safety of atropine 0.01% eye drops in controlling progression of myopia	Dr. Pradeep Diwedi	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
21	AIIMS/IEC/2019/1021	Dr. Surender Deora	Associate Professor	Cardiology	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment elevated myocardial infarction (STEMI) acute coronary syndrome (ACS) across selected districts of the country - A health implementation research project. (ICMR-STEMI-ACT)	Dr. Atul Kaushik	Resubmit Extramural ICMR	29th Meeting 22nd Aug, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
22	AIIMS/IEC/2019/917	Dr. Shashank Sekhar	Additional Professor	Obstetrics & Gynecology	Retrospective analysis of outcomes of Primary versus Interval debulking surgery in cases of Advanced Epithelial Carcinoma Ovary	Dr. Pratibha Singh Dr. Manu Goyal Dr. Charu Sharma Dr. Manisha Jhirwal Dr. Suchita Batra	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
23	AIIMS/IEC/2019/927	Dr. Navdeep Kaur Ghuman	Associate Professor	Obstetrics & Gynecology	Inter and Intra-observer agreement on Hysterosalpingography (HSG)	Dr. Pratibha Singh Dr. Pushpinder Khera	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
24	AIIMS/IEC/2019/930	Dr. Navdeep Kaur Ghuman	Associate Professor	Obstetrics & Gynecology	Comparison of Pain score bet'n Foleys catheter and Leichwilkinson cannula in Hysterosalpingography by Numerical rating scale- A Randomised control Trial	Dr. Pratibha Singh	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
25	AIIMS/IEC/2019/1022	Dr. Ramniwas	Assistant Professor	Pulmonary Medicine	Comparison of patient comfort during Endobronchial Ultrasound between Nasal versus Oral Route (EUNOR)- A Prospective Randomized Control study	Dr. Nishant Kumar Chauhan Dr. Naveen Dutt Dr. Gopal Chawla	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019
26	AIIMS/IEC/2018/626	Dr. Kirti Chaudhary	Assistant Professor	Dentistry	Six assisted improvement in reducing time to provide Emergency Root Canal therapy to patients reporting to outpatient clinic in Department of Dentistry	Dr. Shruti Khatana	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
27	AIIMS/IEC/2019/835	Dr. Kirti Chaudhary	Assistant Professor	Dentistry	The affect of oral rehabilitation under general anaesthesia on oral health related quality of life in Children	Dr. Arun Kumar Patnana	Non-Funded Re-submit	29th Meeting 22nd Aug, 2019

### 30<sup>th</sup> Meeting of Institutional Ethics committee held on 18<sup>th</sup> September, 2019

#### 15 Projects approved by Institutional Ethics Committee:-

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1050	Dr. Siddharth Sarkar	Assistant Professor	National Drug Dependence Treatment Centre, AIIMS New Delhi	Development and validation of an Indian instrument to assess severity of substance related problems	Dr. Naresh Nebhinani Dr. Mukesh Kumar Swami	ICMR, New Delhi Extramural	30th Meeting 18th Sept, 2019
2	AIIMS/IEC/2019/1048	Guide: Dr. Reeta Devi Ph.D Student : Mr. N.Sabari Vel	Assistant Professor	School of health sciences, IGNOU, New Delhi	Effectiveness of interactive guided imagery and mirror therapy on quality of life among patient with stroke	Dr. Nitesh Manohar Gonnade	College of Nursing Ph.D	30th Meeting 18th Sept, 2019
3	AIIMS/IEC/2019/1047	Dr. Pooja Ojha	Assistant Professor	Physiology	Electroencephalographic Analysis in Migraine clinical phenotypes	Dr. Samhita Panda	Non-Funded	30th Meeting 18th Sept, 2019
4	AIIMS/IEC/2019/1046	Dr. Priyanka Kathuria	Assistant Professor	Obstetrics & Gynecology	Prevalance and spectrum of major structural anomalies in fetuses and neonates at AIIMS, Jodhpur: Understanding the risk factors	Dr. Pratibha Singh; Dr. Garima Yadav Dr. Navdeep Kaur Ghuman Dr. Meenakshi Gothwal	Non-Funded	30th Meeting 18th Sept, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
5	AIIMS/IEC/2019/1044	Dr. Charu Sharma	Associate Professor	Obstetrics & Gynecology	Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary-A comparative analysis	Dr. Minakshi Gothwal Dr. Pratibha Singh; Dr. Shashank Shekhar Dr. Manisha Jhirwal Dr. Vibha Mishra	Non-Funded	30th Meeting 18th Sept, 2019
6	AIIMS/IEC/2019/1053	Dr. Shashank Shekhar	Additional Professor	Obstetrics & Gynecology	Laparoscopic Neo-Vaginoplasty: Single Centre Experience	Dr. Pratibha Singh Dr. Charu Sharma Dr. Minakshi Gothwal Dr. Manu Goyal Dr. Manisha Jhirwal Dr. Vibha Mishra	Non-Funded	30th Meeting 18th Sept, 2019
7	AIIMS/IEC/2019/1054	Dr. Bharat Paliwal	Associate Professor	Anaesthesiology & Critical Care	Preoperative fasting practices among health care workers- a single center observational study	Dr. Pradeep Bhatia Dr. Swati Chhabra	Non-Funded	30 <sup>th</sup> Meeting 18 <sup>th</sup> Sept, 2019
8	AIIMS/IEC/2019/1051	Dr. Manish Pathak	Additional Professor	Pediatric Surgery	Histopathological examination of testicular nubbin: Retrospective analysis	Dr. Rahul Saxena Dr. Arvind Sinha	Non-Funded	30 <sup>th</sup> Meeting 18 <sup>th</sup> Sept, 2019
9	AIIMS/IEC/2019/873	Dr. Bharti Mehta	Additional Professor	Physiology	Prevalance of Metabolically Healthy obese (MHO) and its association with Sleep quality in obese Adults of Jodhpur	Dr. Pankaja Raghav Dr. Arani Das Dr. Naveen Dutt Dr. Shailja Sharma	Resubmitted Intramural 2018-19	30 <sup>th</sup> Meeting 18 <sup>th</sup> Sept, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
10	AIIMS/IEC/2019/1035	Dr. Darwin Kaushal	Assistant Professor	Otorhinolaryngology	Minion to Monster: Spectrum of papillary carcinoma and lessons learnt	Dr. Amit Goyal Dr. Bikram Choudhury Dr. Kapil Soni Dr. Vidhu Sharma	Non-Funded Re-submit	30th Meeting 18th Sept, 2019
11	AIIMS/IEC/2019/1023	Dr. Neha Agrawal	Senior Resident	Obstetrics & Gynecology	The measurements of 'normal vulva' of Indian women: a cross-sectional prospective study	Dr. Pratibha Singh; Dr. Navdeep Kaur Ghuman Dr. Charu Sharma Dr. Garima Yadav; Dr. Meenakshi Gothwal Dr. Manisha Jhirwal	Non-Funded Re-submit	30th Meeting 18th Sept, 2019
12	AIIMS/IEC/2018/718	Dr. Manu Goyal	Assistant Professor	Obstetrics & Gynecology	Comparison of different routes of hysterectomy in terms of indications and complications: A retrospective study	Dr. Pratibha Singh Dr. Shashank Shekhar	Non-Funded Re-submit	30th Meeting 18th Sept, 2019
13	AIIMS/IEC/2019/1037	Dr. Manish Pathak	Associate Professor	Pediatric Surgery	Surgical outcome of the Robotic assisted laparoscopic surgery: Retrospective analysis	Dr. Rahul Saxena Dr. Arvind Sinha	Non-Funded Re-submit	30th Meeting 18th Sept, 2019
14	AIIMS/IEC/2019/1038	Dr. Manish Pathak	Associate Professor	Pediatric Surgery	Surgical outcome of the thoracoscopic assisted repair of H Type Tracheo-esophageal Fistula: Retrospective analysis	Dr. Rahul Saxena Dr. Arvind Sinha	Non-Funded Re-submit	30th Meeting 18th Sept, 2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
15	AIIMS/IEC/2019/1036	Dr. Kirtikumbar Rathod	Associate Professor	Pediatric Surgery	To evaluate the effect of haemostatic measure like tourniquet use and local injection of adrenaline in hypospadias surgery by histopathology and biochemistry in Pediatric population	Dr. Praveen Sharma Dr. Punm Elhence Dr. Arvind Sinha; Dr. Avinash Jadhav Dr. Mnish Pathak Dr. Rahul Saxena	Non-Funded Re-submit	30th Meeting 18th Sept, 2019

**31<sup>st</sup> Meeting of Institutional Ethics committee held on 22<sup>nd</sup> October, 2019  
13 Projects approved by Institutional Ethics Committee:-**

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1066	Dr. Pankaj Bhardwaj	Additional Professor	CM&FM	Situational Analysis of Health Care Facility and Community Preparedness for Implementing Govt. of India guidelines for Gestational Diabetes Mellitus (An ICMR Task Force Study)	Dr. Manoj Gupta Dr. Akhil Dhanesh Goel	Extramural ICMR	31st Meeting 22-10-2019
2	AIIMS/IEC/2019/1062	Dr. Anuradha Sharma	Additional Professor	Microbiology	Fungal isolates from a tertiary care hospital of Western Rajasthan	Dr. Kumar S Abhishek Dr. Vijaya Lakshmi Nag; Dr. Arghadip Samadar	Non-Funded	31st Meeting 22-10-2019
3	AIIMS/IEC/2019/1057	Dr. Ravisekhar Gadepalli	Associate Professor	Microbiology	Trend of Dengue Seropositivity Among Suspected Cases Attending a Teaching Hospital in Western Rajasthan, India (Retrospective study)	Dr. Jitu Mani Kalita Dr. Vijaya Lakshmi Nag	Non-Funded	31st Meeting 22-10-2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
4	AIIMS/IEC/2019/1056	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Microbiological Profile of Pyogenic Infections in patients attending AIIMS, Jodhpur (Retrospective study)	Dr. Sarika Kumbade Dr. Jitu Mani Kalita Dr. Kavita Yedale	Non-Funded	31st Meeting 22-10-2019
5	AIIMS/IEC/2019/1058	Dr. Ramniwas Jalandra	Assistant Professor	Pulmonary Medicine	Adult airway foreign body aspirations-A retrospective observational study	Dr. Nishant Chauhan Dr. Naveen Dutt Dr. Kunal Deokar Dr. Shahir Asfahan	Non-Funded	31st Meeting 22-10-2019
6	AIIMS/IEC/2019/1064	Dr. Pravin Kumar	Professor & Head	Dentistry	Survey for awareness and willingness of patients different age groups (20-30yrs and 36-50 yrs > 51 yrs) for implant treatment of missing teeth visiting a tertiary care Centre, AIIMS, Jodhpur	Dr. Rajshree Bhandari Dr. Ankita Chugh	Non-Funded	31st Meeting 22-10-2019
7	AIIMS/IEC/2019/1063	Dr. Pravin Kumar	Professor & Head	Dentistry	Knowledge, attitude and practices of Parents towards importance of Primary teeth-A Questionnaire Survey in a tertiary care centre	Dr. Kanupriya Rathore Dr. Ankita Chugh	Non-Funded	31st Meeting 22-10-2019
8	AIIMS/IEC/2019/1065	Dr. Renu Gupta	Associate Professor	Anatomy	Morphometry of Anterior Cruciate Ligament in Knee joint-A Cadaveric Study	Dr. Ashish Kumar Nayyar Dr. Dushyant Agarwal Dr. Surajit Ghatak	Non-Funded	31st Meeting 22-10-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
9	AIIMS/IEC/2019/1029	Dr. Puneet Setia	Professor & Head	Forensic Medicine	Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP 5 gene	Dr. Purvi Purohit Dr. Naresh Nebhinni Dr. P.P.Sharma	Resubmit Extramural DHR-ICMR	31st Meeting 22-10-2019
10	AIIMS/IEC/2019/1032	Dr. Darwin	Associate Professor	Otorhinolaryngology (ENT)	Primary stenting vs no stenting in Endoscopic Dacrocystorhinostomy: A Randomized controlled trial	Dr. Seema Meena Dr. Amit Goyal Dr. Bikram Choudhry Dr. Kapil Soni Dr. Nithin Prakasan Nair	Non-Funded Re-submit	31st Meeting 22-10-2019
11	AIIMS/IEC/2019/909	Dr. Mahendra Lodha	Associate Professor	General Surgery	Clinical test for groin hernia in today's era	Dr. Mayank Badukar	Non-Funded Re-submit	31st Meeting 22-10-2019
12	AIIMS/IEC/2019/1049	Dr. Pratibha Gehlawat	Assistant Professor	Psychiatry	Assessment of behavioural and temperamental problems in children of parents with opioid dependence in a tertiary care centre in western Rajasthan	Dr. Vijay Kumar Saini Dr. Archish Khivsara	Non-Funded Re-submit	31st Meeting 22-10-2019
13	AIIMS/IEC/2019/1075	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Expansion of antimicrobial stewardship (AMSP) and infection control program (ICP) of ICMR in secondary care hospitals	Dr. Pankaj Bhardwaj Dr. Gopal Krishna Bohra Dr. Vibhor Tak Dr. Deepak Sharma Dr. Vidhi Jain	Extramural ICMR	31st Meeting 22-10-2019

**32<sup>nd</sup> Meeting of Institutional Ethics committee held on 23<sup>rd</sup> December, 2019**  
**73 Projects approved by Institutional Ethics Committee:-**

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1103	Guide: Dr.Dharamveer Yadav Student: Dr.Amandeep Birdi	Associate Professor	Biochemistry	Role of miRNA in Regulation of $\alpha$ -Klotho Gene Expression and its Circulatory Levels in Schizophrenia	Dr.Praveen Sharma, Dr.Naresh Nebhinani, Dr.Purvi Purohit, Dr.Mithu Banerjee, Dr.Prasenjit Mitra & Dr. Tanu Gupta	M.D. Thesis	32nd Meeting 23-12-2019
2	AIIMS/IEC/2019/1107	Guide: Dr.Mithu Banerjee Student: Kavya Gauba	Additional Professor	Biochemistry	Superoxide Dismutase Gene Polymorphism and enzyme activity in Drug Induced Liver Injury patients on Anti-tubercular treatment	Dr.Praveen Sharma, Dr.Vijaya Lakshmi Nag, Dr.Dharmveer Yadav & Dr. Naveen Dutt	M.Sc. Thesis	32nd Meeting 23-12-2019
3	AIIMS/IEC/2019/1096	Guide: Dr.Puneet Setia Student: Dr.Sahil Thakral	Additional Professor	Forensic Medicine and Toxicology	A pilot study to analyse post-mortem interval by serial estimation of expression of autophagy and cardiac muscle specific genes	Dr.Purvi Purohit Dr.Vikas P Meshram Dr. Arvind Sinha	M.D.Thesis	32nd Meeting 23-12-2019
4	AIIMS/IEC/2019/1117	Guide: Dr.Rajesh Kumar Sharma Student: Dr.Rupesh Andani	Professor	Physiology	Evaluation of relationship between pre-operative cardiac autonomic function and perioperative hypotension in type-2 diabetes mellitus patients undergoing elective surgery	Dr.Pradeep Kumar Bhatia Dr.Shival Srivastav	M.D.Thesis	32nd Meeting 23-12-2019
5	AIIMS/IEC/2019/1108	Guide: Dr.Bharati Mehta Student: Ritika Sharma	Additional Professor	Physiology	Effect of music during chemotherapy on quality of sleep in breast cancer patients	Dr.Puneet Pareek Dr.Pooja Ojha	M.Sc.Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
6	AIIMS/IEC/2019/1125	Guide: Dr.Charu Sharma Student: Dr.Nitesh C.	Associate Professor	Obstetrics & Gynecology	Comparison of the expulsion rate of intra uterine contraceptive device Cu T 375 and Copper T 380 A after post placental and early postpartum insertion - A randomized control trial	Dr.Shashank Shekhar Dr.Pratibha Singh Dr.Manisha Jhirwal Dr.Meenakshi Gothwal	M.D. Thesis	32nd Meeting 23-12-2019
7	AIIMS/IEC/2019/1104	Guide: Dr.Subhash Chandra Soni Student: Dr.Raghav Nayar	Assistant Professor	Surgical Gastroenterology	Robotic assisted versus thoracoscopic assisted minimally invasive esophagectomy in carcinoma esophagus- a pilot study	Dr.Ashok Kumar Puranik Dr.Vaibhav Kumar Varshney Dr.Deepak Vedant	M.Ch. Thesis	32nd Meeting 23-12-2019
8	AIIMS/IEC/2019/1126	Guide: Dr.Meenakshi Rao Student: Dr.Anju.G	Associate Professor	Pathology	Expression of programmed cell death ligand 1 (PD-L1) and mismatch repair status in squamous cell carcinoma of cervix	Dr.Poonam Elhence Dr.Aasma Nalwa Dr.Pratibha Singh	M.D. Thesis	32nd Meeting 23-12-2019
9	AIIMS/IEC/2019/1127	Guide: Dr.Shashank Shekhar Student: Dr.Aashim Garg	Additional Professor	Obstetrics & Gynecology	Delayed cord clamping versus umbilical cord milking in term and near term neonates - A randomized controlled trial	Dr.Neeraj Gupta Dr.Pratibha Singh Dr.Manu Goyal Dr.Manisha Jhirwal Dr. Prasenjit Mitra	M.D. Thesis	32nd Meeting 23-12-2019
10	AIIMS/IEC/2019/1128	Guide: Dr. Manu Goyal Student: Dr.Shafaq Bhandari	Associate Professor	Obstetrics & Gynecology	Comparison of staples versus subcuticular sutures for skin closure in caesarean section- A Randomized controlled study	Dr.Pratibha Singh Dr.Shashank Shekhar	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
11	AIIMS/IEC/2019/1103	Guide: Dr.Vaibhav Kumar Varshney Student: Dr.Ashish Swami	Assistant Professor	Surgical Gastro-enterology	Analysis of KRAS and HER2 mutations with their clinico-pathological relation in periampullary carcinoma undergoing pancaetoduodenectomy	Dr.Subash Chandra Soni Dr.Poonam Elhence Dr.Shilpi Gupta Dixit Dr.Ashok Kumar Puranik	M.Ch. Thesis	32nd Meeting 23-12-2019
12	AIIMS/IEC/2019/1122	Guide: Dr.Sudeep Khera Student: Dr.Kartik Jain	Assistant Professor	Pathology	Assessment of diagnostic accuracy of urine and bladder wash cytology in urinary bladder malignancy	Dr.Poonam Elhence Dr.Vikram Vishwajeet Dr.Gautam R Choudhry Dr.Himanshu Pandey	M.D. Thesis	32nd Meeting 23-12-2019
13	AIIMS/IEC/2019/1129	Guide: Dr.Pratibha Singh Student: Dr. Bikash Choudhary	Professor & Head	Obstetrics & Gynecology	Comparison between ultrasonography and hysteroscopy for assessment of endometrial pathology in women with abnormal uterine bleeding	Dr.Garima Yadav Dr.Charu Sharma Dr.Meenakshi Gothwal Dr.Meenakshi Rao Dr.Priyanka Kathuria	M.D. Thesis	32nd Meeting 23-12-2019
14	AIIMS/IEC/2019/1130	Guide: Dr.Kavita R. Bhatnagar Student: Dr.Shadman Parveen	Professor & Head	Ophthalmology	Retinal thickness variation in patients with Gestational Diabetes Mellitus	Dr.Pratibha Singh Dr.Seema Meena	M.D. Thesis	32nd Meeting 23-12-2019
15	AIIMS/IEC/2019/1131	Guide: Dr.Kavita R. Bhatnagar Student: Dr.Sakshi Shiromani	Professor & Head	Ophthalmology	A study of retinal changes in women with Polycystic Ovarian Syndrome	Dr.Pratibha Singh Dr.Suwarna Suman	M.D. Thesis	32nd Meeting 23-12-2019
16	AIIMS/IEC/2019/1132	Guide: Dr.Jagdish Prasad Goyal Student: Dr.Sarita Choudhary	Additional Professor	Pediatrics	Relationship between high serum periostin and asthma control in children	Dr.Prawin Kumar Dr.Mithu Banerjee Dr.Kuldeep Singh	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
17	AIIMS/IEC/2019/1133	Guide: Dr. M.K. Garg Student: Dr. Tejasw ee Banavathu	Professor	General Medicine	The Study of Prevalence of Idiopathic CD4 T cell lymphocytopenia in HIV negative patients with disseminated infections	Dr. Deepak Kumar Dr. Satyendra Khichar Dr. Abhishek Purohit	M.D. Thesis	32nd Meeting 23-12-2019
18	AIIMS/IEC/2019/1134	Guide: Dr. Ashwani Aggarwal Student: Dr. Zeeshaan Noore Azim	Additional Professor	Microbiology	To study the incidence and etiology of ventilator associated events in cases admitted in adult ICU in a tertiary care centre in western Rajasthan	Dr. Vijaya Lakshmi Nag Dr. Pradeep Kumar Bhatia Dr. Mahendra Kumar Garg	M.D. Thesis	32nd Meeting 23-12-2019
19	AIIMS/IEC/2019/1135	Guide: Dr. M.K. Garg Student: Dr. Kartikey Saini	Professor	General Medicine	Clinical profile and outcomes of patients with diabetic ketoacidosis in a tertiary care hospital in western Rajasthan	Dr. Maya Gopalakrishnan	M.D. Thesis	32nd Meeting 23-12-2019
20	AIIMS/IEC/2019/1136	Guide: Dr. Jaykaran Charan Student: Dr. Sanchi Sukhija	Additional Professor	Pharmacology	Circulating miRNA-21 levels in breast cancer patients before and after chemotherapy and its association with clinical improvement	Dr. Sneha Ambwani Dr. Praveen Sharma Dr. Poonam Abhay Elhence Dr. Purvi Purohit Dr. Puneet Pareek Dr. Jeewan Ram Vishnoi Dr. Shoban Babu Varthya	M.D. Thesis	32nd Meeting 23-12-2019
21	AIIMS/IEC/2019/1137	Guide: Dr. Anil Budania Student: Dr. Sahiba Rafi	Assistant Professor	Dermatology, Venereology & Leprology	Efficacy and safety of diode laser for facial hair reduction in hirsutism--A clinical and trichoscopic evaluation	Dr. Abhishek Bhardwaj Dr. Soaurabh Singh Dr. Anupama Bains	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
22	AIIMS/IEC/2019/1138	Guide: Dr.Himanshu Pandey Student: Dr.Nikita Shrivastava	Associate Professor	Urology	Comparison of safety and efficacy of tamsulosin and tadalafil in the treatment of double-J stent-related urinary tract symptoms	Dr. Gautam Ram Choudhary Dr.Mahendra Singh Dr. Vijay Kumar Sarma Madduri Dr. Arvind Sinha	M.Ch. Thesis	32nd Meeting 23-12-2019
23	AIIMS/IEC/2019/1139	Guide: Dr.Sneha Ambawani Student: Dr.T. Abisha	Professor & Head	Pharmacology	Association of glycaemic response of Dipeptidyl peptidase-4 (DPP-4) inhibitors with KCNQ1 gene polymorphism in type II diabetes mellitus patients	Dr.Mahendra Kumar Garg Dr.Pradeep Dwivedi Dr.Shoban Babu Varthya	M.D. Thesis	32nd Meeting 23-12-2019
24	AIIMS/IEC/2019/1140	Guide: Dr.Saurabh Singh Student: Dr. Neelam Chhajed	Associate Professor	Dermatology, Venereology & Leprology	Efficacy of platelet rich plasma therapy in patients of melasma:A single-blinded placebo controlled randomized study	Dr.Abhishek Bhardwaj Dr. Anil Budania Dr.Anupama Bains Dr.Saptarshi Mandal	M.D. Thesis	32nd Meeting 23-12-2019
25	AIIMS/IEC/2019/1141	Guide: Dr.Poonam Abhay Elhence Student: Dr.Ismetara Begam	Professor & Head	Pathology	Expression of Pit-1, SF-1, Ki-67 labelling index in correlation with immunohistochemical expression of hormonal markers in pituitary adenomas	Dr.Sudeep Khara Dr. Deepak Vedant Dr.Madhukar Mittal Dr. Mayank Garg	M.D. Thesis	32nd Meeting 23-12-2019
26	AIIMS/IEC/2019/1142	Guide:Dr. Abhay Elhence Student: Dr.G.Lakshmi Prasad	Professor & Head	Orthopaedics	Correlation of functional outcome evaluation scores in total knee arthroplasty patients	Dr. Sumit Banerjee Dr. Nilesh Barwar	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
27	AIIMS/IEC/2019/1143	Guide: Dr. Ravi Gaur Student: Dr. Merrin Meria Mathew	Associate Professor	Physical Medicine and Rehabilitation	Efficacy of dexamethasone versus triamcinolone injection in patients with carpal tunnel syndrome, a randomized control trial	Dr. Nitesh Gonnade Dr. Pushpinder Khera	M.D. Thesis	32nd Meeting 23-12-2019
28	AIIMS/IEC/2019/1144	Guide: Dr. Prawin Kumar Student: Dr. Lekshmi SH	Associate Professor	Pediatrics	Effect of long term inhaled corticosteroids on hypothalamic-pituitary adrenal axis in children with asthma	Dr. Kuldeep Singh Dr. Jagdish Prasad Goyal Dr. Varuna Vyas	M.D. Thesis	32nd Meeting 23-12-2019
29	AIIMS/IEC/2019/1145	Guide: Dr. Sarika P Kumbade Student: Dr. Aditya Kundu	Assistant Professor	Microbiology	Microbiological study of anaerobic and aerobic isolates from deep seated infections in patients attending a tertiary care hospital in western Rajasthan	Dr. Vijaya Lakshmi Nag; Dr. Amit Goyal Dr. Ramkaran Chaudhary Dr. Naveen Dutt Dr. Kirti Chaudhary Dr. Vaibhav Kumar Varshney	M.D. Thesis	32nd Meeting 23-12-2019
30	AIIMS/IEC/2019/1123	Guide: Dr. Madhukar Mittal Student: Dr. Vanishri Ganakumar	Additional Professor	Endocrinology and metabolism	Correlation of glycemic profile by continuous glucose monitoring with HbA1c and meal patterns in type 2 diabetic individuals	Dr. Mahendra Kumar Garg Dr. Purvi Purohit Dr. Gopal Krishana Bohra Dr. Ravindra Shukla	D.M. Thesis	32nd Meeting 23-12-2019
31	AIIMS/IEC/2019/1146	Guide: Dr. Samhita Panda Student: Dr. Patel Apoorv Dahyabhai	Additional Professor	Neurology	Clinical, electrophysiological and serological markers in patients with Guillain-Barre Syndrome	Dr. Mahendra Kumar Garg	D.M. Thesis	32nd Meeting 23-12-2019
32	AIIMS/IEC/2019/1147	Guide: Dr. Samhita Panda Student: Dr. Monalisa Vegda	Additional Professor	Neurology	Optical coherence tomography profile in patients of central immune mediated demyelinating diseases	Dr. Kavita Bhatnagar	D.M. Thesis	32nd Meeting 23-12-2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
33	AIIMS/IEC/2019/1148	Guide: Dr. Kuldeep Singh Student: Dr. Chityala Ashwini	Professor & Head	Paediatrics	Clinical and etiological profile of community acquired pneumonia in 1-36 months of age group	Dr. Prawin Kumar Dr. Varuna Vyas Dr. Vijaya Lakshmi Nag	M.D. Thesis	32nd Meeting 23-12-2019
34	AIIMS/IEC/2019/1149	Guide: Dr. Nitesh Gahlot Student: Dr. Sheikh Azhruddin	Associate Professor	Orthopaedics	Effect of platelet rich plasma on healing of labrum following arthroscopic bankart repair	Dr. Abhay Elhence Dr. Pawan Garg Dr. Saptarshi Mandal	M.S. Thesis	32nd Meeting 23-12-2019
35	AIIMS/IEC/2019/1109	Guide: Dr. Vinay Kumar Chugh Student: Dr. R. Baskar	Additional Professor	Orthopaedics	Loop vs continuous mechanics for ectopic canine alignment in orthodontic patients: A randomized control trial	Dr. Pravin Kumar	M.D.S. Thesis	32nd Meeting 23-12-2019
36	AIIMS/IEC/2019/1110	Guide: Dr. Vinay Kumar Chugh Student: Dr. Vaghela Niraj Himmatlal	Additional Professor	Orthopaedics	Evaluation of salivary biomarkers in orthodontic patients with recent and healed extraction sites during enmasse retraction-A pilot study	Dr. Mithu Banerjee Dr. Pravin Kumar	M.D.S. Thesis	32nd Meeting 23-12-2019
37	AIIMS/IEC/2019/1150	Guide: Dr. Neeti Rustagi Student: Dr. Shamia Abdul Jabbar	Additional Professor	CMFM	Effect of biomass fuel use on respiratory morbidities among women and under five children in rural Jodhpur	Dr. Suman Saurabh Dr. Naveen Dutt Dr. Prawin Kumar	M.D. Thesis	32nd Meeting 23-12-2019
38	AIIMS/IEC/2019/1151	Guide: Dr. Srikanth S Student: Dr. G. Vetrivel	Associate Professor	CMFM	Assessment of the child health services in rural Jodhpur - A mixed methods approach	Dr. Manoj Kumar Gupta Dr. Prasanna Thirunavukkarasu	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
39	AIIMS/IEC/2019/1114	Guide: Dr. Daisy Khera Student: Dr. Pujitha Vallabhaneni	Additional Professor	Paediatrics	Protocolized sedation utilizing the COMFORT-B scale versus non-protocol-directed sedation in mechanically ventilated children- a randomized control trial	Dr.Kuldeep Singh Dr.Bharat Choudhary	M.D.The sis	32nd Meeting 23-12-2019
40	AIIMS/IEC/2019/1152	Guide: Dr.Darwin Kaushal Student: Dr.Pankaj Kumar	Associate Professor	Otorhino-laryngology	Correlation of preoperative tumor size with post-operative histopathological prognostic indicators in patients with differentiated thyroid carcinoma	Dr.Amit Goyal Dr.Bikram Choudhury Dr.Kapil Soni Dr.Poonam Elhence Dr.Pushpind ra Khera Dr.Binit Sureka	M.S.The sis	32nd Meeting 23-12-2019
41	AIIMS/IEC/2019/1153	Guide: Dr.Bikram Choudhary Student: Dr.Sancha ri Nandi	Additional Professor	Otorhino-laryngology	Surgical outcomes following the use of cavitron ultrasonic surgical aspirator (CUSA) versus the use of Kerrison's bone punch in patients with chronic dacryocystitis undergoing endoscopic endonasal dacryocystorhinostomy	Dr.Kavita Bhatnagar Dr.Amit Goyal Dr.Kapil Soni Dr.Darwin Kaushal	M.S.The sis	32nd Meeting 23-12-2019
42	AIIMS/IEC/2019/1154	Guide: Dr.Kapil Soni Student: Dr.Abir Chowdhury	Associate Professor	Otorhino-laryngology	Comparison of pre and post operative nasal anthropometric measurements in patients undergoing primary rhinoplasty	Dr.Amit Goyal Dr.Bikram Choudhury Dr.Darwin Kaushal	M.S.The sis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
43	AIIMS/IEC/2019/1155	Guide: Dr. Pratibha Gehlawat Student: Dr. Isha Kaur Arora	Assistant Professor	Psychiatry	Executive functions in children with attention deficit hyperactivity disorder and healthy controls: A comparative study	Dr. Naresh Nebhinani Dr. Navratan Suthar Dr. Tanu Gupta	M.D. Thesis	32nd Meeting 23-12-2019
44	AIIMS/IEC/2019/1119	Guide: Dr. Gautam Ram Choudhary Student: Dr. Gaurav Baid	Associate Professor	Urology	Safety and short-term efficacy of chemohormonal therapy in hormone sensitive metastatic prostate cancer	Dr. Vijay Kumar Sarma Madduri Dr. Puneet Pareek Dr. Arvind Sinha Dr. Mahendra Singh Dr. Himanshu Pandey	M.Ch. Thesis	32nd Meeting 23-12-2019
45	AIIMS/IEC/2019/1156	Guide: Dr. Ravindra Shukla Student: Dr. Parul Gupta	Associate Professor	Endocrinology	Effect of whatsapp based diabetes education and instructions on glycemic status, knowledge, quality of life and coping skills in patients of type 1 diabetes mellitus: a randomized controlled trial	Dr. M.K. Garg Dr. Madhukar Mittal Dr. Varuna Vyas	D.M. Thesis	32nd Meeting 23-12-2019
46	AIIMS/IEC/2019/1157	Guide: Dr. Ankita Chugh Student: Dr. Shivkumar Suresh Chopane	Additional Professor	Dentistry	Efficacy of platelet rich plasma with arthrocentesis in chronic degenerative diseases of temporomandibular joint-a randomized control trial	Dr. Nitesh Gonnade Dr. Pushpinder Khera Dr. Mithu Banerjee Dr. Kirti Chaudhry Dr. Pravin Kumar	M.D.S. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
47	AIIMS/IEC/2019/1158	Guide: Dr.Kirti Chaudhary Dutt Student: Dr.Aparna G	Associate Professor	Dentistry	Placental extract gel embedded collagen membrane over buccal fat pad vs Collagen membrane over buccal fat pad in management of oral submucous fibrosis-a randomised controlled trial	Dr. Ankita Chugh Dr.Pravin Kumar	M.D.S. Thesis	32nd Meeting 23-12-2019
48	AIIMS/IEC/2019/1159	Guide: Dr.Pawan Kumar Garg Student: Dr.Adarsh Ishwar Hegde	Associate Professor	Radiology	Clinicoradiological assessment and treatment outcome of non-visceral vascular malformations	Dr.Pushpinder Singh Khera Dr.Daisy Khera Dr.Kirti Kumar J Rathod Dr. Prakash Chandra Kala Dr.Darwin Dr.Sarbesh Tiwari	M.D.Thesis	32nd Meeting 23-12-2019
49	AIIMS/IEC/2019/1160	Guide: Dr.Puneet Pareek Student: Dr.Mukul Choubisa		Radiation Oncology	Quality of life in patients receiving dysphagia optimized intensity modulated radiotherapy (Do-IMRT) in head and neck cancers	Dr.Jeewan Ram Dr. Amit Goyal Dr. Darwin	M.D.Thesis	32nd Meeting 23-12-2019
50	AIIMS/IEC/2019/1161	Guide: Dr.Puneet Pareek Student: Dr.Sanjay Santhyavu	Additional Professor	Radiation Oncology	Quality of life in patients receiving palliative sequential metronomic chemotherapy and radiotherapy in advanced and recurrent head and neck cancers	Dr.Amit Goyal Dr.Jeewan Ram Dr. Darwin	M.D.Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
51	AIIMS/IEC/2019/1162	Guide: Dr. Pushpinder Singh Khera Student: Dr. Saurabh Badgurjar	Additional Professor	Radiology	A study of demographic factors and treatment outcome in patients with primary varicose veins of lower limb	Dr. Pawan Garg Dr. Ashok Purnaik Dr. Sarbesh Tiwari Dr. Ramkaran Chaudhry Dr. Nitesh Manohar Gonnade	M.D. Thesis	32nd Meeting 23-12-2019
52	AIIMS/IEC/2019/1111	Guide: Dr. Manoj Kamal Student: Dr. Somya Goel	Additional Professor	Anaesthesiology and Critical Care	Comparison of quality of life in patients treated with genicular nerve radiofrequency ablation with and without duloxetine in chronic knee osteoarthritis: A prospective randomized controlled study	Dr. Pradeep Kumar Bhatia D. Abhay Elhence Dr. Bharat Paliwal	M.D. Thesis	32nd Meeting 23-12-2019
53	AIIMS/IEC/2019/1120	Guide: Dr. Shilpa Goyal Student: Dr. Annas V P	Additional Professor	Anaesthesiology and Critical Care	Effect of duration of preoperative fasting on the incidence of emergence delirium in paediatric patients during recovery from general anesthesia: A randomized controlled trial	Dr. Pradeep Kumar Bhatia Dr. Arvind Sinha Dr. Nikil Kothari Dr. Kamlesh Kumari	M.D. Thesis	32nd Meeting 23-12-2019
54	AIIMS/IEC/2019/1116	Guide: Dr. Pradeep Bhatia Student: Dr. Anjana Ramachandran	Professor & Head	Anaesthesiology and Critical Care	Gastric insufflation with high flow nasal oxygen in patients of obstructive airway diseases: An observational study	Dr. Nishant Chauhan Dr. Sadik Mohammed Dr. Swati Chhabra Dr. Gopal Krishna Bohra	M.D. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
55	AIIMS/IEC/2019/1115	Guide: Dr.Nikhil Kothari Student: Dr.Shipra Roy	Additional Professor	Anaesthesiology and Critical Care	Comparing the diagnostic accuracy of presepsin and procalcitonin for sepsis in critically ill patients: A prospective observational study	Dr.Pradeep Kumar Bhatia Dr.Praveen Sharma Dr.Ankur Sharma Dr.Shrimanj unath Sankanagou dar	M.D.The sis	32nd Meeting 23-12-2019
56	AIIMS/IEC/2019/1121	Guide: Dr.Rakesh Kumar Student: Dr.Venkata Prem Kumar Sangamala	Associate Professor	Anaesthesiology and Critical Care	Comparison of cuff inflation conventional technique for nasotracheal intubation using C-MAC video laryngoscope.: A prospective randomised controlled trial	Dr.Pradeep Kumar Bhatia Dr.Manoj Kamal Dr.Sadik Mohammed	M.D.The sis	32nd Meeting 23-12-2019
57	AIIMS/IEC/2019/1163	Guide: Dr.Sadik Mohammed Student: Dr.Priyadarshan A M	Associate Professor	Anaesthesiology and Critical Care	Efficacy of continuous erector spinae plane block versus intravenous patient controlled analgesia following spine surgery: An open label RCT	Dr.Pradeep Kumar Bhatia Dr.Swati Chhabra Dr. Deepak Jha	M.D.The sis	32nd Meeting 23-12-2019
58	AIIMS/IEC/2019/1164	Guide: Dr.Binti Sureka Student: Dr.Thomas George	Associate Professor	Radiology	Visceral to subcutaneous fat ratio determined using computed tomography as a predictor of multiple metabolic risk factors in subjects with normal waist circumference	Dr. Binit Sureka Dr. Pushpinder Singh Khara Dr.Mahendra Kr Garg Dr.Mithu Banerjee Dr.Surender Deora Dr.Ravinder Shukla	M.D.The sis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
59	AIIMS/IEC/2019/1165	Guide: Dr. Priyanka Sethi Student: Dr. Markandeey Prasad	Assistant Professor	Anaesthesiology and Critical Care	Effect of music on anxiety and physiologic parameters in patients posted for surgery under regional nerve blocks: A Randomized control trial	Dr. Pradeep Kumar Bhatia Dr. Ankur Sharma Dr. Kamlesh Chaudhary	M.D. Thesis	32nd Meeting 23-12-2019
60	AIIMS/IEC/2019/1166	Guide: Dr. Mahaveer Singh Lodha Student: Dr. Netrananda Acharya	Additional Professor	General Surgery	Predicting the outcome of chest injury patients by Thorax Trauma Severity Score at AIIMS Jodhpur: An observational study	Dr. Ashok Kr Puranik Dr. Naveen Sharma Dr. Ramkarn Chaudhary Dr. Mahendra Lodha Dr. Satya Prakash Meena	M.S. Thesis	32nd Meeting 23-12-2019
61	AIIMS/IEC/2019/1167	Guide: Dr. Mahendra Lodha Student: Dr. Darshan Patel	Associate Professor	General Surgery	Assessment of quality of life after ventral hernia repair: A prospective observational study at tertiary care centre	Dr. Ashok Puranik Dr. Mahaveer Singh Rodha Dr. Mayank Badkur	M.S. Thesis	32nd Meeting 23-12-2019
62	AIIMS/IEC/2019/1168	Guide: Dr. Ashok Puranik Student: Dr. Anupam Singh Chauhan	Professor & Head	General Surgery	Clinical profile and evaluation of outcomes of symptomatic gallstone disease in the senior citizen population	Dr. Ramkarn Chaudhary Dr. Poonam Elhence Dr. Pawan Garg	M.S. Thesis	32nd Meeting 23-12-2019
63	AIIMS/IEC/2019/1169	Guide: Dr. Rahul Saxena Student: Dr. Somya Bhatt	Associate Professor	Paediatric Surgery	Comparison of clinical diagnosis with the intraoperative findings for severity of appendicitis in children	Dr. Arvind Sinha Dr. Manish Pathak; Dr. Kirtikumar J Rathod Dr. Avinash Jadav	M.Ch. Thesis	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
64	AIIMS/IEC/2019/1170	Guide: Dr.Manish Pathak Student: Dr. Revathy Menon	Additional Professor	Paediatric Surgery	Determining the clinical value of routine post-operative follow up in common pediatric surgical conditions	Dr. Arvind Sinha Dr. Rahul Saxena Dr. Kirtikumar J Rathod Dr. Avinash.S.J adav Dr. Manoj Kumar Gupta	M.Ch. Thesis	32nd Meeting 23-12-2019
65	AIIMS/IEC/2019/1124	Guide: Dr.Archan Bajpyee Student: Dr.Pallavi Singh	Additional Professor	Transfusion Medicine and Blood Bank	Implementation of patient blood management strategies and its close monitoring as a quality improvement practice in elective surgical patients	Dr. Mahendra Kr Garg; Dr. Pradeep Kr Bhatia; Dr. Ashok Kr Puranik; Dr. Abhay Elhence; Dr. Poonam Elhence; Dr. Deepak Kr Jha; Dr. Amit Goyal Dr. Alok Kr Sharma; Dr. Gautam Ram Choudhary Dr. Jayakumar Dr. Vaibhav Kr Varshney	M.D.Thesis	32nd Meeting 23-12-2019
66	AIIMS/IEC/2019/1106	Guide: Dr.Tanuj Kanchan Student: Ms.Varsha Warriar	Additional Professor	Forensic Medicine and Toxicology	Computed tomographic analysis of the human pelvis for age estimation in Western Rajasthan, India	Dr. Shilpi Gupta Dixit	Ph.D. Thesis	32nd Meeting 23-12-2019
67	AIIMS/IEC/2019/1171	Guide: Dr.Naveen Sharma Student: Dr.Kollanur Charan	Professor	General Surgery	An observational study to assess the outcome and complications of abdominal trauma in a tertiary hospital	Dr. Ramkaran Chaudhary Dr. Arvind Sinha	M.S.Thesis	32nd Meeting 23-12-2019



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
68	AIIMS/IEC/2019/1084	Guide: Dr. Vijaya Lakshmi Nag Student: Mr. Anshuman Garg	Professor & Head	Microbiology	Molecular profiling, sequencing and global phylogenetic comparison of Epstein Barr Virus from clinical sample of cases attending a tertiary care hospital in western Rajasthan	Dr. Ravi Sekhar Gadepalli	Ph.D. Thesis	32nd Meeting 23-12-2019
69	AIIMS/IEC/2019/1172	Guide: Dr. Taruna Yadav Student: Vatsala Veerendra	Assistant Professor	Diagnostic and Interventional Radiology	Validation of VI-RADS for urinary bladder cancer on Multiparametric 3T MRI and Histopathological correlation	Dr. Pushpinder Singh Khera Dr. Binit Sureka; Dr. Poonam Elhence; Dr. Gautam Ram Choudhary Dr. Himanshu Pandey	M.D. Thesis	32nd Meeting 23-12-2019
70	AIIMS/IEC/2019/1173	Guide: Dr. Saptarshi Mandal  Student: Dr. Richa Mishra	Associate Professor	Transfusion Medicine and Blood Bank	Ex-Vivo Effects of Washing and Leukoreduction on Iron Profile, including " Non-Transferrin-Bound-Iron" (NTBI), and "Storage Lesions" in Non-Irradiated and Irradiated Packed Red Blood Cell (PRBC) Units	Dr. Mahendra Kumar Garg Dr. Pradeep Kumar Bhatia Dr. Poonam Elhence Dr. Anuradha Sharma Dr. Mithu Banerjee Dr. Pradeep Dwivedi	M.D. Thesis	32nd Meeting 23-12-2019
71	AIIMS/IEC/2019/1089	Dr. Pravin Kumar	Professor & Head	Dentistry	Prevalence of pulp stones in Rajasthan population - A cross sectional study in a tertiary care hospital	Dr. Vinay Kumar Chugh Dr. Arun Kumar Patnana	Non-Funded	32nd Meeting 23-12-2019
72	AIIMS/IEC/2019/1113	Dr. Aliza Mittal	Assistant Professor	Pediatrics	Setting up of Registry and targeted exome sequencing in children with Renal Tubular Disorders	Dr. Kuldeep Singh	Extramural ICMR	32nd Meeting 23-12-2019

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
73	AIIMS/IEC/2019/1098	Dr. Mithu Banerjee	Additional Professor	Biochemistry	Pharmacogenomics, Biochemical, Epigenetic and population Pharmacokinetics study in TB Patients- Multicentric Study	Dr. Praveen Sharma Dr. Pankaj Bhardwaj Dr. Naveen Dutt Dr. N.K. Chaudhary	Extramural	Expedited Review Dr. F.S.K. Barar

**33<sup>rd</sup> Meeting of Institutional Ethics committee held on 17<sup>th</sup> January, 2020**  
**27 Projects approved by Institutional Ethics Committee:-**

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2019/1074	Dr. Tanuj Kanchan	Additional Professor	Forensic Medicine	Sex estimation from dental pulp cytology: A time-based study	Dr. Raghvendra Singh Shekhawat Dr. Shilpi Gupta Dixit Dr. Vinay Chugh Dr. Ankita Chugh	Non-Funded	33rd Meeting 17-01-2020
2	AIIMS/IEC/2019/1070	Dr. Saurabh Singh	Associate Professor	Dermatology	Retrospective study of cutaneous metastasis cases: An institutional experience from Western India	Dr. Abhishek Bhardwaj Dr. Anil Budania Dr. Anupama Bains Dr. Poonam Elhence Dr. Aasma Dr. Utkrist Lahoria	Non-Funded	33rd Meeting 17-01-2020
3	AIIMS/IEC/2019/1069	Dr. Saurabh Singh	Associate Professor	Dermatology	Clinico-pathological spectrum of Cutaneous Leishmaniasis at a Tertiary-care Centre in Western India	Dr. Abhishek Bhardwaj Dr. Anil Budania Dr. Anupama Bains Dr. Poonam Elhence Dr. Meenakshi Rao Dr. Varun Rajagopal	Non-Funded	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
4	AIIMS/IEC/2019/924	Dr. Saurabh Singh	Associate Professor	Dermatology	Minimal erythema dose testing with NBUVB in local population of Western Rajasthan	Dr. Abhishek Bhardwaj Dr. Ranjana Beniwal Dr. Varun Rajagopal	Non-Funded	33rd Meeting 17-01-2020
5	AIIMS/IEC/2019/1090	Dr. Rashmi Syal	Senior Resident	Anaesthesiology & Critical Care	To evaluate the efficacy and safety of Erector spinae plane block for postoperative analgesia after percutaneous nephrolithotomy: A Randomized Controlled Clinical Trial	Dr. Pradeep Bhatia Dr. Kamlesh Choudhary Dr. Pramila Soni Dr. Swati Chhabra Dr. Nidhi Jain Dr. Himanshu Pandey	Non-Funded	33rd Meeting 17-01-2020
6	AIIMS/IEC/2019/1093	Dr. Asharam Gorchiya	Senior Resident	Forensic Medicine	Histopathology of neck muscles and thyroid gland in hanging	Dr. Chaitanya Mittal Dr. Puneet Setia Dr. Vikarn Vishwajeet	Non-Funded	33rd Meeting 17-01-2020
7	AIIMS/IEC/2019/1092	Dr. Chaitanya Mittal	Senior Resident	Forensic Medicine	Evaluation of histological changes in skin, skeletal, lung, liver and kidney to determine post-mortem interval	Dr. Asharam Gorchiya Dr. Puneet Setia Dr. Sudeep Khera	Non-Funded	33rd Meeting 17-01-2020
8	AIIMS/IEC/2019/1099	Dr. Garima Yadav	Associate Professor	Obstetrics & Gynaecology	Questionnaire study among women with previous lower segment caesarean section regarding their concerns and views to ascertain decision for opting mode of delivery	Dr. Megha Kansara Dr. Pratibha Singh Dr. Meenakshi Gothwal Dr. Priyanka Kathuria	Non-Funded	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
9	AIIMS/IEC/2019/1101	Guide: Dr. Sreevani Rentala Student: Irasangappa Mudakavi	Tutor/CI (Nursing)	Psychiatric Nursing	Effectiveness of Transitional Nursing Care on Process of Recovery, Prevention of Relapse and Readmission among Individuals with Severe Mental Illnesses: A Prospective Study in a Selected Institution of National Importance, Rajasthan, India.	Dr. Naresh Nebhinani	Ph.D, College of Nursing	33rd Meeting 17-01-2020
10	AIIMS/IEC/2019/1174	Dr. Ankita Chugh	Additional Professor	Dentistry	Clinical, ultrasonographic and electromyographic evaluation in oral submucous fibrosis patients	Dr. Pravin Kumar Dr. Rajesh Sharma Dr. Binit Sureka Dr. Amanjot Kaur	Non-Funded	33rd Meeting 17-01-2020
11	AIIMS/IEC/2019/ 1015	Dr. Ankita Chugh	Additional Professor	Dentistry	The prevalence of endodontic file fractures in root canal treated teeth-A retrospective cross sectional study in a tertiary care hospital	Dr. Arun Kumar Patnana Dr. Ashish Choudhary	Non-Funded	33rd Meeting 17-01-2020
12	AIIMS/IEC/2020/ 1178	Dr. Nidhi Jain	Senior Resident	Anaesthesiology & Critical Care	To evaluate the efficacy and safety of continuous quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy: A Randomized Controlled Clinical Trial	Dr. Pradeep Bhatia Dr. Kamlesh Choudhary Dr. Rashmi Syal DR. Maheder Singh Dr. Aaron Kumar Jain	Non-Funded	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
13	AIIMS/IEC/2020/1179	Dr. Mehul Patel	Senior Resident	CM&FM	Community-based interventions to enhance knowledge, protective attitudes and behaviours towards rabies: A health communication intervention study in Jodhpur, Rajasthan	Dr. Pankaja Raghav Dr. Nitesh Kumar Dr. Mahendra Kumar Verma Dr. Vaishali Gautam	Non-Funded	33rd Meeting 17-01-2020
14	AIIMS/IEC/2019/1102	Dr. Gopal Chawla	Senior Resident	Pulmonary Medicine	Assessment of pulmonary artery hypertension in patients of restrictive lung disease and its correlation with Nt Pro BNP and respiratory physiological parameters	Dr. Surender Deora Dr. Naveen Dutt Dr. Jai Bharat Sharma Dr. Nishant Chauhan Dr. Ramniwas	Non-Funded	33rd Meeting 17-01-2020
15	AIIMS/IEC/2019/1042	Dr. Arvind Kumar Morya	Associate Professor	Ophthalmology	Comparative analysis of various chopping techniques of phacoemulsification surgery for the management of cataract	Dr. Kavita Bhatnagar	Non-Funded Re-submit	33rd Meeting 17-01-2020
16	AIIMS/IEC/2019/1045	Dr. Arvind Kumar Morya	Associate Professor	Ophthalmology	A prospective , randomized, interventional & comparative open label trial to compare efficacy of Trehalose 3% over sodium hyaluronate 0.1% in patients with dry eye disease	Dr. Kavita Bhatnagar	Non-Funded Re-submit	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
17	AIIMS/IEC/2019/1043	Dr. Arvind Kumar Morya	Associate Professor	Ophthalmology	A prospective randomised clinical trial to compare the ocular hypotensive effect & safety of brinzolamide 1% & brimonidine 0.2% combination vs bimatoprost 0.03% & timolol 0.5% in primary open angle glaucoma, ocular hypertension & normotensive glaucoma.	Dr. Kavita Bhatnagar Dr. Pradeep Dwivedi	Non-Funded Re-submit	33rd Meeting 17-01-2020
18	AIIMS/IEC/2019/1028	Dr. Nilesh Barwar	Assistant Professor	Trauma & Emergency	Evaluation of high energy tibial plateau fractures treated in staged manner with Ex.Fix and dual plating	Dr. Abhay Elhence Dr. Sumit Banerjee Dr. Nitesh Gahlot	Non-Funded Re-submit	33rd Meeting 17-01-2020
19	AIIMS/IEC/2019/1055	Dr. Saurabh Singh	Associate Professor	Dermatology	Retrospective analysis of effectiveness of intralesional Mycobacterium indicus pranii vaccine in varying doses in the treatment of extensive extra-genital warts	Dr. Abhishek Bhardwaj Dr. Banhala Rajan Dr. Ravikumar S Mudugal Dr. Varun Rajagopal Dr. Utkrisht Lahoria	Non-Funded Re-submit	33rd Meeting 17-01-2020
20	AIIMS/IEC/2019/1060	Dr. Manu Goyal	Associate Professor	Obstetrics & Gynaecology	Assessment of efficacy of various Local Anesthetic modalities on Pain Relief during Endometrial Biopsy: a randomized control trial	Dr. Pratibha Singh Dr. Neha Agarwal	Non-Funded Re-submit	33rd Meeting 17-01-2020
21	AIIMS/IEC/2019/1088	Dr. Pravin Kumar	Professor & Head	Dentistry	A modified explanation for caries prevalence score in cariogram for indian population - A cross sectional study	Dr. Ankita Chugh Dr. Arun Kumar Patnana	Non-Funded Re-submit	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
22	AIIMS/IEC/2020/1183	Guide: Dr.Manish Chaturvedy Student: Dr.Mahendra Kumar Jangid	Nephrology	Additional Professor	Study of the association bet'n protein energy wasting (PEW) & psoas muscle index (PMI) in patients with CKD.	Dr. Praveen Sharma Dr.Nitin Kumar Bajpai Dr.Pawan Kumar Garg	D.M. Thesis	33rd Meeting 17-01-2020
23	AIIMS/IEC/2020/1181	Guide: Dr.Manish Chaturvedy Student: Dr.Santosh Kumar Maurya	Nephrology	Additional Professor	Study of association bet'n biochemical parameters of mineral bone disease & bone histomorphometry in chronic kidney disease patients.	Dr. Praveen Sharma Dr.Abhay Elhence Dr.Poonam Elhence Dr.Nitin Kumar Bajpai	D.M. Thesis	33rd Meeting 17-01-2020
24	AIIMS/IEC/2020/1180	Guide: Dr. Mahendra Kumar Garg Student: Dr.Vishwanath Jha	General Medicine	Professor & Head	The Evaluation of role of novel biomarkers serum fibro-blast growth factor 21 (FGF21) level & neutrophil parameters {Neutrophil-Granularity-intensity (NEUT-G1) & neutrophilreactivity-intensity (NEUT-RI) in diagnosis & prognosis of sepsis	Dr.Satyendra Khichar Dr. Deepak Kumar Dr.Abhishek Purohit Dr. Purvi Purohit	M.D. Thesis	33rd Meeting 17-01-2020
25	AIIMS/IEC/2020/1182	Guide: Dr.Mayank Garg Student: Dr.Nitin Kumar	Neuro-surgery	Associate Professor	ECOG performance score & socio-economic status affecting patients satisfaction in patients undergoing cranial surgery-An observational study	Dr.Suryanarayan Bhaskar Dr. Jaskaran Singh Gosal Dr. Deepak Kumar Jha Dr. Pankaj Bhardwaj	M.Ch. Thesis	33rd Meeting 17-01-2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
26	AIIMS/IEC/2020/1188	Guide: Dr. Purvi Purohit Student: Ashita Gadwal	Additional Professor	Biochemistry	Exploring the effect of epigenetic modification of Glyco-genes in association with GDF-15 and their role in breast cancer stemness and drug resistance	Dr. Praveen Sharma, Dr. Mithu Banerjee, Dr. Jeevan Ram Vishnoi, Dr. Ramkaran Choudhary, Dr. Puneet Pareek & Dr. Poonam Elhence	Ph.D. Thesis	33rd Meeting 17-01-2020
27	AIIMS/IEC/2020/1187	Guide: Dr. Mithu Banerjee Student: Jyoti Kanwar Shekhawat	Additional Professor	Biochemistry	Study of salivary hypermethylation in promotor region of MGMT, TIMP3 and EDNRB genes as biomarker for Head and Neck Carcinoma and evaluation of Procainamide and Hydralazine as demethylating agents	Dr. Praveen Sharma, Dr. Purvi Purohit, Dr. Prasenjit Mitra & Dr. Bikram Choudhary	Ph.D. Thesis	33rd Meeting 17-01-2020

### 34<sup>th</sup> Meeting of Institutional Ethics committee held on 13<sup>th</sup> March, 2020

#### 37 Projects approved by Institutional Ethics Committee:-

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
1	AIIMS/IEC/2020/1191	Dr. Kuldeep Singh	Professor & Head	Pediatrics	Developing Growth charts for healthy Indian children 5 to 18 years	Dr. Varuna Vyas	Extramural ICMR	34th Meeting 13.03.2020
2	AIIMS/IEC/2020/1227	Dr. Arun Kumarendu Singh	Professor	Neonatology	Mitochondrial dysfunction in children due to heat stress, a potential cause of acute encephalitis syndrome	Dr. Neeraj Gupta	Extramural ICMR	34th Meeting 13.03.2020



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
3	AIIMS/IEC/2020/1202	Dr. Neeraj Gupta	Additional Professor	Neonatology	Iron Status in Healthy Term Breastfed Infants in Early Infancy: A Prospective Cohort Study	Dr. Arun Kumarendu Singh, Dr. Kuldeep Singh, Dr. Praveen Sharma, Dr. Pratibha Singh & Dr. Abhishek Purohit	Extramural ICMR	34th Meeting 13.03.2020
4	AIIMS/IEC/2020/1228	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Seroepidemiology, maternal immune status and missed diagnosis of Pertussis among young infants in India- a multicentric study	Dr. Kuldeep Singh Dr. Pratibha Singh	Extramural DST	34th Meeting 13.03.2020
5	AIIMS/IEC/2020/1201	Dr. Jaykaran Charan	Associate Professor	Pharmacology	Reasons for termination of clinical trials registered in clinical trial registry of India: A cross sectional study	Dr. Siddhartha Dutta Dr. Pankaj Bhardwaj	Non-Funded	34th Meeting 13.03.2020
6	AIIMS/IEC/2020/1190	Dr. Manish Pathak	Additional Professor	Paediatrics Surgery	A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in pediatric patients: Retrospective analysis	Dr. Rahul Saxena Dr. Arvind Sinha	Non-Funded	34th Meeting 13.03.2020
7	AIIMS/IEC/2020/1176	Dr. Ravisekhar Gadepalli	Associate Professor	Microbiology	Prevalence of viral infections in patients undergoing dialysis- A retrospective study	Dr. Nitin Kumar Bajpai	Non-Funded	34th Meeting 13.03.2020
8	AIIMS/IEC/2020/1217	Dr. Swati Chhabra	Associate Professor	Anaesthesiology & Critical Care	Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-sectional study	Dr. Sadik Mohamed Dr. Pradeep Bhatia Dr. Surajit Ghatak Dr. Bharat Paliwal	Non-Funded	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
9	AIIMS/IEC/2020/1213	Dr. Vaibhav Kumar Varshney	Assistant Professor	Surgical Gastroenterology	Robotic Pancreatoduodenectomy with Pancreatico-jejunosomy using modified Blumgart technique	Dr. Subhash Soni	Non-Funded	34th Meeting 13.03.2020
10	AIIMS/IEC/2020/1212	Dr. Varuna Vyas	Assistant Professor	Pediatrics	Short stature-Clinico-etiological profile of children presenting with short stature and the limitations in appropriate diagnosis and management	Dr. Kuldeep Singh	Non-Funded	34th Meeting 13.03.2020
11	AIIMS/IEC/2020/1206	Dr. Meenakshi Gothwal	Associate Professor	Obstetrics & Gynaecology	Knowledge, attitude and Awareness regarding fertility among women attending Infertility OPD of AIIMS Jodhpur: A questionnaire based study	Dr. Pratibha Singh Dr. Arunima Saini Dr. Navdeep Kaur Ghuman Dr. Garima Yadav Dr. Charu Sharma Dr. Priyanka Kathuria	Non-Funded	34th Meeting 13.03.2020
12	AIIMS/IEC/2020/1211	Dr. Tanuj Kanchan	Additional Professor	Forensic Medicine and Toxicology	Dental age estimation using third molar maturation: A systematic review	Dr. Arun Kumar Patnana Dr. Rutwik Shedje	Non-Funded	34th Meeting 13.03.2020
13	AIIMS/IEC/2020/1210	Dr. Tanuj Kanchan	Additional Professor	Forensic Medicine and Toxicology	Skeletal age estimation from pubic symphysis: A systematic review of the Suchey-Brooks method	Dr. Surjit Singh Dr. Varsha Warriar Dr. Rutwik Shedje	Non-Funded	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
14	AIIMS/IEC/2020/1226	Dr. Purvi Purohit	Additional Professor	Biochemistry	Growth Differentiation Factor-15 as a biomarker in the cancers of the female reproductive tract: a systematic review and meta-analysis	Ms. Anupama Modi Mr. Dipayan Roy Mr. Manoj Khokar Dr. Manu Goyal Dr. Shailja Sharma Dr. Puneet Setia Dr. Pravin Sharma	Non-Funded	34th Meeting 13.03.2020
15	AIIMS/IEC/2020/1185	Dr. Ramniwas	Assistant Professor	Pulmonary Medicine	Management of Central Airway Obstruction-A Retrospective case series observational Study	Dr. Nishant Kumar Chauhan Dr. Naveen Dutt	Non-Funded	34th Meeting 13.03.2020
16	AIIMS/IEC/2020/1185	Ms. Mamta	Lecturer	College of Nursing	A study to assess effectiveness of structured training programme on selected non communicable diseases risk reduction among women on knowledge & selected performance outcomes of female health workers	None	Non-Funded	34th Meeting 13.03.2020
17	AIIMS/IEC/2020/1233	Dr. Kuldeep Singh	Professor & Head	Pediatrics	Study of knowledge, attitude, practice of tribal healers of prevalent diseases in the tribal community of district Sirohi, Rajasthan	Dr. Pradeep Dwivedi	Extramural	34th Meeting 13.03.2020
18	AIIMS/IEC/2019/1091	Dr. Manisha Jhirwal	Assistant Professor	Obstetrics & Gynaecology	Maternal and perinatal outcome in Intrahepatic cholestasis of pregnancy	Dr. Shashank Shekhar Dr. Pratibha Singh Dr. Charu Sharma Dr. Apoorva Tak	Resubmitted Non-Funded	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
19	AIIMS/IEC/2020/1077	Dr. Pushpa Potaliya	Assistant Professor	Anatomy	Demonstration of elastic tissue pattern in alopecia by Verhoeff-Van Gieson staining	Dr. Surajit Ghatak Dr. Muhamed Faizal	Resubmit Non-Funded	34th Meeting 13.03.2020
20	AIIMS/IEC/2020/1085	Mr. Aashish Parihar	Lecturer	College of Nursing	A Cross-sectional Study to Assess the Psychological Impact of Magnification of Health Warning on Tobacco Product in terms of attitude towards abstinence on use of tobacco among patients attending Medicine OPD of AIIMS, Jodhpur	Irasangappa Mudakavi Sanjay Sevak Asif Khan	Resubmit Non-Funded	34th Meeting 13.03.2020
21	AIIMS/IEC/2019/1094	Dr. Charu Sharma	Associate Professor	Obstetrics & Gynaecology	Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome-Single centre experience	Dr. Shashank Shekhar Dr. Pratibha Singh Dr. Meenakshi Gothwal Dr. Manisha Jhirwal Dr. Arunima Saini	Resubmit Non-Funded	34th Meeting 13.03.2020
22	AIIMS/IEC/2019/915	Dr. Garima Yadav	Associate Professor	Obstetrics & Gynaecology	Clinicoradiopathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: Our experience	Dr. Meenakshi Rao Dr. Pratibha Singh Dr. Meenakshi Gothwal Dr. Shashank Shekhar	Resubmit Non-Funded	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
23	AIIMS/IEC/2019/1081	Supervisor: Dr. Pankaj Bhardwaj Student Dr. Neha Mantri	Additional Professor	CM&FM	Lactational Management Centres in Health Care facilities of Jodhpur - A feasibility Study	Dr. Nitin Joshi Dr. Vaishali Gautam	Resubmit Non-Funded	34th Meeting 13.03.2020
24	AIIMS/IEC/2019/1175	Dr. Nitesh Kumar	Senior Resident	CM&FM	Pilot study to test LEAP project in the field which could help in implementing a better adolescent program	Dr. Neeti Rustagi Dr. Pankaja Raghav Dr. Shazia Shafi	Resubmit Non-Funded	34th Meeting 13.03.2020
25	AIIMS/IEC/2019/1086	PI: Dr. Umesh S Dr. Nishant Goyal Co-Investigator Dr. Navratan Suthar	Assistant Professor	Psychiatry	Identifying Behavioural and Psychological Symptom Clusters of Dementia: A Multi-Centric Exploratory Study	Dr. Naresh Nebhinani Dr. Mukesh Kumar Swami	Resubmit Non-Funded Multicentric	34th Meeting 13.03.2020
26	AIIMS/IEC/2020/1080	Dr. Vibhor Tak	Associate Professor	Microbiology	Laboratory profile and serological testing in patients with amoebic liver abscess- A study from a tertiary care centre of Western Rajasthan	Dr. Vijaya Lakshmi Nag Dr. Yashik Bansal	Resubmit Non-Funded	34th Meeting 13.03.2020
27	AIIMS/IEC/2019/1071	Dr. Vibhor Tak	Associate Professor	Microbiology	Evaluation of HiCrome UTI Chromogenic Culture Media for Isolation and Identification of Urinary Tract Pathogens	Dr. Jitu Mani Kalita Dr. Vidhi Jain Dr. Vijaya Lakshmi Nag	Resubmit Non-Funded	34th Meeting 13.03.2020
28	AIIMS/IEC/2019/1072	Dr. Vibhor Tak	Associate Professor	Microbiology	Vancomycin Resistant Enterococci and Trends of Antimicrobial Susceptibility in Urine Cultures: a Study from a Teaching Hospital in Western Rajasthan, India	Dr. Kavita Yedale Dr. Vijaya Lakshmi Nag	Resubmit Non-Funded	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
29	AIIMS/IEC/2019/1073	Dr. Vibhor Tak	Associate Professor	Microbiology	Characteristic of Diarrheogenic Escherichia Coli isolated from diarrhoea cases attending a teaching hospital, India	Dr. Jitu Mani Kalita Dr. Kavita Yedale Dr. Vijaya Lakshmi Nag Dr. Sarika Kombade	Resubmit Non-Funded	34th Meeting 13.03.2020
30	AIIMS/IEC/2020/1192	Supervisor: Prof. (Dr.) Raj Rani Co-Supervisor: Mr. Manish Kumar	Principal	College of Nursing	A Study to assess knowledge regarding CRIMEAN-Congo Hemorrhagic Fever (CCHF) among Nursing Officers at AIIMS, Jodhpur	Anjali Annu (Rohtash) Annu (Yashpal) Singh Avneet Kaur Bhawana Chanda Prajapati	Group Research Project	34th Meeting 13.03.2020
31	AIIMS/IEC/2020/1194	Supervisor: Mr. Mukesh Chandra Sharma Co-Supervisor: Mrs. Joyce Joseph	Associate Professor	College of Nursing	A Study to assess knowledge utilization of MCH services among mothers of Dhawa village, Jodhpur	Guddi Himanshi Maheswari Jashoda Kajal Prajapati Kamlesh Bajiya Kanupriya Joshi	Group Research Project	34th Meeting 13.03.2020
32	AIIMS/IEC/2020/1195	Supervisor: Mrs. Gomathi A Co-Supervisor: Mr. Arvind	Associate Professor	College of Nursing	A Study to assess awareness regarding home accidents among parents of toddler at selected rural area Dhawa, Jodhpur	Kavita Suthar Kiran Mundel KM Jaya Kumari KM Priya Sahu Manita Kumari Mintu Yadav	Group Research Project	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
33	AIIMS/IEC/2020/1196	Supervisor: Mr. Himanshu Vyas Co-Supervisor: Ms. Arti	Associate Professor	College of Nursing	A descriptive study to assess the Knowledge and attitude regarding contraceptive methods among postnatal mothers at AIIMS, Jodhpur	Neetu Seervi Neha Sah Nikita Chouhan Pooja (Prithviraj) Pooja Saini Pooja Sharam (N.K.Sharma)	Group Research Project	34th Meeting 13.03.2020
34	AIIMS/IEC/2020/1197	Supervisor: Mrs. Vandna Pandey Co-Supervisor: Mrs. Deepali Gaikwad	Lecturer	College of Nursing	A Study to assess Knowledge regarding first aid management of burns among adult population residing at Dhawa, Jodhpur	Pooja Sharma Poonam Priyanka (Kuldeep) Priyanka Swami Radha Devi Sangeeta Vishnoi	Group Research Project	34th Meeting 13.03.2020
35	AIIMS/IEC/2020/1198	Supervisor: Mr. Aashish Parihar Co-Supervisor: Mr. Sanjay Sevak	Lecturer	College of Nursing	A Study to assess the knowledge regarding menopause among the menopausal women visiting OPD at AIIMS, Jodhpur	Sanju Sheshma Sarla Chaudhary Saroj Savita Seema Mahala Sharmila Bai	Group Research Project	34th Meeting 13.03.2020
36	AIIMS/IEC/2020/1199	Supervisor: Mr. Nipin Kalal Co-Supervisor: Mr. Sabri Vel	Assistant Professor	College of Nursing	To assess the knowledge regarding safe handling of chemotherapeutic drugs among Nursing officers at AIIMS, Jodhpur	Shilpa Shilpa Patel Shubhi Goyal Shweta Gupta Sneha Sharma Soni Kumari	Group Research Project	34th Meeting 13.03.2020

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
37	AIIMS/IEC/2020/1200	Supervisor: Mrs. Nimrata Co-Supervisor: Mrs. M.Sonia	Assistant Professor	College of Nursing	A Study to assess knowledge regarding first aid in Trauma among people attending OPD at AIIMS, Jodhpur	Srishti Sushila Sushmita Tanveer Tanisha Singh Varsha Godara Yogita	Group Research Project	34th Meeting 13.03.2020



## Examination Cell

The Examination Cell of AIIMS, Jodhpur was established in 2013. The Following were the office bearers in year 2019-2020:-

1.	Dr. Praveen Sharma	-	Controller of Examinations
2.	Dr. Abhinav Dixit	-	Vice Dean
3.	Dr. Shashank Shekhar	-	Sub Dean
4.	Dr. Puneet Pareek	-	Sub Dean
5.	Dr. Dushyant Agrawal	-	Assistant Dean
6.	Dr. Nishant Chauhan	-	Assistant Dean
7.	Dr. Ashok Kumar	-	Assistant Dean
8.	Dr. Ravishekhar Gadepalli	-	Assistant Dean
9.	Dr. Shri Manjunath	-	Assistant Dean

The Examination Cell conducts examination for MBBS, nursing, dentistry, MD/MS/DM/MCh students along with exams for recruitment for various posts at AIIMS, Jodhpur. The student examinations at AIIMS, Jodhpur are conducted based on a policy of non identification using an online module. The answer sheets are bar-coded so as to remove any bias during evolution. The Examination Cell is equipped with heavy duty photo copy machines, printers and computer for conducting various examinations.

List of examinations conducted successfully:

### 1. Professional/ Yearly Examinations

#### M.B.B.S. Professional Examinations

1.	1 <sup>st</sup> Professional M.B.B.S. Examination (Batch - 2018)	July 2019
2.	1 <sup>st</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2018)	September 2019
3.	3 <sup>rd</sup> Professional M.B.B.S. Examination (Batch - 2015)	Nov.–Dec. 2019
4.	2 <sup>nd</sup> Professional M.B.B.S. Examination (Batch - 2017)	December 2019
5.	3 <sup>rd</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2015)	Jan. –Feb. 2020
6.	2 <sup>nd</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2017)	February 2020

### B. Sc. (Hons.) & M. Sc. Nursing yearly Examinations

1. B. Sc. (Hons.) Nursing 1 <sup>st</sup> Year Examinations (Batch-2018)	June 2019
2. B. Sc. (Hons.) Nursing 3 <sup>rd</sup> Year Examinations (Batch-2016)	June–July 2019
3. B. Sc. (Hons.) Nursing 2 <sup>nd</sup> Year Examinations (Batch-2017)	July 2019
4. B. Sc. (Hons.) Nursing 4 <sup>th</sup> Year Examinations (Batch-2015)	July 2019
5. M. Sc. Nursing 1 <sup>st</sup> Year Examinations (Batch-2018)	July 2019
6. M. Sc. Nursing 2 <sup>nd</sup> Year Examinations (Batch-2017)	July 2019
7. B. Sc. (Hons.) Nursing 2 <sup>nd</sup> Year Supplementary Examinations (Batch-2017)	September 2019
8. B. Sc. (Hons.) Nursing 1 <sup>st</sup> Year Supplementary Examinations (Batch-2018)	September 2019
9. M. Sc. Nursing 1 <sup>st</sup> Year Supplementary Examinations (Batch-2018)	September 2019

## 2. Semester Examinations

### M.B.B.S. Semester Examinations

1. 6 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2016)	May 2019
2. 4 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2017)	May 2019
3. 2 <sup>nd</sup> Semester M.B.B.S. Examination (Batch-2018)	June 2019
4. 8 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2015)	July 2019
5. 9 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2015)	October 2019
6. 5 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2017)	November 2019
7. 3 <sup>rd</sup> Semester M.B.B.S. Examination (Batch - 2018)	January 2020
8. 1 <sup>st</sup> Semester M.B.B.S. Examination (Batch - 2019)	January 2020

### B. Sc. (Hons.) Nursing Semester Examinations

1. B. Sc. (Hons.) Nursing 2 <sup>th</sup> Semester Examination (Batch-2018)	April 2019
2. B. Sc. (Hons.) Nursing 8 <sup>th</sup> Semester Examination (Batch-2015)	April 2019
3. B. Sc. (Hons.) Nursing 6 <sup>th</sup> Semester Examination (Batch-2016)	April–May 2019
4. B. Sc. (Hons.) Nursing 4 <sup>th</sup> Semester Examination (Batch-2017)	April–May 2019
5. B. Sc. (Hons.) Nursing 5 <sup>th</sup> Semester Examination (Batch-2017)	December 2019
6. B. Sc. (Hons.) Nursing 1 <sup>st</sup> Semester Examination (Batch-2019)	December 2019
7. B. Sc. (Hons.) Nursing 7 <sup>th</sup> Semester Examination (Batch-2016)	December 2019
8. B. Sc. (Hons.) Nursing 3 <sup>rd</sup> Semester Examination (Batch-2018)	December 2019

### 3. Post Graduate Exit Examinations

1. MD Examinations Batch: (July - 2016)	June 2019
2. Fellowship in Anaesthesiology & Critical Care Examinations	July 2019
3. Fellowship in Paediatric Anaesthesia Examinations	July 2019
4. Post-Doctoral Certificate (Pathology) Examinations	July 2019
5. Post-Doctoral Fellowship (Paediatrics Pulmonary Medicine) Examinations	July 2019
6. Post-Doctoral Fellowship (Paediatrics Critical Care Medicine) Examinations	July 2019
7. Post-Doctoral Fellowship (Thoracic Radiology) Examinations	July 2019
8. Post-Doctoral Certificate (Microbiology) Examinations	July 2019
9. Post-Doctoral Fellowship (Abdominal Radiology) Examinations	July 2019
10. MD Examinations Batch: (January- 2017)	December 2019

### 4. Recruitment/Entrance/Computer Based Test (CBT) Examinations

1. Chief Cashier CBT exam	May 2019
2. Cashier CBT exam	May 2019
3. Store Keeper CBT exam	May 2019
4. Store Keeper cum Clerk CBT exam	May 2019
5. Junior Account Officer	May 2019
6. Senior Resident (Various Departments) written exam	July 2019
7. Senior Resident (PDCC) written Exam	July 2019
8. Senior Resident (PDF) written Exam	July 2019
9. Lower Division Clerk Typing Test	July 2019
10. Upper Division Clerk Typing Test	July 2019
11. Data Entry Operator Typing Test	July 2019
12. Junior Resident (Dental) written Exam	October 2019
13. Entrance Test of Admission for MPH Course	November 2019
14. MPH Exit Examination	December 2019
15. Office Assistant (NS) CBT exam	December 2019
16. Stenographer CBT exam	December 2019
17. Senior Resident (Various Departments) written Exam	January 2020
18. Senior Resident (PDCC) written Exam	January 2020
19. Senior Resident (PDF) written Exam	January 2020
20. PDF Exit Examination	January 2020
21. PDCC Exit Examination	January 2020

# Departments



## Department of Anaesthesiology and Critical Care

S. No.	Name	Designation
1	Dr. Pradeep Bhatia	Professor & Head
2	Dr. Manoj Kamal	Additional Professor
3	Dr. Nikhil Kothari	Additional Professor
4	Dr. Shilpa Goyal	Additional Professor
5	Dr. Sadik Mohammed	Associate Professor
6	Dr. Bharat Paliwal	Associate Professor
7	Dr. Swati Chhabra	Associate Professor
8	Dr. Rakesh Kumar	Associate Professor
9	Dr. Priyanka Sethi	Assistant Professor
10	Dr. Kamlesh Kumari	Assistant Professor
11	Dr. Ankur Sharma	Assistant Professor (Trauma and Emergency)

### About the Department

The Department of Anaesthesiology and Critical Care at AIIMS Jodhpur is providing anaesthesia, pain management and critical care services at par with the best in the world. Over the years, the department has strengthened its services and has raised standards in patient care, education and research.

This year with inauguration of new D&T OT complex, total four OT complexes (sixteen operation theatre) with five bedded high dependency unit (HDU)/Recovery room are functional at present. Intensive care unit (ICU) services has been expanded for postsurgical and medical patients by increasing ICU beds from six to eighteen. The peripheral anaesthesia services were strengthened for procedures in DSA room (interventional radiology and interventional cardiology), MRI, CT scan, ECT, brachytherapy, and labour analgesia. The Pain and Palliative Care clinic provides daily OPD services to patients suffering from acute and chronic pain. Procedures for chronic pain management like epidural steroid injection, selective nerve root blocks, lumbar sympathectomy, cancer pain management blocks and radiofrequency ablation procedures are being successfully performed. Palliative care services are provided to terminally ill cancer patients.

On the academic front, in addition to regular post graduate course (8 P.G students per session) fellowship programs are continuing in Critical Care Medicine and Paediatric Anaesthesia. During the current year, DM in Critical Care Medicine and one-year fellowship programs in Pain and Palliative care, Neuroanaesthesia and Neurocritical care have been approved for the July 2017 academic session. Regular seminars, case discussion and interactive classes are held for postgraduate students and fellows in addition to clinical teaching in operation theatres and ICU. Journal clubs are regularly conducted where articles from reputed journal are critically appraised. During corona pandemic, after lockdown, on line classes were continued. Department participated actively in the "Integrated teaching classes" for MBBS students, in coordination with other departments. Along with active participation in CPC & CGR conducted by the Institute, the department contributed two CGR during the session.

Several research projects (including intramural) were carried out in the department after approval by institutional ethical committee. Many papers were presented in various International and National Level conferences by faculty members and residents, some of which were also awarded. Thirty-nine papers were published by the faculty and residents of the department during this period. We publish journal of anaesthesiology, critical care and pain: "The Indian Anaesthetists' Forum" Published by Wolters Kluwer India Pvt. Ltd. (<http://www.theiaforum.org>). The journal is indexed with DOAJ, Emerging Sources Citation Index, Index Copernicus, Web of Science.

The department is also actively involved in training activities and conducting conferences and workshops. During this session, we got our institute recognized as International Training Centre (ITC) for American Heart Association (AHA) certified BLS and ACLS courses. We are regularly conducting BLS and ACLS courses for medical and paramedical staff to train them CPR skills. Department also conducted AHA certified 'BLS and ACLS provider course' twice (May and Nov 2019) in this period. Department organized RAJCRITICON 2019: 1st Rajasthan Critical Care Conference, Paediatric Anaesthesiology CME and several workshops and continuous medical education programs.

### Compiled List of Publications of the Department

#### Papers

##### Pubmed Indexed:

1. Mohammed S, Bhatia P, Chhabra S, Paliwal B. Congenital tracheomalacia unmasked following repair of tracheo-esophageal fistula: experience with two consecutive cases. *Tren Anaesth Crit Care*. 2020;30:e192.
2. Vaishnavi BD, Nikhil Kothari. Use of pilot balloon to fish put fractured tracheostomy tube. *Anaesthesia & Analgesia Practice* 2020;14:58-59.
3. Prasad RH, Sharma A, Kothari N, Vyas V, Goyal S. Atypical Presentation of Crimean–Congo Hemorrhagic Fever as Ascending Paralysis with Rhabdomyolysis. *Ind J Crit Care Med*. 2020;24(2):143-144.
4. Gadhvi M, Singhal A, Sharma G, Kamble P, Gupta U, Garg M, Garg PK, Mohammed S, Sharma RK, Jha DK. Intraoperative Neurophysiological Monitoring (IONM) of Proximal Occlusion of Vertebral Artery in Arteriovenous Malformation: A Case Report. *Ind J Physiol Pharmacol*. 2020;64:11-16.
5. Purva M, Randeep G, Rajesh M, Mahesh CM, Sunil G, Subodh K, K Bhatia Pradeep et al. Assessment of core capacities for antimicrobial stewardship practices in Indian hospitals: Report from a multicentric initiative of global health security agenda. *Ind J Med Microbiol*. 2019; 37:309-17.
6. Bhatia P, Mohammed S, Chhabra S, Saran A, Paliwal B. Single lumen, dual curvature tube for left bronchial intubation in pediatric patients. *Paediatr Anaesth*. 2019 Dec;29(12):1208-1210
7. Sharma A, Bhatia P, Vyas V. Should We Use DSI or not- What does the PADIS 2018 Guidelines Recommend?. *Ind J Crit Care Med*. 2019; 23 (10):491.
8. Mohammed S, Bhatia P, Chhabra S, Gupta SK, Kumar R. Pulmonary hyperinfection with *strongyloides stercoralis* in an immunocompetent patient. *Ind J Crit Care Med*. 2019; 23 (10):481-483.
9. Kalaria N, Goyal S, Sethi P, Bhatia P. Repeated cuff rupture with nasal intubation: What we learn!!!. *Indian J Anaesth*. 2019;63:680-2.
10. Paliwal B, Sharma RS, Bhatia P, Kamal M. Fluoroscopic guided epidural anaesthesia: A rescuing skill in difficult anaesthetic management. *Indian J Anaesth*. 2019;63:679-80.
11. Paliwal B, Bhatia P, Rathod KJ, Kumar R. Ultrasound Neuraxial Block: A simple answer to rare situation. *Paediatr Anaesth*. 2019;29(8): 882-3.
12. Bansal R, Kalaria N, Bhatia P, Sharma A. Modified E-C technique for edentulous geriatric patients. *Saudi J Anaesth*. 2019;13:257-258
13. Seervi S, Singariya G, Kamal M, Kumari K, Siddeswara A, Ujwal S. Effect of addition of perineural buprenorphine or dexamethasone to levobupivacaine on post-operative analgesia in ultrasound guided transversus abdominis plane block in patients undergoing unilateral inguinal hernia repair: a prospective randomized double blind controlled trial. *Korean J anesthesiol*. 2019;72(3):245-52.
14. Kumar R, Sharma A, Bansal R, Kamal M, Sharma L. Ultrasound-guided continuous erector spinae plane block in a patient with multiple rib fractures. *Turk J Anaesthesiol Reanim*. 2019; 47(3):235-37.
15. Syal R, Kumar R, Kamal M, Bhatia P. Novel block and new indication: Ultrasound-guided continuous" mid-point transverse process to pleura" block in a patient with multiple rib fracture. *Saudi J Anaesth*. 2019;13(4):365-67.
16. Sharma RS, Kumar R, Kamal M, Bhatia P. Use of the mid-transverse process to pleura block in a patient undergoing intercostal drain placement and rib resection. *Indian J Anaesth*. 2019;63(3):245-46.

17. Siddeshwara A, Singariya G, Kamal M, Kumari K, Seervi S, Kumar R. Comparison of efficacy of ultrasound guided pectoral nerve block versus thoracic paravertebral block using levobupivacaine and dexamethasone for postoperative analgesia after modified radical mastectomy: a randomized controlled trial. *Saudi J Anaesth.* 2019;13(4):325-31.
18. Kumar V, Kumawat N, Thomas JM, Kumar A, Sharma A, Kamal M. Challenges encountered in placement of ostomy bag for palliative care in a patient with colorectal cancer. *Indian J Palliat Care.* 2019;25(3):474-6.
19. Choudhary G, Syal R, Kumar R, Kamal M. Anaesthetic management of pacemaker implantation in a child with dilated cardiomyopathy with acquired complete atrioventricular heart block. *Indian J Anaesth.* 2019;63(11):938-40.
20. Kumar R, Syal R, Kamal M, Sharma RS. Continuous erector spinae plane block in a patient with multiple comorbidities undergoing modified radical mastectomy. *Indian J Anaesth.* 2019; 33(2):106-8.
21. Deepak C, Vandana S, Pradeep B, Nikhil K. Anaesthetic management of separation of conjoint twins: Challenges and limitations. *Saudi J Anaesth* 2019;13:140-3.
22. Chouhan RS, Kumar M, Saran A, Mohammed S, Gupta S, Chopra K. An unexpected cause of endotracheal tube obstruction after routine tracheal suctioning. *J Anaesth Clin Pharma.* 2019;35: 564-566.
23. Bansal R, Sharma A, Vyas V, Kaloria N, Sethi P, Kumar R. Anesthetic challenges for pleuro-pericardial window. *Saudi J Anaesth.* 2019;13:272-4.
24. Gothwal M, Rodha M, Surekha B, Singh P, Yadav G, Sethi P. Gossypiboma – A nightmare for surgeon: A rare case with review of literature. *J Mid-life Health.* 2019;10:160-2.
25. Sinha R, Ray BR, Sharma A, Pandey RK, Punj J, Darlong V, Trikha A. Comparison of the C-MAC video laryngoscope size 2 Macintosh blade with size 2 C-MAC D-Blade for laryngoscopy and endotracheal intubation in children with simulated cervical. *J Anaesthesiol Clin Pharmacol.* 2019;35(4):509-514.
26. Parveez MQ, Ponnappan K, Tandon M, Sharma A, Jain P, Singh A. Preoperative glycated haemoglobin level and postoperative morbidity and mortality in patients scheduled for liver transplant. *Indian J Endocr Metab.* 2019;23(5):570-4.
27. Seetharamaiah S, Subramanian R, Sharma A, Vyas V. A rare cause of desaturation in an infant after anesthesia induction. *Saudi J Anaesth.* 2019;13(2):164-5.
28. Kumari K, Samra T, Saini V, Sethi S, Banerjee N, Sharma S. Comparison of haemodynamic response to inhalational bolus with desflurane in normotensive and hypertensive patients undergoing laparoscopic cholecystectomy. *Turk J Anaesthesiol Reanim.* 2019; 47(3):165-72.
29. Mathew P, Aggarwal N, Kumari K, Gupta A, Panda N, Bagga R. Quality of recovery and analgesia after total abdominal hysterectomy under general anesthesia: A randomized controlled trial of TAP block vs epidural analgesia vs parenteral medications. *J Anaesthesiol Clin Pharmacol.* 2019; 35(2):170-5.

#### Non-Pubmed Indexed:

1. Choudhary G, Soni S, Mohammed S. Sheehan's syndrome: A rare cause of delayed recovery after anesthesia. *J Obstet Anaesth Crit Care.* 2020;10(1):58.
2. Kumar R, Kumar M, Bhatia P, Kamal M, Sadik M, Syal R. Electrocardiography changes or artifacts? A dilemma. *Indian Anaesth Forum* 2020;21(1):78-80.
3. Khera PS, Garg P K., Tiwari S, Sureka B, Yadav T, Purkayastha S, Bhaskar S, Bhatia P, Morya A. Carotico-cavernous Fistulae: Clinical Presentation, Imaging, and Endovascular Treatment. *J Clin Interv Radiol ISVIR.* 2019; 03(03): 171-9.
4. Goyal S, Gupta SK, Kothari N, Bhatia P, Kumar M. Prune-belly syndrome: Anesthetic implications and management. *Indian Anaesth Forum.* 2019;20:47-9.
5. Vig A, Rathod KJ, Jadhav A, Kamal M, Yadav T, Sinha A. Review of laparoscopic median sacral artery ligation in sacrococcygeal teratoma. *J Ped Endosc Surg.* 2019; 1 (2):75-78.
6. Syal R, Kumar R, Chhabra S, Mohammed S. Anaesthetic consideration of tracheobronchial foreign body aspiration in children. *Raj J Otolaryngology Head Neck Surg.* 2019;3:8-12



7. Kumar R, Syal R, Kamal M, Sharma RS. Continuous erector spinae plane block in a patient with multiple comorbidities undergoing modified radical mastectomy. *Ind J Pain*. 2019;33:106-8.
8. Jaju R, Kalaria N, Kothari N, Goyal S, Sethi P, Bihani P. Uncuffed endotracheal tube as nasopharyngeal airway in pediatrics: A twig for drowning boat. *Int J Anaesth Res*. 2019;21:29-30.
9. Taxak S, Bihani PJ, Jaju R, Kamal K, Ahlawat M, Sethi P. Comparative evaluation of air-Q and classic laryngeal mask airway for surgeries under anesthesia: A randomized open-label trial. *INDIAN Anaesth Forum*. 2019
10. Kapoor D, Kumari K, Singh M, Singh J. Anaesthetic management of an infant with Ohtahara syndrome: report of a case and brief review of literature. *JMCC*. 2019;9(2):55-58.

#### **Eminent Visitors:**

1. Dr. Rajesh Tope, Senior Consultant in Indraprastha Apollo Hospital, New Delhi, delivered a guest lecture on 'Inhalational agent of choice for long and short duration of surgeries' on 5<sup>th</sup> Dec 2019.
2. Dr. Deepak K Tempe, Ex Director & Professor, Department of Anaesthesiology and Intensive Care, GB Pant Institute of Postgraduate Medical Education and Research, New Delhi, delivered a guest lecture on 'Right Ventricle failure' on 7<sup>th</sup> Dec 2019.
3. Dr. Deepak Sharma, Professor & Division Chief Neuroanesthesiology, Department of Anesthesiology & Pain medicine, University of Washington, USA, delivered a guest lecture on "Caring for TBI Patients- A personal journey and miles to go" in clinical ground rounds on 7<sup>th</sup> Feb, 2020 at Auditorium, AIIMS, Jodhpur

**Name of Faculty: Dr. Pradeep Bhatia**

**Designation: Professor and Head**

#### **Papers Presented:**

1. Pradeep Bhatia. Comparison of Intranasal and Nebulized for premedication in paediatric patients: A randomized controlled open label trial". *ESPA Conference; 19<sup>th</sup>-21<sup>st</sup> September 2019, De Doelen ICC, Rotterdam.*

#### **Sessions Chaired:**

1. Delirium, Sedation and Neuromuscular weakness in ICU, 26<sup>th</sup> Annual National Conference of Indian Society of Critical Care Medicine (CRITICARE); 29<sup>th</sup> Feb 2020, Hyderabad International Convention Centre, Hyderabad
2. Managing inotropes in ICU settings, AIIMS Jodhpur Cardiology Update-2020; 18<sup>th</sup> Jan 2020, AIIMS, Jodhpur
3. Session, 7<sup>th</sup> National Conference on Pediatric Education; 4<sup>th</sup> Nov 2019, AIIMS, Jodhpur
4. Atypical presentation of anaemia, Annual Conference of Knowledge Forum; Regional API Chapter, 8<sup>th</sup> Sept 2019, Jodhpur
5. Plenary session, RAJCRITICAN 2019; 31<sup>st</sup> Aug 2019, AIIMS, Jodhpur

#### **Invited Lectures**

1. Strategies to reduce postoperative pulmonary complications- Role of ERAS guidelines, 67<sup>th</sup> Annual National Conference of Indian Society of Anaesthesiologists; 26<sup>th</sup> Nov 2019, Bengaluru
2. Awareness during Anaesthesia: Consequences during ISACON 2019 Gujarat/West zone Conference, 13<sup>th</sup> Oct 2019, Vadodara
3. Arterial Blood Gas Interpretation during Annual Conference of Knowledge Forum, Regional API Chapter, 8<sup>th</sup> Sept 2019, Jodhpur

**Symposium Speaker**

1. The rising cost of ICU care in India – How do we cap? 26<sup>th</sup> Annual National Conference of Indian Society of Critical Care Medicine (CRITICARE); 28<sup>th</sup> Feb 2020, Hyderabad
2. Breaking Bad News, 12<sup>th</sup> Annual Conference of Indian Association of Paediatric Anaesthesiologists (IAPACON 2020); 9<sup>th</sup> Feb 2020, Varanasi.
3. Teaching and Training of PG Students, 29<sup>th</sup> Annual National Conference of Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON 2019); 27<sup>th</sup> -28<sup>th</sup> April 2019, Rohtak

**Research Project:****Ongoing:****As Principal Investigator**

1. Effect of Transpulmonary pressure guided PEEP titration on post-operative oxygenation parameters compared to conventional PEEP application in patients undergoing robotic pelvic surgery: An open label randomised controlled trial
2. Gastric insufflation with high flow nasal oxygen in patients of obstructive airway diseases: An observational study
3. Measurement of epidural depth with ultrasound and its correlation with body mass index in Indian paediatric population : A prospective observational study

**As Co-Investigator**

1. Cross-sectional evaluation of prevalence of depression in patients with Nociceptive and Neuropathic pain in India subpopulation
2. Comparison of malposition of i-gel in paediatric patients after blind and C-MAC guided insertion- A randomised controlled trial
3. Evaluation of the relationship between pre-operative cardiac autonomic function and perioperative hypotension risk in diabetic patients undergoing surgery
4. Study of Clostridium Difficile Infection in Patients with Antibiotic Associated Diarrhoea in Hospitalized Patients in Tertiary Care Center at AIIMS, Jodhpur
5. Ultrasonographic estimation of gastric emptying and residual volume after ingestion of two different quantities of clear fluid in children : A double blinded randomized controlled study
6. Evaluation of sonographic difficult airway predictors in patients undergoing caesarean section and their comparison with that of non-pregnant women: An observational cohort study
7. Comparison of Norepinephrine and Terlipressin versus Norepinephrine alone for management of Septic shock: A Randomized Control Study
8. Comparison of caudal dexmedetomidine and midazolam as an adjuvant to ropivacaine for post-operative pain relief in children undergoing infra-umbilical surgeries: A Prospective randomized controlled trial
9. Effect of steep Trendelenburg position on airway dimension, regional brain oximetry and optic nerve sheath diameter in patients undergoing robotic pelvic surgery: a prospective descriptive study
10. Study to find the relationship of preoperative anemia and postoperative outcomes following elective total joint arthroplasty: A prospective observational study
11. Comparison of phantom cadaver based simulations with blue phantom models for teaching ultrasound guided regional anaesthesia: A Randomized controlled trial
12. Assessment of pain on propofol injection with varying size of cannula in children undergoing surgery: An observational study
13. Evaluation of q NOX as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational study
14. Preoperative fasting practices among health care workers- a single center observational study

15. Evaluation of relationship between pre-operative cardiac autonomic function and perioperative hypotension in type-2 diabetes mellitus patients undergoing elective surgery
16. To study the incidence and etiology of ventilator associated events in cases admitted in adult ICU in a tertiary care centre in western rajasthan
17. Comparison of quality of life in patients treated with genicular nerve radiofrequency ablation with and without duloxetine in chronic knee osteoarthritis: A prospective randomized controlled study
18. Effect of duration of preoperative fasting on the incidence of emergence delirium in paediatric patients during recovery from general anesthesia: A randomized controlled trial
19. Comparing the diagnostic accuracy of presepsin and procalcitonin for sepsis in critically ill patients: A prospective observational study
20. Comparison of cuff inflation conventional technique for nasotracheal intubation using C-MAC video laryngoscope.: A prospective randomized controlled trial
21. Efficacy of continuous erector spinae plane block versus intravenous patient controlled analgesia following spine surgery: An open label RCT
22. Effect of music on anxiety and physiologic parameters in patients posted for surgery under regional nerve blocks: A Randomized control trial
23. Implementation of patient blood management strategies and its close monitoring as a quality improvement practice in elective surgical patients
24. Ex-Vivo effects of washing and leukoreduction on iron profile, including " Non-Transferrin-Bound-Iron" (NTBI), and "Storage Lesions" in Non-Irradiated and Irradiated Packed Red Blood Cell (PRBC) Units
25. To evaluate the efficacy and safety of Erector spinae plane block for postoperative analgesia after percutaneous nephrolithotomy: A Randomized Controlled Clinical Trial
26. To evaluate the efficacy and safety of continuous quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy: a randomized controlled clinical trial

#### **Completed:**

##### **As Principal Investigator**

1. Prevalence of sepsis in critically ill patients in India: A single-day, prospective, observational, multicentre, nation-wide point prevalence study

##### **Examinership**

1. MD (Anaesthesia). Tata Memorial Hospital, Mumbai. 6<sup>th</sup> November 2019
2. MD (Anaesthesia). Tata Memorial Hospital, Mumbai. 19<sup>th</sup> -21<sup>st</sup> June 2019

##### **Membership/Post in Journal or Society or Association**

1. Member; All India Difficult Airway Association (AIDAA)
2. Member; Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)

##### **National/ International Conferences attended:**

1. Jodhpur Arthroscopy Symposium 2019. AIIMS, Jodhpur, 20<sup>th</sup> -21<sup>st</sup> December, 2019.
2. ESPA Conference. Rotterdam, 19<sup>th</sup> -21<sup>st</sup> September, 2019.
3. 6th SG-ANZICS Asia Pacific Intensive Care Conference. Suntec Singapore Convention & Exhibition Centre, 18<sup>th</sup> -22<sup>nd</sup> April 2019.
4. Joint Leadership Conclave 2018 on Health Technologies. Jointly organized by AIIMS & IIT Jodhpur, 3<sup>rd</sup> - 4<sup>th</sup> December 2018.
5. 2nd Annual Live surgery and cadaveric dissection course in Rhinoplasty. Department of Otorhinolaryngology and Department of Anatomy, AIIMS, Jodhpur, 12<sup>th</sup> -13<sup>th</sup> October 2019.

**Name of Faculty: Dr. Manoj Kamal**

**Designation: Additional Professor**

**Paper Presented:**

1. Kamal M, Kumar M, Singariya G, Bhatia P. Real time ultrasound guided epidural placement in infants: our experience. Euroanaesthesia 2019 Congress; 1<sup>st</sup> -3<sup>rd</sup> June 2019, Messe Wien Exhibition Center, Vienna, Austria.

**Sessions Chaired:**

1. Burning issues in cardiac anaesthesia, 23<sup>rd</sup> IACTACON 2020; 7<sup>th</sup> Feb 2020, Holiday Inn Resort, Goa
2. Dealing with complications, 21<sup>st</sup> ISACON RAJASTHAN 2019; 21<sup>st</sup> Sept 2019, Puskar, Ajmer
3. Joint pain, ICRA PAIN 2019; 13<sup>th</sup> Sept 2019, Le Meridien, Nagpur
4. Low back pain, Comprehensive Interventional Pain Management (CIPM-XIV); 18<sup>th</sup> April 2019, D Y Patil Medical College, Navi Mumbai

**Invited Lectures:**

1. Conference Video: Hernia Block. ISACON Gujrat/WEST Zone 2019; 12<sup>th</sup> Oct 2019, Vadodara
2. Management of nausea and vomiting in palliative care patients, IAPC course; 30<sup>th</sup> Nov 2019, AIIMS, Jodhpur
3. Anaesthesia for fetal surgeries. ISA National sponsored P G Assembly; 10<sup>th</sup> Nov 2019, R N T Medical College, Udaipur
4. Role of ketamine and lignocaine infusion in neuropathic pain. 8<sup>th</sup> International Conference on Pain Management (ICPM); 15<sup>th</sup> October 2019, Government Medical College, Chandigarh
5. Minimizing blood loss in cardiac surgery. 21<sup>st</sup> ISACON RAJASTHAN 2019; 21<sup>st</sup> September 2019, Bhanwar Singh Palace, Puskar, Ajmer
6. Central neuraxial anaesthesia/Analgesia techniques. IAPA Mid-term CME; 21<sup>st</sup> July 2019, AIIMS, Jodhpur

**Symposium Speaker:**

1. Basic of ECG monitoring and detection of intraoperative ischemia. ISACON 2019; 25<sup>th</sup> -29<sup>th</sup> November 2019, Gayathri Vihar Palace Grounds, Bengaluru

**Resource Faculty:**

1. Session: Anaesthesia Workstation. International Conference of Perioperative Nursing (ICPN 2020); 25<sup>th</sup> Feb 2020, AIIMS Jodhpur
2. Judge for paper presentation, ASIRAJ-2019, 19<sup>th</sup> October 2019, AIIMS, Jodhpur
3. Judge for paper presentation, 21<sup>st</sup> ISACON RAJASTHAN 2019, 22<sup>nd</sup> September 2019, Puskar, Ajmer.

**Research Projects:**

**Ongoing:**

**As Principal Investigator**

1. Relation of severity of pain to emergence delirium after general anesthesia in young children: a prospective study.

**As Co-Investigator**

1. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following rib fracture: A Randomized open label trial

2. Measurement of epidural depth with ultrasound and its correlation with body mass index in Indian paediatric population: A observational study
3. Cross-sectional evaluation of prevalence of depression in patients with nociceptive and neuropathic pain in Indian subpopulation
4. Inferior vena cava respiratory variability as a predictor of post induction hypotension: A prospective observational study
5. The Mid Transvers process to pleura block for post-operative analgesia in patients undergoing modified radical mastectomy: A case series

#### **Completed:**

##### **As Principal Investigator**

1. Real-time in plane ultrasound guided thoracic epidural placement in infants undergoing abdominal surgeries: A prospective trial

##### **As Co-Investigator**

1. Effect of nitrous oxide and dexmedetomidine on the consumption of propofol during general anaesthesia in adult patients: A prospective randomized controlled trial.

#### **Scientific Awards:**

1. Fellow of Indian Academy of Pain Medicine. ISSPCON 2020; 8<sup>th</sup> February 2020
2. Proficiency award. For invaluable contribution and outstanding services to the Indian Society of Anaesthesiologists society, ISACON 2019; 29th November

#### **Examinership:**

1. Thesis Examiner. Jhalawar Medical College, Jhalawar; 24<sup>th</sup> February 2020
2. Thesis Examiner. Postgraduate Institute of Medical Education & Research, Chandigarh; 19<sup>th</sup> Feb, 2020
3. Thesis Examiner. RUHS at S P Medical College, Bikaner; 11<sup>th</sup> February 2020
4. Thesis Examiner. RUHS at S M S Medical College, Jaipur; 12<sup>th</sup> & 13<sup>th</sup> February 2020
5. Thesis Examiner. RUHS at Jhalawar Medical college, Jhalawar; 8th June 2019
6. Thesis Examiner. GCS Indraprastha University, New Delhi, MD Anaesthesiology; 2019-20
7. Thesis Examiner. Gujarat University for MD Anaesthesiology; 2019-20
8. Thesis Examiner. University of Delhi, MD Anaesthesiology; 2019-20
9. MD Anesthesiology practical examination, RUHS. Jhalawar Medical college, Jhalawar; 8<sup>th</sup> June 2019
10. MD Anaesthesia practical examination. AMCMET Medical college & LG Hospital, Gujarat University, Ahmedabad; 2-4 May 2019

#### **Membership/Post in Journal or Society or Association:**

1. Section Editor; Pain and Palliative Care, The Indian Anaesthetists Forum
2. Reviewer; Anaesthesia, Pain & Intensive Care
3. Hon. Secretary; Jodhpur Association of Cardiothoracic and Vascular Anaesthesiologists
4. Hon. Secretary; Indian society of anaesthesiologist, Rajasthan state chapter (September 2016-19)
5. Executive member; West Zone ISA
6. Executive member; ISSCM Jodhpur city branch
7. Executive member; AIDAA Jodhpur city branch

#### **National/ International Conferences attended:**

1. Comprehensive Interventional Pain Management Workshop (CIPM- XIV), DY Patil Medical College, Navi Mumbai; 20<sup>th</sup> -21<sup>st</sup> April 2019
2. Euroanaesthesia 2019, Vienna, Austria; 1<sup>st</sup> - 3<sup>rd</sup> June 2019
3. 8<sup>th</sup> International Conference on Pain Management (ICPM), Chandigarh; 12<sup>th</sup> -15<sup>th</sup> October 2019

4. 21<sup>st</sup> ISACON RAJASTHAN 2019, Bhanwar Singh Palace, Puskar, Ajmer; 21<sup>st</sup> -22<sup>nd</sup> September 2019
5. IAPA Mid-term CME, AIIMS, Jodhpur; 20<sup>th</sup> -21<sup>st</sup> July 2019
6. Comprehensive Interventional Pain Management Conference (CIPM- XIV), D Y Patil Medical College, Navi Mumbai; 18<sup>th</sup> -19<sup>st</sup> April 2019

**Name of Faculty: Dr. Nikhil Kothari**

**Designation: Additional Professor**

**Book Chapter:**

1. Manish Munjal, Parshotam Lal Gautam, Nikhil Kothari. Pleural Effusion and its impact on Weaning. In: Critical Care Update. Todi (editor), 2<sup>nd</sup> edition, New Delhi: Jaypee Publisher 2020; 55-58.

**Invited Lectures**

1. Inferior Vena Cava compressibility index as a predictor of hypotension during Spinal Anaesthesia. SASA Congress 2020, Pretoria, South Africa; March 2020.
2. Colonizer vs Pathogen. CRITICARE 2020, Hyderabad; February 2020.
3. Ventilation in ARDS and High Flow Nasal Cannula. North East Zone Critical Care CME/ CNE & Conference (NEZCCON), NEIGRIHMS, Shillong; 8<sup>th</sup>-10<sup>th</sup> November 2019
4. ACEI/ARBs should be continued in all patients undergoing non-cardiac surgery: For the Motion. 29<sup>th</sup> ISACON EAST ZONE Conference, Bhubaneswar; Oct 19.

**Resource Faculty:**

1. Organizing Secretary; 1<sup>st</sup> Rajasthan State Critical Care Conference: RAJCRITICON 31<sup>st</sup> August - 1<sup>st</sup> September 2019, Jodhpur
2. Organizer. AHA certified BLS and ACLS courses at AIIMS Jodhpur in May 2019 and Nov 2019.
3. Training Centre Faculty (TCF) for AHA certified BLS and ACLS courses.
4. Instrumental in establishing ITC. AIIMS Jodhpur
5. Workshop on Percutaneous Tracheostomy. ISA City branch Jaipur, ESIC Hospital Jaipur; October 2019.
6. AHA certified BLS and ACLS courses. AIIMS, Jodhpur; May 2019 and Nov 2019.
7. AHA certified BLS course. Vyas Dental College, Jodhpur; Oct 2019.

**Research Project:**

**Completed:**

**As Co-Investigator:**

1. Attitude of medical undergraduate students toward anesthesia as a future career: A cross sectional study.

**Membership**

1. Member; European Society of Intensive Care Medicine
2. Member; Society of Critical Care Medicine, USA

**National/ International Conferences attended:**

1. Workshop on Meta-analysis using R software, CMC, Vellore; Dec 2019.

2. SASA Congress 2020. Pretoria, South Africa; March 2020.

**Name of Faculty: Dr. Shilpa Goyal**

**Designation: Additional Professor**

**Paper presented**

1. Kothari N, Goyal S, Bhatia P. Inferior Vena Cava compressibility index as a predictor of hypotension during Spinal Anaesthesia. SASA Congress 2020; March 2020, Pretoria, South Africa

**Invited Lectures**

1. Course Faculty. AHA certified BLS and ACLS courses; May-Nov 2019
2. Fluid management in pediatric surgical patients. 21<sup>st</sup> ISACON Rajasthan, Ajmer; Sep 2019
3. 'CPR in newborn, pediatric age groups & in pregnancy, AIIMS Anaesthesiology Post Graduate Assembly; Oct 2019
4. Invited faculty. AHA certified BLS course, Vyas Dental College, Jodhpur; Oct 2019
5. ACEI/ARBs should be continued in all patients undergoing non-cardiac surgery:- Against the Motion. 29<sup>th</sup> ISACON EAST ZONE 2019; Oct 19
6. LAST – Current Perspective. IAPA- 2020, BHU, Varanasi; Feb 2020
7. Effect of Anaesthetic Agents on Incidence of Emergence Delirium in Children during recovery from General Anaesthesia- a Prospective Observational Cohort Study. SASA Congress 2020, Pretoria, South Africa; March 2020

**Resource Faculty:**

1. Organizer. AHA certified BLS and ACLS courses at AIIMS Jodhpur in May 2019 and Nov 2019.
2. Organizing secretary. IAPA- Mid term 2019 under the aegis of Indian Academy of Pediatric Anesthesiologists ( National Body)
3. Training Centre Faculty (TCF). AHA certified BLS & ACLS course, AIIMS, Jodhpur; May 2019 & Nov 2019
4. Instrumental in establishing ITC, AIIMS, Jodhpur

**Research Project:**

**Completed:**

**As Principal Investigator:**

1. Attitude and knowledge of medical undergraduate students towards Basic Life Support: A cross sectional study

**As Co-Investigator:**

1. Attitude of medical undergraduate students toward anesthesia as a future career: A cross sectional study
2. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective randomized study.

**Ongoing:**

1. Comparison of MTP block and ESP block for postoperative in modified radical mastectomy patients: A double blinded randomized trial.
2. Comparison of epidural Morphine versus epidural Dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, Randomized Control Trial.
3. Association of pre-operative anxiety, fasting duration and incidence of emergence delirium in children: A Prospective Observational Study

**Membership/Post in Journal or society or Association**

1. Life time Membership; SPA
2. Section Editor; Pediatric Anesthesia in Indian Anesthetist's Forum

**National/ International Conferences attended:**

1. Workshop on Meta-analysis using R software. CMC, Vellore; Dec 2019
2. SASA Congress 2020. Pretoria, South Africa; March 2020

**Any other information:**

1. Theses adjudication of various Institutes in India.

**Name of Faculty: Dr. Sadik Mohammed**  
**Designation: Associate Professor**

**Papers Presented:**

1. Mohammed S, Bhatia P, Chhabra S, Kumar R, Paliwal B, Syal R. Inferior vena cava diameter and its respiratory variability as a predictor of post induction hypotension: A prospective, observational study. South African Society of Anaesthesiologists (SASA) Congress 2020, CSIR Convention Center, Pritoria, South Africa; 11<sup>th</sup> - 15<sup>th</sup> March 2020
2. Mohammed S, Bhatia P, Chhabra S, Paliwal B. Congenital Tracheomalacia unmasked following repair of Type B Tracheoesophageal Fistula: Our Experience with two consecutive cases. 96th Annual National Conference of the Korean Society of Anaesthesiologists (KorAnaesthesia 2019); 31st October 2019 to 02nd November 2019; Gangnam-gu, Seoul, Korea.
3. Chhabra S, Bhatia P, Mohammed S, Kumar R, Chhabra D. Regional cerebral desaturation in a patient with carotid artery stenosis, undergoing total knee arthroplasty: A case report. 96th Annual Scientific meeting of the Korean Society of Anaesthesiologists; 31<sup>st</sup> October – 2<sup>nd</sup> November 2019, Incheon, Korea
4. Mohammed S, Bhatia P, Chhabra S, Paliwal B. Congenital Tracheomalacia unmasked following repair of Type B Tracheoesophageal Fistula: Our Experience with two consecutive cases; 2nd World Airway Management Meeting (WAMM 2019); 13th to 16th November 2019; Amsterdam, Netherland.
5. Paliwal B, Arora N, Kamal M, Bhatia P, Chauhan DS, Mohammed S. Effect of intravenous fentanyl and clonidine on Bispectral index in response to orotracheal intubation after induction with propofol. 2<sup>nd</sup> World Airway Management Meeting (WAMM 2019); 13th to 16th November 2019, Amsterdam, Netherland.
6. Bhatia P, Verma S, Mohammed S, Sharma V. Comparison of Nebulised versus Intranasal Dexmedetomidine for Premedication in Paediatric Patients: A RCT. 11<sup>th</sup> European Congress on Paediatric Anaesthesiology (ESPA 2019); 19<sup>th</sup> – 21<sup>st</sup> September 2019, Rotterdam, Netherland.
7. Gupta S, Mohammed S, Bhatia P, Chhabra S, Kumar R. Accidental Breakage of needle during Subclavian Vein Cannulation: An adversity uncalled for! 1<sup>st</sup> Rajasthan State Critical Care Conference RAJCRITICON 2019; 31<sup>st</sup> August – 1<sup>st</sup> September 2019, AIIMS, Jodhpur.
8. Sharma L, Mohammed S, Chhabra S, Bhatia P, Kamal M, Bihani P. Pulmonary hyperinfection with Strongyloides Stercoralis in an immunocompetent patient. 1<sup>st</sup> Rajasthan State Critical Care Conference "RAJCRITICON 2019"; 31<sup>st</sup> August – 1<sup>st</sup> September 2019, AIIMS, Jodhpur.

**Sessions Chaired:**

1. Pro and Con session on "Preoxygenation at Anaesthesia Induction", 29th Annual Conference of Research Society of Anaesthesiology and Clinical Pharmacology; 26th to 28th April 2019, Shushruta Auditorium, Pt. B D Sharma University of Health Sciences, Rohtak.



2. Rapid Fire session. 26<sup>th</sup> Annual National Conference of Indian Society of Critical Care Medicine; 26<sup>th</sup> Feb - 1<sup>st</sup> March 2020; Hyderabad International Convention Center (HICC), Hyderabad.

#### Invited Lectures

1. Laparoscopic surgery in children and adolescent: Anaesthetic considerations. Paediatric Anaesthesiology CME and Airway Workshop; 21<sup>st</sup> July 2019; AIIMS, Jodhpur.
2. Airway Management in Head and Neck Trauma. 10th National Airway Conference; 6<sup>th</sup> – 8<sup>th</sup> September 2019, K S Hegde Medical Academy, Mangaluru.
3. Perioperative Ventilatory Strategy. 52nd Annual Conference of Indian Society of Anaesthesiologists-Gujarat State Branch & 15th Annual Conference of ISA West Zone; 11<sup>th</sup> - 13<sup>th</sup> October 2019, Grand Mercure Surya Palace, Vadodara.

#### Resource Faculty:

1. Preconference workshop on “Research Methodology”. 67<sup>th</sup> Annual National conference of Indian Society of Anaesthesiologists; 25<sup>th</sup> – 30<sup>th</sup> November 2019, Gayatri Vihar Palace, Bengaluru.
2. Workshop on Basic Transesophageal Echocardiography. AIIMS Jodhpur Basic TEE Workshop; 8<sup>th</sup> December 2019, AIIMS, Jodhpur.
3. Hands-on workstation on ESP and Paravertebral Block. 9<sup>th</sup> Annual National Conference of Academy Of Regional Anaesthesia (AORA) 2019; 4<sup>th</sup> – 7<sup>th</sup> July 2019, Le Meridian, Coimbatore.
4. Hand-on workstation on “Pre and Para oxygenation (THRIVE)”. Paediatric Anaesthesiology CME and Airway Workshop; 20th July 2019, AIIMS, Jodhpur.
5. Workshop on Basics of Mechanical Ventilation. 1st Rajasthan State Critical Care Conference “RAJCRITICON 2019”; 31<sup>st</sup> Aug – 1<sup>st</sup> Sept 2019, AIIMS, Jodhpur.

#### Research Project:

##### Ongoing:

##### As Co-Investigator

1. A Single Lumen Dual Curvature tube for paediatric endobronchial intubation: A case series
2. Comparison of Malposition of i-gel in paediatric patients after blind and C-MAC guided insertion: A randomized controlled trial.
3. Thoracic Epidural versus Erector Spinae plane block for Analgesia in patients with multiple rib fracture.

##### Completed:

##### As Principal Investigator

1. Inferior Vena Cava Respiratory variability as a predictor of post induction hypotension: A prospective observational study; No Funding; No Collaboration

##### As Co-Investigator

1. Prevalance of sepsis in critically ill patient in India: A single day, prospective, observational, multicenter, nation-wide point prevalence study; Funded by The George Institute; Collaborating Institute The George Institute for Global Health.

#### Membership/Post in Journal or Society or Association

1. Section Editor; Regional Anaesthesia “The Indian Anaesthesists Forum”

#### National/ International Conferences attended:

1. Phase II of 2nd JIPMER Research Leadership Mentoring Programme (JRLMP). Department of Biostatistics, JIPMER, Pondicherry, 8<sup>th</sup> - 12<sup>th</sup> April 2019.

2. 29th Annual Conference of Research Society of Anaesthesiology and Clinical Pharmacology. PGIMER Rohtak, at Shushruta Auditorium, Pt. B D Sharma University of Health Sciences, Rohtak, 26<sup>th</sup> - 28<sup>th</sup> April 2019.
3. 9<sup>th</sup> Annual National Conference of Academy of Regional Anaesthesia (AORA) 2019, Department of Anaesthesiology and Perioperative Care, Ganga Hospital Coimbatore, at Le Meridian, Coimbatore, 4<sup>th</sup>-7<sup>th</sup> July 2019.
4. 10th National Airway Conference (NAC) 2019, organised by AIDAA City Branch Mangaluru, KS Hegde Medical Academy Mangaluru, 6<sup>th</sup> - 8<sup>th</sup> Sept 2019.
5. 52nd Annual Conference of Indian Society of Anaesthesiologists- Gujarat State Branch & 15th Annual Conference of ISA West Zone, ISA Vadodara City Branch, Grand Mercure Vadodara Surya Palace, 11<sup>th</sup> - 13<sup>th</sup> Oct 2019.
6. 2nd World Airway Management Meeting (WAMM 2019). Amsterdam, Netherland, 13<sup>th</sup> - 16<sup>th</sup> Nov 2019.
7. 67th Annual National Conference of Indian Society of Anaesthesiologists conference (ISACON) 2019, ISA city branch Bengaluru, Gayatri Vihar Palace, Bengaluru, 25<sup>th</sup> - 30<sup>th</sup> November 2019.
8. 26th Annual National Conference of Indian Society of Critical Care Medicine, ISCCM National, Hyderabad International Convention Center (HICC), Hyderabad, 26<sup>th</sup> Feb - 1<sup>st</sup> March 2020.
9. South African Society of Anaesthesiologists (SASA) Congress 2020, CSIR Convention Center, Pritoria, South Africa, 11<sup>th</sup> - 15<sup>th</sup> March 2020.

**Name of Faculty: Dr Bharat Paliwal**

**Designation: Associate Professor**

#### **Books/Chapters**

1. Santosh T Soans & Nitin Chawla. Procedural Sedation and analgesia in Pediatric emergencies In: IAP Textbook of Pediatric & Neonatal Emergencies, Santosh T Soans & Nitin Chawla (editors), 1<sup>st</sup> Ed, New Delhi, Jaypee Brothers Medical Publishers 2019; 26-35

#### **Papers Presented:**

1. Paliwal B. Evaluation of qNOX as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational pilot study. SASA 2020; 11<sup>th</sup> -15<sup>th</sup> March 2020, CSIR, Pretoria, South Africa
2. Poster presentation 'Knowledge, Attitude and Practice about Preoperative Fasting Practices among Health Care Workers - A single center Observational study', NAMSCON 2019; 11th-13th Oct 2019, AIIMS Bhopal
3. E-poster presentation 'Effect of intravenous fentanyl and clonidine on Bispectral index in response to orotracheal intubation after induction with propofol'. World Airway Management Meeting 2019; 13<sup>th</sup> - 16<sup>th</sup> Nov 2019, Amsterdam

#### **Sessions Chaired:**

1. Optimal versus high flow oxygen therapy in ICU. RSACPCON 2019; 27<sup>th</sup> -28<sup>th</sup> April 2019, Pt. B. D. Sharma Medical College, Rohtak.
2. Cancer Pain Management. CIPM-IX 2019; 18<sup>th</sup>-21<sup>st</sup> April 2019, D Y Patil Hospital, Mumbai

#### **Invited Lectures**

1. Ventilation strategies for ARDS, ISACON RAJASTHAN 2019; 21<sup>st</sup> -22<sup>nd</sup> Sept 2019, Bhanwarsingh Palace, Pushkar, Ajmer
2. One stop Pre Anaesthetic Clinic: what can we diagnose and manage ourselves and when to involve a specialist, ISACON RAJASTHAN 2019; 21<sup>st</sup> -22<sup>nd</sup> Sept 2019, Bhanwarsingh Palace, Pushkar, Ajmer

3. DVT: Risk stratification and Prevention, 1<sup>st</sup> Rajasthan State Critical Care Conference (RAJCRITICON 2019), 31<sup>st</sup> August- 1<sup>st</sup> Sept 2019, AIIMS Jodhpur.
4. Cancer Pain management. ELNEC program, 8<sup>th</sup>-9<sup>th</sup> August 2019, AIIMS Jodhpur.

#### **Resource Faculty:**

1. Low flow Anaesthesia Workshop. 6-7 March 2020, AIIMS Jodhpur
2. Instructor AHA certified BLS & ACLS provider course. 20<sup>th</sup> – 22<sup>nd</sup> Dec 2019, Eternal Heart Care Center, Jaipur
3. Mechanical Ventilation workshop. 1st Rajasthan State Critical Care Conference (RAJCRITICON 2019), 31<sup>st</sup> August- 1<sup>st</sup> Sept 2019, AIIMS Jodhpur.
4. Judge for poster competition. ISACON RAJASTHAN 2019; 21<sup>st</sup> -22<sup>nd</sup> Sept 2019, Bhanwarsingh Palace, Pushkar, Ajmer.
5. Conduction of RSA election for President Election. 21<sup>st</sup> ISACON RAJASTHAN 2019, 21<sup>st</sup> -22<sup>nd</sup> September at Bhanwarsingh Palace, Pushkar, Ajmer.
6. Pediatric Anaesthesiology CME & Airway Workshop, 20<sup>th</sup> -21<sup>st</sup> July 2019 AIIMS, Jodhpur
7. Instructor AHA certified BLS & ACLS provider course, 9<sup>th</sup>-11<sup>th</sup> May 2019, AIIMS Jodhpur.
8. Conducted PG quiz. RSACPCON 2019; 27<sup>th</sup> -28<sup>th</sup> April 2019. Pt. B. D. Sharma Medical College, Rohtak

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Evaluation of qNOX as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational study.

##### **As Co-Investigator**

1. Relation of severity of pain to emergence delirium after general anesthesia in young children: a prospective study.
2. A comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin- An observational study.
3. Haemodynamic changes during induction in patients on single versus combination of antihypertensive drugs, undergoing elective surgeries under General Anaesthesia: An observational Study.
4. A newer approach for thoracic paravertebral block “The mid-point transverse process to pleura (MTP) block” for post-operative analgesia in patients undergoing modified radical mastectomy: A case series.
5. Real-time in plane ultrasound guided thoracic epidural placement in infants undergoing abdominal surgeries: A prospective trial.
6. Cross-sectional evaluation of prevalence of depression in patients with Nociceptive and Neuropathic pain in Indian Subpopulation.
7. Vertical Integration in Postgraduate Teaching for Anaesthesiology Residents: A questionnaire based descriptive cross-section study.

#### **Membership/Post in Journal or Society or Association**

1. Member; National Academy of Medical Sciences

#### **National/ International Conferences attended:**

1. SASA National Congress 2020. Pretoria, South Africa, 11<sup>th</sup> -15<sup>th</sup> March 2020
2. World Airway Management Meeting 2019, Difficult Airway Society (DAS), Society for Airway Management (SAM) and the European Airway Management Society (EAMS), Amsterdam, 13<sup>th</sup> - 16<sup>th</sup> Nov 2019
3. 59<sup>th</sup> Annual Conference of National Academy of Medical Sciences (India) NAMSCON 2019, AIIMS Bhopal, 11<sup>th</sup> -13<sup>th</sup> October 2019
4. ISACON Rajasthan 2019. Ajmer, 21<sup>st</sup>-22<sup>nd</sup> Sept 2019
5. RSACPCON 2019. Rohtak, 27<sup>th</sup> -28<sup>th</sup> April 2019

6. CIPM-IX Conference & Workshop on Interventional Pain Management. Mumbai, 17<sup>th</sup>-21<sup>st</sup> April 2019
7. Workshop on Ultrasound in Emergency. AIIMS, Jodhpur, 10<sup>th</sup> April 2019

**Name of Faculty: Dr. Swati Chhabra**

**Designation: Associate Professor**

**Papers Presented:**

1. Mohammed S, Bhatia P, Chhabra S, Paliwal B. Congenital Tracheomalacia unmasked following repair of tracheoesophageal fistula: An experience with two cases. At 96<sup>th</sup> Annual Scientific meeting of the Korean Society of Anaesthesiologists, 31<sup>st</sup> October - 2<sup>nd</sup> November, 2019, Incheon, Korea.
2. Chhabra S, Bhatia P, Mohammed S, Kumar R, Chhabra D. Regional cerebral desaturation in a patient with carotid artery stenosis, undergoing total knee arthroplasty: A case report. At 96<sup>th</sup> Annual Scientific meeting of the Korean Society of Anaesthesiologists, 31<sup>st</sup> October to 2<sup>nd</sup> November 2019, Incheon, Korea.

**Sessions Chaired:**

1. USG in Neuroanaesthesiology. Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC 2020), Mahabalipuram, Chennai; 31<sup>st</sup> Jan - 2<sup>nd</sup> Feb 2020

**Invited Lectures & Symposium Speaker**

1. Pro con Session on Preoxygenation at Induction. 29<sup>th</sup> Annual Conference of Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON), Pt BDS PGIMS, Rohtak; 26<sup>th</sup> - 28<sup>th</sup> April, 2019
2. Lecture on Timing of initiation of neuraxial block and impact on progress of labour. 21<sup>st</sup> Annual Conference (RAJISACON-2019), Ajmer; 21<sup>st</sup> - 22<sup>nd</sup> Sept 2019
3. Drug-Drug Interactions. 8<sup>th</sup> International Conference on Pain Management (ICPM 2019), GMCH Chandigarh; 12<sup>th</sup>- 15<sup>th</sup> Oct 2019

**Resource Faculty:**

1. PNS & USG, Upper & Lower extremity, chest wall and abdominal blocks. 9<sup>th</sup> National Conference of the Academy of Regional Anaesthesia of India (AORA 2019), Ganga Hospital, Coimbatore; 4<sup>th</sup> - 7<sup>th</sup> July 2019
2. Paediatric Airway Workshop. AIIMS, Jodhpur; 20<sup>th</sup> July 2019
3. Workshop on Ultrasound & ECHO in ICU. AIIMS Jodhpur; 1<sup>st</sup> Sept 2019
4. Workshop on USG in Trauma. 29<sup>th</sup> ISACON East Zone, Bhubaneswar; 20<sup>th</sup> Oct 2019

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Vertical Integration in postgraduate teaching for anaesthesiology residents: A questionnaire based descriptive cross-sectional study

**As Co-Investigator**

1. Evaluation of sonographic difficult airway predictors in patients undergoing caesarean section and their comparison with that of non-pregnant women: An observational cohort study
2. Gastric insufflation with high flow nasal oxygen in patients of obstructive airway diseases: an observational study

**Completed:**

**As Co-Investigator**

1. Inferior vena cava respiratory variability as a predictor of post induction hypotension: A prospective, observational study (CTRI/2018/01/011108)
2. Comparison of incidence of emergence delirium in paediatric patients with three different techniques of general anaesthesia using sevoflurane and propofol: a randomized controlled trial
3. Comparison of the efficacy of VOTE and NOHL classification systems used to report drug induced sleep endoscopy (DISE) findings in obstructive sleep apnea hypopnea syndrome (OSAHS) patients in surgical planning

#### Scientific Awards/Patents

1. **Best paper award.** presented for Congenital Tracheomalacia unmasked following repair of tracheoesophageal fistula: An experience with two cases, 96<sup>th</sup> Annual Scientific meeting of the Korean Society of Anaesthesiologists, Incheon, Korea, 31<sup>st</sup> Oct - 2<sup>nd</sup> Nov 2019
2. **Proficiency award.** Indian Society of Anaesthesiologists at ISACON 2019, Bengaluru, 29<sup>th</sup> Nov 2019

#### Membership/Post in Journal or Society or Association

1. Life member; ISNACC (Indian Society of Neuroanaesthesiology and Critical Care)
2. Life member; AORA (Academy of Regional Anaesthesia of India)
3. Associate Editor; The Indian Anaesthetist's Forum

#### National/ International Conferences attended:

1. 29<sup>th</sup> Annual Conference of Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON). Pt BDS PGIMS Rohtak, 26<sup>th</sup> - 28<sup>th</sup> April 2019
2. 9<sup>th</sup> National Conference of the Academy of Regional Anaesthesia of India (AORA 2019). Ganga Hospital, Coimbatore, 4<sup>th</sup> - 7<sup>th</sup> July 2019
3. 1<sup>st</sup> Rajasthan Critical Care Conference (RAJCRITICON 2019). AIIMS, Jodhpur, 31<sup>st</sup> Aug - 1<sup>st</sup> Sept 2019
4. 21<sup>st</sup> Annual Conference (RAJISACON-2019). Ajmer, 21<sup>st</sup>- 22<sup>nd</sup> Sept 2019
5. Workshop on 'Suicide prevention and safety planning: How we can help. Department of Psychiatry, AIIMS, Jodhpur, 11<sup>th</sup> Oct 2019
6. 8<sup>th</sup> International Conference on Pain Management (ICPM 2019). GMCH Chandigarh, 12<sup>th</sup> - 15<sup>th</sup> October, 2019
7. 29<sup>th</sup> ISACON East zone. AIIMS, Bhubaneswar, 18<sup>th</sup> - 20<sup>th</sup> Oct 2019
8. 96<sup>th</sup> Annual Scientific meeting of the Korean Society of Anaesthesiologists, at Incheon, Korea, 31<sup>st</sup> Oct - 2<sup>nd</sup> Nov 2019
9. CME & Rhythm Workshop. Department of Cardiology at AIIMS Jodhpur, 18<sup>th</sup> - 19<sup>th</sup> Jan 2020
10. Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC 2020). Mahabalipuram, 31<sup>st</sup> January - 2<sup>nd</sup> February 2020

**Name of Faculty: Dr. Rakesh Kumar**

**Designation: Associate Professor**

#### Sessions Chaired:

1. Session, ISACON2019 Gujarat/West zone, Vadodara, 11<sup>th</sup> – 13<sup>th</sup> Oct 2019

#### Resource Faculty

1. Workshop faculty. 9<sup>th</sup> National Conference of the Academy of Regional Anaesthesia of India, (AORA), Coimbatore; 4<sup>th</sup> - 7<sup>th</sup> July 2019

2. Workshop Faculty. Paediatric Anaesthesiology CME & Airway workshop, 20<sup>th</sup> - 21<sup>st</sup> July 2019
3. Workshop Faculty. 1<sup>st</sup> Rajasthan critical care conference, 31<sup>st</sup> Aug - 1<sup>st</sup> Sept 2019
4. Panel discussion: Unanticipated difficult airway. ISACON Gujarat /West zone 2019, Vadodra, 11<sup>th</sup>-13<sup>th</sup> Oct 2019
5. Airway Workshop Faculty. ISACON Gujarat /West zone 2019 Vadodara, 11<sup>th</sup>-13<sup>th</sup> Oct 2019
6. Workshop faculty. 10<sup>th</sup> Interventional Perioperative Sonography Association Workshop and Conference (IPSA), Max super specialty hospital New Delhi, 22<sup>nd</sup> -23<sup>rd</sup> Feb 2020

**Research Project:****Ongoing:****As Principal Investigator**

1. Comparison of malposition of i-gel in pediatric patients after blind and C-MAC guided insertion-A randomized controlled trial

**As Co-Investigator**

1. As guide- Comparison of cuff inflation and conventional technique of nasotracheal intubation using C-MAC videolaryngoscope. A prospective randomized controlled trial.

**Membership/Post in Journal or Society or Association**

1. Hon. Secretary; All India Difficult Airway Association Jodhpur City Branch
2. Editorial member; Indian Anaesthetic forum

**National/ International Conferences attended:**

1. 9<sup>th</sup> National conference of Academy of Regional Anesthesia of India, Coimbatore, 4<sup>th</sup>-7<sup>th</sup> July 2019
2. ISACON Gujarat /West zone 2019, Vadodara, 11<sup>th</sup>-13<sup>th</sup> October 2019
3. 10<sup>th</sup> Interventional perioperative sonography workshop and Conference. New Delhi, 22<sup>nd</sup>-23<sup>rd</sup> Feb, 2020

**Workshops/ Conferences Organized**

1. Paediatric Anaesthesiology CME & Airway workshop, July 20<sup>th</sup>- 21<sup>st</sup> 2019
2. 1<sup>st</sup> Rajasthan critical care conference, 31<sup>st</sup> Aug - 1<sup>st</sup> Sept 2019
3. One day trans esophageal echocardiography workshop, 8<sup>th</sup> December 2019
4. Low flow Anesthesia & Airway Workshop, 7<sup>th</sup>- 8<sup>th</sup> March 2020.

**Any other information:**

1. Observership in Department of Anesthesia, Critical care and Pain Medicine from 16<sup>th</sup> -20<sup>th</sup> September 2019 at Massachusetts General Hospital, Boston, USA
2. Attended 3<sup>rd</sup> JIPMER Research Leadership Mentoring Programme Conducted by JIPMER Puducherry Phase-I (25<sup>th</sup> -29<sup>th</sup> November 2019) & Phase-2 (10<sup>th</sup> -14<sup>th</sup> February 2020)
3. Successfully Clear Indian Diploma of Regional Anesthesia Part 2 (IDRA-II) Examination conducted at Interventional perioperative sonography workshop and conference, Delhi on 22<sup>nd</sup> February 2020

**Name of Faculty: Dr. Priyanka Sethi**

**Designation: Assistant Professor**

**Sessions Chaired:**

1. Plenary session, 21<sup>st</sup> annual conference of Indian society of anesthesiologist, Rajasthan state chapter 'ISACON, Ajmer, 21-22 September 2019.

#### Invited Lectures

1. Regional anesthesia in pediatric patients. 21<sup>st</sup> Annual conference of Indian society of anesthesiologist, Rajasthan state chapter ISACON, Ajmer, 21<sup>st</sup> -22<sup>nd</sup> September 2019.
2. Faculty for AHA certified BLS/ACLS, Gattani hospital, Jodhpur, 3<sup>rd</sup>-5<sup>th</sup> March 2020
3. Faculty for CME Paediatric anesthesiology, AIIMS, Jodhpur, 21<sup>st</sup> July 2019.
4. Faculty for Low flow anesthesia workshop. AIIMS, Jodhpur, 6<sup>th</sup> -7<sup>th</sup> March 2020
5. Faculty Pocus workshop. RAJCRITICON 2019, AIIMS, Jodhpur, 31<sup>st</sup> Aug 2019 -1<sup>st</sup> September 2019
6. Faculty for AHA certified BLS/ACLS course. Eternal Hospital, Jaipur, 3<sup>rd</sup> – 5<sup>th</sup> Dec 2019

#### Resource Faculty:

1. Organised workshop on CME Pediatric Anaesthesiology, 21<sup>st</sup> July 2019, AIIMS, Jodhpur,
2. Organised Annual conference of Rajasthan critical care society Raj criticon 2019, 31<sup>st</sup> Aug 2019 -1<sup>st</sup> Sept 2019, AIIMS, Jodhpur.
3. Organised workshop on Low flow anesthesia, 6<sup>th</sup> -7<sup>th</sup> March 2020.

#### Research Project:

##### Ongoing:

##### As Principal Investigator

1. Comparison of mid point transverse process to pleura (MTP) block and Erector spinae block for post operative pain in MRM patients: A double blinded randomized control trial.
2. Haemodynamic changes during induction in patients on combination of antihypertensive drugs, undergoing elective surgeries under general anaesthesia: An observational study.

##### As Co-Investigator

1. Comparison of epidural morphine versus dexamethasone for post operative analgesia following lumbar dissection: A double blind randomized control study.
2. Comparison of intranasal dexmedetomidine – midazolam, ketamine –midazolam and dexmedetomidine – ketamine for premedication in paediatric patients: A double blinded randomized trial.
3. A study to ascertain the concentration of propofol using target controlled infusion to achieve bispectral index guided sedation for monitored care.
4. Comparison of qCON with the Richmond Agitation Sedation Scale during dexmedetomidine induced sedation in mechanically ventilated patients.
5. Effect of transpulmonary pressure guided peep titration on post operative oxygenation parameters compared to conventional peep applications in patients undergoing laproscopic pelvis surgeries: An open label randomised control trial
6. Effect of music on anxiety scores in patients posted for surgery under regional nerve blocks: A Randomized Control Trial.
7. Comparison of caudal dexmedetomidine and midazolam as an adjuvant to ropivacaine for post-operative pain relief in children undergoing infra-umbilical surgeries : A Prospective randomised controlled trial"

##### Completed:

##### As Co-Investigator:

1. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: A Prospective randomized control trial.

2. Comparison of Continuous Erector Spinae Plane Block and Thoracic Paravertebral Block for Postoperative Analgesia in Patients undergoing Modified Radical Mastectomy: A Randomized Control Non-inferiority Trial

#### **Membership/Post in Journal or Society or Association**

1. Member; National academy of medical sciences

#### **National/ International Conferences attended:**

1. CME Pediatric Anaesthesiology. AIIMS, Jodhpur, 21<sup>st</sup> July 2019
2. Annual conference of Rajasthan critical care society Raj criticon 2019. AIIMS, Jodhpur, 31<sup>st</sup> August 2019 -1<sup>st</sup> September 2019
3. Workshop on Low flow anesthesia, 6<sup>th</sup> -7<sup>th</sup> March 2020.
4. 21<sup>st</sup> Annual conference of Indian society of anesthesiologist, Rajasthan state chapter ISACON, Ajmer, 21<sup>st</sup> -22<sup>nd</sup> September 2019

**Name of Faculty: Dr. Kamlesh Kumari**

**Designation: Assistant Professor**

#### **Sessions Chaired:**

1. Poster competition, CME Paediatric anesthesiology, 21<sup>st</sup> July 2019, AIIMS, Jodhpur
2. Poster competition, RAJCRITICON 2019: 1<sup>st</sup> Rajasthan Critical Care Conference – 31<sup>st</sup> Aug – 1<sup>st</sup> Sept 2019, AIIMS, Jodhpur

#### **Invited Lectures:**

1. Course faculty. AHA certified BLS and ACLS courses, 21<sup>st</sup> -23<sup>rd</sup> Nov 2019, AIIMS Jodhpur
2. Course faculty. ATLS provider course, Jan 2020, AIIMS Jodhpur
3. Basic Anaesthesia Machine in Low Flow Anaesthesia & Vaporizers. 7<sup>th</sup> - 8<sup>th</sup> March 2020, AIIMS, Jodhpur

#### **Resource Faculty:**

1. Paediatric Anaesthesiology CME & Airway workshop; 20<sup>th</sup> - 21<sup>st</sup> July 2019, AIIMS Jodhpur
2. Low flow Anesthesia & Vaporizers; 7<sup>th</sup> - 8<sup>th</sup> March 2020, AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator:**

1. To evaluate the efficacy and safety of erector spinae plane block for postoperative analgesia after percutaneous nephrolithotomy: A Randomized Controlled Clinical Trial
2. To evaluate the efficacy and safety of continuous quadratus lumborum block for postoperative analgesia after laparoscopic nephrectomy – A prospective randomised clinical trial
3. Effect of duration of preoperative fasting on the incidence of emergence delirium in paediatric patients during recovery from general anesthesia: a randomized controlled trial
4. Effect of music on anxiety scores in patients posted for surgery under regional nerve blocks: A Randomized Control Trial.
5. Evaluation of sonographic difficult airway predictors in patients undergoing caesarean section and their comparison with that of non-pregnant women: An observational cohort study



- Evaluation of sonographic difficult airway predictors in patients undergoing caesarean section and their comparison with that of non-pregnant women: An observational cohort study

#### **Membership/Post in Journal or Society or Association**

- Life Member; All India Difficult Airway Association (AIDAA)
- Life Member; Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)

#### **National/ International Conferences attended:**

- Paediatric Anaesthesiology CME & Airway workshop. AIIMS, Jodhpur, 20<sup>th</sup> - 21<sup>st</sup> July 2019
- RAJCRITICON 2019: 1st Rajasthan Critical Care Conference. AIIMS, Jodhpur, 31<sup>st</sup> – 1<sup>st</sup> Sept 2019
- NCPE 2019, Competency based medical education from learning to doing and Work Shop on 'Workplace based assessment'. Department of Paediatrics, AIIMS Jodhpur, 3<sup>rd</sup> – 5<sup>th</sup> Nov 2019
- CME & Rhythm Workshop. Department of Cardiology, AIIMS, Jodhpur, 18<sup>th</sup> - 19<sup>th</sup> Jan 2020.
- Workshop on Low flow anesthesia & Vaporizers, AIIMS, Jodhpur, 6<sup>th</sup> -7<sup>th</sup> March 2020

#### **Workshops/ Conferences Organized**

- American Heart Association (AHA) Certified BLS and ACLS Provider Course. AIIMS, Jodhpur, 9<sup>th</sup> -11<sup>th</sup> May 2019
- CME Paediatric Anaesthesiology and airway workshop. AIIMS Jodhpur, 20<sup>th</sup> -21<sup>st</sup> July 2019
- The Trainer Course for Nursing officers on Pain end of life care. AIIMS Jodhpur, 8<sup>th</sup> -10<sup>th</sup> August 2019
- RAJCRITICON 2019: 1st Rajasthan Critical Care Conference. AIIMS Jodhpur, 31<sup>st</sup> August- 1<sup>st</sup> Sept 2019
- American Heart Association (AHA) Certified BLS and ACLS Provider Course, AIIMS Jodhpur, 21<sup>st</sup> – 23<sup>rd</sup> November 2019
- Essentials of Palliative Care (CCEPE). AIIMS Jodhpur, 30<sup>th</sup> November- 1<sup>st</sup> December 2019
- CME on volatile agent of choice for long and short duration of surgeries by Dr Rajesh Tope. AIIMS Jodhpur, 6<sup>th</sup> December 2019
- Half day workshop on "preoperative TEE examination" by Dr Deepak Tempe. AIIMS Jodhpur, 7<sup>th</sup> December 2019.
- Low Flow Anaesthesia & Vaporizers. AIIMS Jodhpur, 7<sup>th</sup> - 8<sup>th</sup> March 2020
- Critical Care Mock Test 6 (2020). AIIMS Jodhpur, 7<sup>th</sup> March 2020

#### **Any other information:**

We have organized RAJCRITICON 2019: 1st Rajasthan Critical Care Conference on 31<sup>st</sup> August and 1<sup>st</sup> September, 2019. The conference was attended by about 200 anaesthesiologists and intensivists from across the country. The first day of the conference included scientific program which was diverse in both topics and formats. The basics and recent update in critical care were discussed through talks, panel discussion, pro and con session, to cater to the interests of students and experts. This was followed by workshop on mechanical ventilation and ICU care. The workshop was taken well by the delegates and a positive feedback was received.

The department also organized AHA certified BLS and ACLS provider courses at AIIMS Jodhpur in May and Nov 2019. Both the courses had about 25 participants each who were trained and assessed for their BLS and ACLS skills over three days. The successful participants were awarded with BLS and ACLS provider certificates.



Enthusiastic organization of Paediatric Anaesthesiology CME, AIIMS Jodhpur

Panelists during an interactive session, Low Flow Anaesthesia Workshop 2020

## Department of Anatomy

S.No.	Name	Designation
1.	Dr. Surajit Ghatak	Professor & Head
2.	Dr. Shilpi Gupta Dixit	Additional Professor
3.	Dr. Renu Gupta	Associate Professor
4.	Dr. Dushyant Agrawal	Associate Professor
5.	Dr. Ashish Kumar Nayyar	Associate Professor
6.	Dr. Pushpa Potaliya	Assistant Professor
7.	Dr. Sonali Adole	Assistant Professor
8.	Dr. Hare Krishna	Assistant Professor

### About Department Of Anatomy

The Department of Anatomy came into existence in 2012, ever since it has been providing a tradition of excellence in UG and PG teaching and research programmes. The diverse expertise of faculty members and well-planned curriculum enable the students to develop a concrete foundation of the subject. The department seeks to explore teaching-learning through group activities, seminars, internet based learning tools, virtual dissection table, small group teaching and well paced assessments. PG activities involves seminars, journal club and microteaching on regular basis. The first batch of M. D. Anatomy passed in December 2019 with 100% pass result.

The research activities and essential lab facilities are kept in pace with recent advances to provide the best possible learning.

The department is active collaborator and organizer of various cadaveric workshops in various specialities.

The state-of-art museum upholds a collection entailing a wide range of specimen, carefully crafted, embryology model and models of neuroanatomy prepared by students.

In-house collection of bones is created by a new bone retrieval technique.

With community awareness program for the body donation, the department received 21 voluntary donated bodies and 58 volunteers have registered for voluntary body donation in the period of April 2019-March 2020.

### Research Activities -

Faculty and residents are pursuing their research interests in fields including

- Anatomical Variations and current trends
- Surgical and Clinical Anatomy
- Cytogenetics
- Immunofluorescence and Immunohistochemistry
- Anthropological Surveys
- Plastination
- Various techniques of embalming
- Medical education

### Future plans

The department is determined to develop following facilities:

- Cadaveric Skill Lab
- Prenatal, Neonatal & Paediatric Anatomy museum
- Ultrasonography
- Tissue culture lab
- Molecular diagnostic lab

### Facilities at the Department

1. **Dissection Hall:** Well-equipped dissection hall with Cold storage facility occupying 12 cadavers maintained at -2°C. It is fully air-conditioned with virtual dissection display which are regularly used. There are five storage tanks to accommodate 50 human cadavers. There is Electric band saw facility for the sectioning. For cadaveric preservation, Phenoxyethanol is used which has added advantage as it is a non-toxic, non-carcinogenic and non-irritant as compared to formaldehyde.
2. **Histology Lab:** More than 4,000 H & E and 25 special stained histology slides prepared in-house. There is a demonstration microscope with camera for image capture with 50 inch LCD TV for projection. The lab is also equipped with automated paraffin embedding unit, freezing microtome etc. An inverted microscope and a high end binocular microscope is also there for research work .
3. **Museum:** 103 prosected and potted specimens of gross anatomy and 53 Bone sets are in the Bone Bank . It has a Histology, digital x-ray and cross-sectional anatomy wall mounted gallery and has 73 models of developmental anatomy.
4. **Demonstration room:** Two demonstration room with Audio-Visual facilities are there, with one having a Digital Visualiser for teaching-learning.
5. **Seminar Room cum Departmental Library:** The department library has adequate number of books for the study references.
6. **Research Lab:** It has central facilities related to cytogenetics work. The department has diagnostic facility to detect bladder carcinoma and BCR/ABL-1 translocation (9:22) for CML through FISH technique. The karyotyping and FISH are also done.
7. **Burial Ground:** It is located near Mortuary. Burial followed exhumation is done for bone retrieval.

### Compiled list of Publications of the department:

#### Papers

##### Pubmed Indexed:

1. Mishra S, Ghatak S, Agrawal D, Singh P, Garg PK. Estimation of Fetal Weight: An Ultrasonography Study in Indian Population. *Mymensingh Med J* 2020; 29:215-221
2. Sharma S, Dixit SG, Khera PS, Nayyar AK, Ghatak S. Morphometric Evaluation of Anterior Cerebral Artery (on Digital Subtraction Angiography)-Potential Implications. *Morphologie* 2020; 104:109-116
3. Divylakshmi G, Sonali A, Raveendranath V, Suma HY. Congenital Positional Anomaly of Descending Colon and Sigmoid Colon: Its Embryological Basis and Clinical Implications. *Med J Arm Forces India*, Available online 8 January 2020.
4. Kumar A, Faiq MA, Krishna H, Kishan V, Raj GV, Coffey JC, Jacob TG. Development of a Novel Technique to Dissect the Mesentery That Preserves Mesenteric Continuity and Enables Characterization of the ex vivo Mesentery. *Front Surg* 2020; 6:1-7

##### Non-Pubmed Indexed:

1. Dixit SG, Singh B, Potaliya P, Ghatak S. The Experiences of Medical Graduates to Peer Teaching in a Large Group. *Ann Natl Acad Med Sci* 2019; 55:28-33.
2. Choudhary A, Garg P, Ghatak S. Sub-hepatic Position of The Vermiform Appendix with Adhesion-A Case Finding. *Afr J Bio Med Res* 2019; 2:1-3
3. Kumar S, Nayyar AK. Cardiogenetics of Hypertrophic Cardiomyopathy: A Short Review. *Indian J Genet Mol Res* 2019; 8:69-79
4. Halder A, Gaikwad MR, Krishna H, Chakraborty S, Banerjee P. Correlations Between Genetic Analysis of Anencephalic Foetuses with Spina Bifida, Cleft Palate, Single Umbilical Artery and Histological Architecture of Brain, Brain Stem and Spinal Cord. *Inter J Scien Res* 2019; 8:1-4
5. Krishna H, Dixit SG. Circulating tumor cells (CTCs): An Overview of Current Techniques and Its Potential Clinical Implications. *Indian J Genet Mol Res* 2019; 8:81-86

**Name of Faculty: Dr. Surajit Ghatak****Designation: Professor & Head****Books/Chapters:**

1. Ghatak S, Potaliya P. Salubris Prep-Manual anatomy Vol.3 (Head and Neck), Manish Choudhary (editor), 1<sup>st</sup> edition, Noida, Salubris Medical publisher 2020; 1-212
2. Ghatak S. Foreword for Netter's Anatomy: An Instant Review. (editor), 2<sup>nd</sup> South Asia Edition, Elsevier, Gurugram, Haryana.

**Papers Presented:**

1. Ghatak S, Garg P, Nayyar AK. Estimation of sex from calcaneus by discriminant function analysis. 19<sup>th</sup> Congress of the International Federation of Association of Anatomists, 9<sup>th</sup> -11<sup>th</sup> August 2019, London, UK
2. Ghatak S, Choudhary R, Nayyar AK. Sexual dimorphism in human skull by morphometric analysis of foramen magnum and its morphology. 19<sup>th</sup> Congress of the International Federation of Association of Anatomists, 9<sup>th</sup> -11<sup>th</sup> August 2019, London, UK

**Sessions Chaired:**

1. 67<sup>th</sup> National Conference of Anatomical Society of India, 17<sup>th</sup> Nov – 20<sup>th</sup> Nov 2019, VMMC & Safdarjung Hospital, New Delhi
2. 1<sup>st</sup> Rajasthan State Chapter Conference of AGOI, Department of Gynaecology and Obstetrics, 22<sup>nd</sup>-23<sup>rd</sup> Feb 2020, AIIMS Jodhpur
3. WUPM-2019, Department of Physical Medicine & Rehabilitation, 19<sup>th</sup>-20<sup>th</sup> October 2019, AIIMS Jodhpur
4. 7<sup>th</sup> NCPE2019, Department of Paediatrics, 3<sup>rd</sup>-5<sup>th</sup> November 2019, AIIMS Jodhpur

**Research Project:****Ongoing:**

1. Morphometry of anterior cruciate ligament in Knee joint- A cadaveric study. Non-funded.
2. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study, Intramural project, AIIMS, Jodhpur
3. In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cinereria, a locally available conventional promoter of wound healing. Intramural funding by AIIMS Jodhpur.
4. HER2 neu proto-oncogene Fluorescent in Situ Hybridization screening in cytological preparations of Gastrointestinal tract cancer.

**Completed:****As Principal Investigator**

1. Immunohistochemical study of C-cells morphology, distribution and localization in the thyroid gland: A pilot study in cadaveric tissue.

**As Co- Investigator**

1. Immunohistochemical localization of Estrogen and Progesterone receptors, CD8+lymphocytes in patients of infertility
2. Measurement of Tibio-Femoral angle among ethnic Rajasthani population & its Radiological co-relation
3. Safe Handling of Cadavers: An Assessment of Infectious Agents in Anatomy Dissection Hall.
4. Isolation of Stem cells from Olfactory Mucosa- A Pilot Study
5. Plastination of human cadaveric specimens using polymers.
6. Expression analysis of inflammasome-forming NLRs in gliomas for identification of novel therapeutic interventions.

**Examinership**

1. MBBS. Jaipur National University, Institute of Medical Sciences and Research Centre Jaipur, 10<sup>th</sup> - 13<sup>th</sup> July 2019.
2. MD (Anatomy). AIIMS New Delhi, 13<sup>th</sup> - 14<sup>th</sup> May 2019.
3. Ph.D. Open Viva Voce & Defence of Thesis of Vinod Dhanraj Umare, Maharashtra University of Health Sciences, Nashik, 16<sup>th</sup> April 2019.
4. MD (Anatomy). AIIMS Jodhpur, 16<sup>th</sup>-17<sup>th</sup> December 2019

**Membership/Post in Journal or Society or Association**

1. Fellow of Royal Society of Biology; United Kingdom
2. Fellow of International Medical Sciences Academy; New Delhi
3. Member; Australian and New Zealand Association of Clinical Anatomists
4. Member; Executive Committee; Anatomical Society of India
5. Editorial Board Member; Journal of Anatomical Society of India
6. Editorial Board Member; Indian Journal of Anatomy
7. Associate Editor African Journal of Biology and Medical Research.

**National/ International Conferences attended:**

1. The 19th Congress of the International Federation of Association of Anatomists, London, UK, 9-11<sup>th</sup> August 2019
2. 67th National Conference of Anatomical Society of India, VMMC & Safdarjung Hospital, New Delhi, 17<sup>th</sup> November to 20<sup>th</sup> November 2019

**Resource Faculty:**

1. 3rd Hands-On Cadaveric Dissection Course in Head & Neck Surgery; 30<sup>th</sup>-31<sup>st</sup> August, AIIMS, Jodhpur
2. International Cadaveric Hands-on Workshop. Workshop on Ultrasonographic Pain Medicine 2019 (WUPM-2019); 19<sup>th</sup>-20<sup>th</sup> October 2019, AIIMS, Jodhpur
3. Cadaveric flap dissection course. Department of Burns and Plastic Surgery; 8<sup>th</sup>- 9<sup>th</sup> November 2019, AIIMS, Jodhpur
4. Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics; 12<sup>th</sup>- 13<sup>th</sup> December 2019, AIIMS, Jodhpur
5. Cadaveric surgical skill workshop. 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic-Oncologist of India- RAJ-AGOICON 2020; 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS Jodhpur

**Name of Faculty: Dr. Shilpi Gupta Dixit**

**Designation: Additional Professor**

**Papers Presented:**

1. Dixit SG, Arora I, Potaliya P, Ghatak S. Attitude of indian students towards cadaveric dissection during anatomy dissection sessions in their first year of medical training. 19th Congress of International Federation of Association of Anatomists (IFAA), 9<sup>th</sup>-11<sup>th</sup> August 2019, London, United Kingdom
2. Krishna H, Chowdhary R, Dixit SG, Ghatak S. Variation in the branching pattern of the radial nerve and its clinical importance. 9th National conference of Society of Clinical Anatomists of India; 13<sup>th</sup> -15<sup>th</sup> March 2020, Smt. N.H.L. Municipal Medical College, Ahmedabad

**Resource Faculty:**

1. CME cum Workshop on Competency Based Medical education in Paediatrics: Challenges and Opportunities; 3<sup>rd</sup> Nov 2019, AIIMS, Jodhpur.
2. 3<sup>rd</sup> Hands-on Cadaveric Dissection Course in Head and Neck Surgery; 30<sup>th</sup>-31<sup>st</sup> August 2019, AIIMS, Jodhpur.
3. Faculty Sensitization Program. 24<sup>th</sup> -25<sup>th</sup> April 2019, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. HER 2 Neu Proto-Oncogene Fluorescent in Situ Hybridization Screening in Cytological Preparations of Gastrointestinal Tract Cancer

**As Co-Investigator**

1. Establishment of National Inherited Disorder Administration (NIDAN) Kendra at AIIMS Jodhpur Rajasthan (Extramural Grant by DBT)
2. Stimulating Medical Students Interest in Medical Genetics: Randomized Controlled Trial of an Innovative Educational Intervention. (Extramural Grant by ICMR)
3. Evaluating An Innovative Method to Teach Genetics to Medical Students: Improving Competency and Interest in Applied Basic Sciences. (Intra-Mural Grant; AIIMS, Jodhpur)
4. Sex Estimation from Dental Pulp Cytology: A Time-Based Study

**Completed:****As Principal Investigator**

1. Attitudes of Indian Students Towards Cadaveric Dissection During Anatomy Dissection Sessions in Their First Year of Medical Training.

**Examinership:**

1. MD (Anatomy). AIIMS Jodhpur, 16-17<sup>th</sup> December 2019
2. MBBS. SN Medical College, Jodhpur, 7<sup>th</sup> Oct 2019
3. MBBS. Government Medical College, Pali, 15<sup>th</sup> Oct 2019

**Membership/Post in Journal or Society or Association**

1. Full Member; Anatomical Society (Great Britain and Ireland)
2. Member; American Association of Anatomists
3. Member; Institute Innovation Council

**National/ International Conferences attended:**

1. CME cum Workshop on Competency Based Medical education in Paediatrics: Challenges and Opportunities. AIIMS, Jodhpur, 3<sup>rd</sup> November 2019
2. 7<sup>th</sup> National Conference on Paediatric Education. AIIMS Jodhpur, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019
3. 3<sup>rd</sup> Hands-on Cadaveric Dissection Course in Head and Neck Surgery. AIIMS, Jodhpur, 30<sup>th</sup>- 31<sup>st</sup> August 2019
4. 19<sup>th</sup> Congress of the International Federation of Association of Anatomists (IFFA 2019). London, United Kingdom, 9<sup>th</sup>-11<sup>th</sup> August 2019
5. Faculty Sensitization Program. AIIMS, Jodhpur, 24<sup>th</sup>-25<sup>th</sup> April 2019

**Name of Faculty: Dr Renu Gupta**  
**Designation: Associate Professor**

**Papers Presented:**

1. Gupta R, Nayyar AK, Ghatak S. Tibio-Femoral Angle Assessment and Its Radiological Co- Relation in Healthy Rajasthani Population. IFAA, 9-11<sup>th</sup> August 2019, London, UK.

**Research Project:****Ongoing:****As Principal Investigator**

1. Morphometry Of Anterior Cruciate Ligament In Knee Joint- A Cadaveric Study. Non-funded

**As Co-Investigator**

1. Development Of Animal Model To Simulate Valsalva Maneuver. IMRG, AIIMS Jodhpur.

**Membership/Post in Journal or Society or Association**

1. Member; American Association of Anatomist (AAA) 2019

**National/ International Conferences attended:**

1. 19<sup>th</sup> Congress of the International Federation of Associations of Anatomists (IFAA), London UK, 9<sup>th</sup> -11<sup>th</sup> August 2019

**Resource Faculty:**

1. 3<sup>rd</sup> Hands-On Cadaveric Dissection Course in Head & Neck Surgery; 30<sup>th</sup>-31<sup>st</sup> August, AIIMS, Jodhpur
2. International Cadaveric Hands-on Workshop. Workshop on Ultrasonographic Pain Medicine 2019 (WUPM-2019); 19<sup>th</sup>-20<sup>th</sup> October 2019, AIIMS, Jodhpur
3. Cadaveric flap dissection course. Department of Burns and Plastic Surgery; 8<sup>th</sup>- 9<sup>th</sup> November 2019, AIIMS, Jodhpur
4. Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics; 12<sup>th</sup>- 13<sup>th</sup> December 2019, AIIMS, Jodhpur
5. Cadaveric surgical skill workshop. 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic-Oncologist of India- RAJ-AGOICON 2020; 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS Jodhpur.

**Any other information:**

1. Attended a training on Cytogenetic Training Programme in Advanced Genomics Institute & Laboratory Medicine (AGILE)

**Name of Faculty: Dr. Dushyant Agrawal**  
**Designation: Associate Professor**

**Papers Presented:**

1. Agrawal D, Ghatak S, Agrawal GA. Improvement of Knowledge of Human Anatomy in 1st Year Medical Students by 3-D Software Based Teaching. 16<sup>th</sup> Annual Conference of the Australian and New Zealand Association of Clinical Anatomists; 4<sup>th</sup>-6<sup>th</sup> Dec 2019, University of western Australia in Perth, Australia
2. Agrawal D, Ghatak S, Agrawal GA. Virtual Reality in Anatomy - the future of learning? 9<sup>th</sup> National conference of Society of Clinical Anatomists; 13<sup>th</sup>-15<sup>th</sup> Mar 2020, Smt. N.H.L. Municipal Medical College, Ahmedabad



**Sessions Chaired:**

1. Gross Anatomy, 27<sup>th</sup> UPASICON 2019; 21<sup>st</sup>-22<sup>nd</sup> Sep 2019, S.N. Medical College, Agra
2. Clinical Anatomy, 67<sup>th</sup> National Conference of Anatomical Society of India; 17<sup>th</sup>-20<sup>th</sup> Nov 2019, Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi

**Research Project:****Ongoing:****As Co-Investigator**

1. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening- a Pilot Study, Intramural project, AIIMS, Jodhpur
2. Morphometry of Anterior Cruciate Ligament in Knee Joint- A Cadaveric Study, Intramural project, AIIMS, Jodhpur

**Patent**

1. Slide Stainer, Design patent; The Patent office, Government of India, 26<sup>th</sup> August 2019

**Examinership**

1. MD Anatomy. AIIMS Rishikesh, May 2019
2. BDS, Vyas Dental College & Hospital, Jodhpur, 26<sup>th</sup> -27<sup>th</sup> August 2019

**Membership/Post in Journal or Society or Association**

1. Executive Committee Member, UP Chapter of Anatomical Society of India
2. Membership; Royal Society of Biology, UK

**National/ International Conferences attended:**

1. 27<sup>th</sup> UPASICON 2019. UP Chapter of Anatomical Society of India, S.N. Medical College, Agra, 21<sup>st</sup>-22<sup>th</sup> Sep 2019
2. 67<sup>th</sup> NATCON-ASI. National Conference of Anatomical Society of India, Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, 17<sup>th</sup> - 20<sup>th</sup> Nov 2019
3. 16<sup>th</sup> Annual Conference of the ANZACA. Australian and New Zealand Association of Clinical Anatomists, University of Western Australia, Perth (Australia), 4<sup>th</sup>-6<sup>th</sup> Dec 2019
4. 9<sup>th</sup> NATCON-SOCA. National conference of Society of Clinical Anatomists, Smt. N.H.L. Municipal Medical College, Ahmedabad, 13<sup>th</sup> -15<sup>th</sup> Mar 2020

**Resource Faculty:**

1. 3rd Hands-On Cadaveric Dissection Course in Head & Neck Surgery; 30<sup>th</sup>-31<sup>st</sup> August, AIIMS, Jodhpur
2. International Cadaveric Hands-on Workshop. Workshop on Ultrasonographic Pain Medicine 2019 (WUPM-2019); 19<sup>th</sup>-20<sup>th</sup> October 2019, AIIMS, Jodhpur
3. Cadaveric flap dissection course. Department of Burns and Plastic Surgery; 8<sup>th</sup>- 9<sup>th</sup> November 2019, AIIMS, Jodhpur
4. Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics; 12<sup>th</sup>- 13<sup>th</sup> December 2019, AIIMS, Jodhpur
5. Cadaveric surgical skill workshop. 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic-Oncologist of India- RAJ-AGOICON 2020; 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS Jodhpur

**Any other information:**

1. Visiting Professor. Royal College of Surgeons in Ireland, Dublin

**Name of Faculty: Dr. Ashish Kumar Nayyar**

**Designation: Associate Professor**

**Papers Presented:**

1. Nayyar AK. Palatal Asymmetry in Dry Adult Human Skulls. 9<sup>th</sup> National Conference of Society of Clinical Anatomists of India (SOCA); 14<sup>th</sup>-15<sup>th</sup> Mar 2020, Smt. NHL Municipal Medical College, Ahmedabad
2. Nayyar AK, Ghatak S. Bone Preparation From Embalmed Human Cadavers – A Retrieval and Curation Technique, 19<sup>th</sup> congress of the International Federation of Associations of Anatomists (IFAA 2019); 9<sup>th</sup>-11<sup>th</sup> Aug 2019, London, UK

**Resource Faculty:**

1. 3rd Hands-on Cadaveric Dissection Course in Head & Neck Surgery; 30<sup>th</sup>-31<sup>st</sup> August, AIIMS, Jodhpur
2. International Cadaveric Hands-on Workshop. Workshop on Ultrasonographic Pain Medicine 2019 (WUPM-2019); 19<sup>th</sup>-20<sup>th</sup> October 2019, AIIMS, Jodhpur
3. Cadaveric flap dissection course. Department of Burns and Plastic Surgery; 8<sup>th</sup>- 9<sup>th</sup> November 2019, AIIMS, Jodhpur
4. Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics; 12<sup>th</sup>- 13<sup>th</sup> December 2019, AIIMS, Jodhpur
5. Cadaveric surgical skill workshop. 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic-Oncologist of India, RAJAGOICON 2020; 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Co-investigator**

1. Morphometry of Anterior Cruciate Ligament In Knee Joint- A Cadaveric Study.

**Completed:**

**As Principal Investigator**

1. Plastination of Human Cadaveric Specimens Using Polymers, Intramural Project

**Examinership-**

1. MBBS. Maulana Azad Medical College, Delhi, 22<sup>nd</sup>-28<sup>th</sup> July 2019

**Membership/Post in Journal or Society or Association**

2. Member; International Society for Plastination

**National/ International Conferences attended:**

1. 19th congress of the International Federation of Associations of Anatomists (IFAA 2019). ExCel, London, United Kingdom, 9<sup>th</sup>-11<sup>th</sup> Aug 2019
2. 3rd hands on cadaveric dissection course in Head and Neck surgery” held at AIIMS, Jodhpur, 30<sup>th</sup>-31<sup>st</sup> Aug, 2019
3. Workshop on “Suicide prevention and safety planning: How we can help”organised by Department of Psychiatry, AIIMS Jodhpur, 11<sup>th</sup> Oct 2019
4. Workshop on Ultrasonographic Pain Medicine WUPM 2019, 1st international Cadaveric Hands on Workshop held at AIIMS, Jodhpur from 19<sup>th</sup>-20<sup>th</sup> October 2019
5. Participated as course coordinator in “Cadaveric flap dissection course – 2019” held at AIIMS, Jodhpur from 8<sup>th</sup>-9<sup>th</sup> November 2019

6. Participated in the conference and cadaveric surgical skill workshop "1st Rajasthan State Chapter Conference of Association of Gynecologic Oncologists of India- RAJ-AGOICON 2020" held on 22<sup>nd</sup>-23<sup>rd</sup> Feb 2020
7. Participated in the preconference CME & workshop on "Organ Donation, Procurement & Transplantation" on 13th mar 2020 and attended 9th National Conference of Society of Clinical Anatomists of India (SOCA) held at Department of Anatomy, Smt. NHL Municipal medical College, Ahmedabad, 14<sup>th</sup>-15<sup>th</sup> Mar 2020

**Name of Faculty: Dr. Pushpa Potaliya**  
**Designation: Assistant Professor**

**Books/Chapters:**

1. Ghatak S, Potaliya P. Salubris Prep-Manual anatomy Vol.3 (Head and Neck), Manish Choudhary (editor) , 1<sup>st</sup> edition, Noida, Salubris Medical publisher 2020; 1-212

**Publication:**

1. Dixit SG, Singh B, Potaliya P, Ghatak S. The Experiences of Medical Graduates to Peer Teaching in A Large Group. Ann Natl Acad Med Sci 2019; 55:28-33.

**Papers Presented:**

1. Potaliya P, Ghatak S, Faizal M. Demonstration Of Elastic Tissue Pattern in Alopecia by Verhoeff-Van Gieson Staining. National Conference of Anatomical Society of India. 18<sup>th</sup> -20<sup>th</sup> November 2019, Vardhman Mahavir Medical College, New Delhi

**Resource Faculty:**

1. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynaecologic Oncologists of India on Cadaveric surgical skill workshop; 22<sup>nd</sup> -23<sup>rd</sup> Feb 2020, AIIMS Jodhpur
2. 3<sup>rd</sup> hands on cadaveric dissection course in head and neck surgery; 30<sup>th</sup> -31<sup>st</sup> Aug 2019, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal investigator**

1. Demonstration of elastic tissue pattern in alopecia by Verhoeff-Van Gieson staining.
2. In-vitro evaluation for pro-healing modifications of endothelial cells by *Prosopis Cinereria*, a locally available conventional promoter of wound healing. Intramural funding by AIIMS Jodhpur

**As Co-investigator**

1. HER 2 neu proto-oncogene Fluorescent in Situ Hybridization screening in cytological preparations of Gastrointestinal tract cancer.

**Completed:**

**As Principal Investigator**

1. Demonstration of elastic tissue pattern in alopecia by Verhoeff-Van Gieson staining.

**Examinership**

1. BPT. SLNG Institute of Physiotherapy, Jodhpur, 19<sup>th</sup> September 2019
2. BPT. KC Memorial College of Physiotherapy, Jodhpur, 28<sup>th</sup> September 2019

**Membership/Post in Journal or Society or Association**

1. Member; Royal College of Biology, London, U.K.
2. Annual Member; American Association of Anatomists
3. Member; Indian Society of Human Genetics

**National/ International Conferences attended:**

1. Short term training course in Animal Cell culture. CSIR-CCMB, Hyderabad, 27<sup>th</sup> -31<sup>st</sup> January 2020
2. Workshop/CME on Body Donation. Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, 17<sup>th</sup> Nov 2020
3. 67<sup>th</sup> National conference of Anatomical Society of India on theme 'Anatomy Sans Frontier'. Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, 18<sup>th</sup> -20<sup>th</sup> Nov 2020

**Name of Faculty: Dr. Sonali Adole**  
**Designation: Assistant Professor**

**Papers Presented :**

1. Adole S, Kamble P, Sureka B, Ghatak S. Ultra-Sonographic localization of carotid sinus: a cross sectional study. 9<sup>th</sup> National conference of Society of Clinical Anatomists of India; 13<sup>th</sup>-15<sup>th</sup> Mar 2020, Smt. N.H.L. Municipal Medical College, Ahmedabad

**Resource Faculty:**

1. 3rd Hands-on Cadaveric Dissection Course in Head & Neck Surgery. Organized by Department of Otorhinolaryngology and Department of Anatomy, 30<sup>th</sup>-31<sup>st</sup> Aug 2019, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Anatomical variation in level of bifurcation of sciatic nerve and its clinical implications

**As Co-Investigator**

1. The cadaveric study: Anatomic morphological variant of calcaneofibular ligament of the ankle joint

**Completed:**

**As Principal Investigator**

1. Ultra-sonographic localization of carotid sinus: A cross sectional study.

**As Co-Investigator**

1. Cadaveric study on variation in formation of median nerve.

**Membership/Post in Journal or Society or Association**

1. Life member; Anatomical Society of India.
2. Annual member; American Association for Anatomy

**National/ International Conferences attended:**

1. 9<sup>th</sup> National Conference of Society of Clinical Anatomists of India. Department of Anatomy, Smt. NHL Municipal Medical College, Ahmedabad, 14<sup>th</sup>-15<sup>th</sup> Mar 2020

2. Workshop on “Hands on Training on Basic Karyotyping Technique”. Department of Anatomy, JIPMER Pondicherry, 8<sup>th</sup> -11<sup>th</sup> July 2019
3. Preconference CME & Workshop on “Organ donation, procurement & transplantation” 9<sup>th</sup> National Conference of Society of Clinical Anatomists of India. Department of Anatomy, Smt. NHL Municipal Medical College, Ahmedabad, 13<sup>th</sup> Mar 2020.
4. 3<sup>rd</sup> hands on cadaveric dissection course in Head and Neck surgery”. AIIMS, Jodhpur from 30<sup>th</sup>-31<sup>st</sup> Aug 2019
5. Jodhpur arthroscopy symposium 2019. department of orthopedics AIIMS Jodhpur, 20<sup>th</sup>-21<sup>st</sup> Dec 2019

**Name of Faculty: Dr. Hare Krishna**  
**Designation: Assistant Professor**

**Books/Chapters:**

1. Krishna H. Cilia. In: Encyclopedia of Animal Cognition and Behavior, Vonk J., Shackelford T. (editors) Switzerland, Springer, Cham 2019
2. Krishna H. Supernumerary Nipple. In: Encyclopedia of Animal Cognition and Behavior, Vonk J., Shackelford T. (eds) Springer, Cham 2020

**Papers Presented:**

1. Krishna H, Rani N, Baxla M, Singh S. Axillary nerve variation and its clinical importance. 67<sup>th</sup> National Conference of Anatomical Society of India; 18<sup>th</sup>-20<sup>th</sup> Nov 2019, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi.
2. Krishna H, Chowdhary R, Dixit SG, Ghatak S. Variation in the branching pattern of the radial nerve and its clinical importance. 9<sup>th</sup> National conference of Society of Clinical Anatomists of India; 13<sup>th</sup>-15<sup>th</sup> Mar 2020, Smt. N.H.L. Municipal Medical College, Ahmedabad

**Resource Faculty:**

1. 3<sup>rd</sup> Hands-on cadaveric dissection course in head and neck surgery; 30<sup>th</sup>-31<sup>st</sup> Aug 2019, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Co-investigator**

1. Anatomical variation in level of bifurcation of sciatic nerve and its clinical implications

**Membership/Post in Journal or Society or Association**

1. Member; Society of Clinical Anatomists
2. Member; Anatomical Society of India
3. Reviewer; Journal of Clinical and Diagnostic Research

**National/ International Conferences attended**

1. Workshop/CME on Body Donation. Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, 17<sup>th</sup> November 2019
2. 67<sup>th</sup> National Conference of Anatomical Society of India on Theme ‘Anatomy Sans Frontier’. Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, 18<sup>th</sup> -20<sup>th</sup> November 2019
3. Workshop on AETCOM- How to Teach and Evaluate. Department of Pediatrics, AIIMS, Jodhpur, 3<sup>rd</sup> November 2019
4. 7<sup>th</sup> National Conference on Pediatric Education. Department of Pediatrics, AIIMS, Jodhpur, 3<sup>rd</sup>-5<sup>th</sup> November 2019

5. 3<sup>rd</sup> Hands-on Cadaveric Dissection Course in Head and Neck Surgery. Department of Otorhinolaryngology, AIIMS, Jodhpur, 30<sup>th</sup>-31<sup>st</sup> August 2019
6. Jodhpur Arthroscopy Symposium 2019. Organized by Department of Orthopedics, AIIMS, Jodhpur, 20<sup>th</sup>-21<sup>st</sup> December 2019
7. CME & workshop on "Organ Donation, Procurement & Transplantation" 2020. Department of Anatomy, Smt. NHL Municipal medical College, Ahmedabad, 13<sup>th</sup> March 2020
8. 9<sup>th</sup> National Conference of Society of Clinical Anatomists of India (SOCA). Department of Anatomy, Smt. NHL Municipal medical College, Ahmedabad, 14<sup>th</sup> -15<sup>th</sup> March 2020

### **Conferences/Workshops Organized by Department of Anatomy**

#### **1. 3rd Hands-On Cadaveric Dissection Course in Head & Neck Surgery**

3rd Hands-On Cadaveric Dissection Course in Head & Neck Surgery was organized by Department of Otorhinolaryngology, AIIMS Jodhpur in collaboration with Department of Anatomy on 30<sup>th</sup> - 31<sup>st</sup> August, 2019. The emphasis of this event was on Thyroidectomy, Parotidectomy, Submandibular gland dissection and Neck dissection procedures. The all of above procedures were demonstrated of the by experts followed by hands-on session in the dissection hall of Department of Anatomy.

Hands-on session on neck dissection procedure in the dissection hall

#### **2. Workshop on Cadaveric flap dissection course**

Cadaveric flap dissection course was organised by Department of Burns and Plastic Surgery in collaboration with Department of Anatomy, AIIMS Jodhpur on 8<sup>th</sup> & 9<sup>th</sup> November, 2019. More than 30 participants across the country had participated in the workshop. The very renowned faculties taught and demonstrated fine details of various flap elevations during the workshop.



Demonstration of cadaveric flap elevation

### 3. International Cadaveric Hands-on Workshop on Ultrasonographic Pain Medicine

1<sup>st</sup> International Cadaveric Hands-on Workshop on Ultrasonographic Pain Medicine was organized by Department of Physical Medicine and Rehabilitation in collaboration with Department of Anatomy, AIIMS, Jodhpur on 19<sup>th</sup>- 20<sup>th</sup> October 2019. The international & national renowned Faculty demonstrated and direct interacted with all participants. The main purpose of such academic events was to exchange ideas and to equip delegates with basic and advanced knowledge of ultrasonographic anatomy and hands-on practice of USG guided pain interventions.



Inauguration ceremony of 1<sup>st</sup> International Cadaveric Hands-on Workshop



Hands-on session in progress at various stations in the workshop

4. **Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics**

Live surgical cum hands-on cadaver dissection workshop on Rhinoplasty and Facial Plastics was organized by Department of Otorhinolaryngology in collaboration with Department of Anatomy, AIIMS, Jodhpur on 12<sup>th</sup>-13<sup>th</sup> December, 2019. The objective of workshop was learning basic and advanced surgical techniques in various rhinoplasty and Facial Plastic surgery procedures. Hands on dissection on cadavers and practical experience of surgical anatomy and surgical steps and procedures were discussed by well experienced faculties.

Cadaver dissection during workshop on Rhinoplasty and Facial Plastics



Enthusiastic Participants during the session

**5. 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic- Oncologist of India-RAJ-AGOICON 2020**

Cadaveric surgical skill workshop of 1<sup>st</sup> Rajasthan state chapter conference of association of Gynecologic-Oncologist of India-RAJ-AGOICON 2020 was organized by Department of Obstetrics & Gynaecology in collaboration with Department of Anatomy, AIIMS Jodhpur on 22<sup>nd</sup> -23<sup>rd</sup> February 2020. The conference was attended by around 150 delegates from all over state of Rajasthan and around 70 faculties from all states of India. There were two workshops organized on the first day. The first workshop was Cadaveric surgical skill workshop organized in Dissection Hall of Department of Anatomy and was attended by 60 delegates. The second workshop was on colposcopic examination along with hands on training of the excisional and ablative procedures for the treatment of pre-invasive lesion of the cervix.



Delegates attending the live-telecast of hands on training of the excisional and ablative procedures

## Department of Biochemistry

S.No.	Name	Designation
1	Dr. Praveen Sharma	Professor and Head
2	Dr. Mithu Banerjee	Additional Professor
3	Dr. Purvi Purohit	Additional Professor
4	Dr. Dharmveer Yadav	Associate Professor
5	Dr. Shailja Sharma	Associate Professor
6	Dr. Shrimanjunath Sankanagoudar	Assistant Professor
7	Dr. Prasenjit Mitra	Assistant Professor
8	Dr. Maithili Karpaga Selvi	Assistant Professor
9	Dr. Kamla Kant Shukla	Assistant Professor (Trauma and Emergency)

### Introduction

Department of Biochemistry started with the instituting of AIIMS Jodhpur by the Ministry of Health & Family Welfare, Government of India under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) in September 2012. The department has been involved in undergraduate and post-graduate medical teaching, research and patient care services by providing advanced and routine biochemical analyses for diagnosis and prognosis. The department has been involved in promotion of academics and research at national and international level by hosting various workshops and conferences and another feather of success was added to the department by the successful organizing of international conference 15<sup>th</sup> APFCB 2019 at Jaipur.

### Facilities And Services

#### Teaching:

- **Undergraduate teaching**

The department is actively involved in the undergraduate (MBBS and Nursing) teaching. We use latest and innovative techniques for the teaching of the future doctors. Our lectures are both didactic and interactive which includes audio visual presentations and group discussions during tutorials. The teaching has been made interesting by providing food for thought using the problem-based study like objectively structured clinical cases and practical exercises. Integrated classes with other departments are organized to generate clinical interest and understanding of the subject. During the recent COVID-19 pandemic, the UG teaching has been continued in the form of online-lectures and case discussions.

- **Post graduate training**

The Department has started post graduate MD and PhD program. At present six MD students are pursuing their studies out of which 4 joined in 2018-19 and two in Jan 2019 and July 2019 respectively. Currently 2 PhD candidates have enrolled in 2019-20 session. The first batch of MD Biochemistry students have sailed through in December 2019. The post-graduate training schedule is inundated with regular seminars, journal clubs, case-discussions and attaining expertise in various laboratory techniques which the department boasts of like flowcytometry, molecular biology techniques including but not limited to PCR, RT PCR, gel electrophoresis, immunodiffusion, thin layer chromatography, AAS etc. All these are an important feature of the post graduate training to keep them updated with the latest research and technology. Postgraduate students are routinely posted in the hospital laboratory as a part of their training. There are regular online sessions of journal club, and case discussions for the PGs and PhDs during the lockdown period of COVID-19 pandemic.

#### Diagnostic Services:

The Department of Biochemistry is catering to a fully functional Clinical Biochemistry Laboratory facility 24 hours for the past four years. The laboratory is equipped with high end fully automated chemistry analysers including Beckman and Coulter AU 480, 680, 5800, Seimens Advia Centaur, Diasorin Liason. The daily OPD patient care is strongly supported by these services. The analytes on the Biochemistry Laboratory panel include the routine clinical chemistry analysis like Lipid Profile, Liver function Tests, Renal function tests, Blood sugar, electrolytes etc. The specialized analytes available on the panel includes hormones of fertility, bone, anemia, diabetes panel etc. It also includes analysis of blood lead levels, blood Zinc levels (using AAS), vitamins and immunologic markers like Rheumatoid factor, ANA, ds DNA and Hs CRP. The Clinical Biochemistry lab is a part of the external quality control program and therefore assures accurate results. New investigations have been added to the Clinical Biochemistry panel from time to time and during the period of 2019-20, tumour markers like AFP, CA-19.9 and CEA have been added.

The Clinical Biochemistry and Molecular Diagnostics lab is well equipped with state of art analysers including fully automated chemistry analysers, chemiluminiscence analysers, flowcytometer, PCR, RT-PCR etc. In addition to this the research lab at the medical college is well equipped with high end equipments facilitating research undertaken at the department by the various faculties' and PG students. This lab is equipped for the molecular research, inborn error research etc. The instruments include HPLC, PCR, RT –PCR, gel electrophoresis (vertical & horizontal), ELISA reader, Microplate reader and Atomic absorption spectrophotometer for trace elements and heavy metal toxicity. The Biochemistry Laboratory at AIIMS Jodhpur is functional 24 hours since March 2015 and is efficiently providing services to the hospital patients.

#### **Research activities:**

The Department has Research laboratory with facilities for research in the field of genetics, immunology, clinical chemistry, hormones, nutrition etc. It is also recognized as Lead Referral Centre by the Indian Society for Lead Awareness and Research. The faculties at the department have been actively involved in the research activities and have completed more than ten intramural and nine ICMR STS projects so far. The findings of the projects have been presented at various scientific meetings and published in peer reviewed journals. Currently, there are 5 extramural projects and more than 28 ongoing intramural projects being executed in collaboration with various clinical and non-clinical specialties. These projects cover broad spectra of research extending from basic clinical chemistry to molecular biology-based research.

The research output of the department has been tremendous, with the publication of more than 25 peer-reviewed articles in journal of national and international repute. The research has been awarded at international conferences and there were 14 award papers presented by the faculty members, MD students and PhD scholars of the department.

Currently there are 9 faculty members, 8 Senior Resident, 6 Academic Junior Residents, 2 demonstrators and 27 non-teaching laboratory technical staff.

#### **Future Plans**

Biochemistry translates the knowledge of basic sciences into establishing the clinical utility of a marker, translation into evidence of the impact on health outcomes, as well as transformational change to integrate this new knowledge into the delivery of better care for patients. This translational research and the focus on transformational change are crucial in demonstrating value-for-money in the laboratory medicine service. The faculty at Department of Biochemistry is committed for advancement in diagnostic services and research activities and has established state-of-art molecular diagnostic research lab, high end clinical laboratory for inborn error diagnosis and the laboratories are being utilized optimally. Department has advanced in the direction for research related to molecular studies based on projects of DNA, mRNA, miRNA expression using PCR and RT-PCR, diagnosis of inborn errors of amino acid metabolism using HPLC and heavy metals using AAS. Department is in the process of procuring & constituting state of the art labs for advanced molecular research in the field of genome sequencing, microarray and epigenetic studies. The department also plans to establish advanced research in heavy metals& trace elements analysis by establishing ICP-MS facility. In addition to this a fully functional proteomics state of the art research and diagnostic lab will be formed which will constitute of facilities like 2-D electrophoresis, LC-MS and GC-MS etc.

#### **Compiled list of Publications:**

**Pubmed Indexed:**

1. Roy D, Modi A, Khokar M, Sankanagoudar S, Yadav D, Sharma S, Purohit P, Sharma P. MicroRNA 21 Emerging Role in Diabetic Complications: A Critical Update. *Current Diabetes Reviews*.
2. Khokar M, Roy D, Modi A, Agarwal R, Yadav D, Purohit P, Sharma P. Perspectives on the role of PTEN in diabetic nephropathy: an update. *Crit Rev Clin Lab Sci*. 2020 Apr 20;1-14. doi: 10.1080/10408363.2020.1746735. [Epub ahead of print]
3. Mitra P, Misra S, Sharma P. COVID-19 Pandemic in India: What Lies Ahead. *Indian J Clin Biochem*. 2020; 20:1-3.
4. Bidi S, Reshma D C, Srinivas B, Sharma P, Sankanagoudar S. Comparison of urinary amino acid excretory pattern in patients with type 2 diabetes mellitus and non-diabetic healthy controls at a tertiary referral hospital in India. *Diabetes Metab Syndr*. 2020;14(4):357-362.
5. Goyal T, Mitra P, Preeti S, Chambial S, Sharma P. Assessment of Blood Lead and Cadmium Levels in Occupationally Exposed Workers of Jodhpur, Rajasthan. *Indian J Clin Biochem*, 2020.
6. Ravichandran S, Srivastav S, Kamble PH, Shukla R, Sharma P, Sharma RK Effect of Vitamin D status on QTc interval in Type 2 Diabetes mellitus. *Journal of basic and clinical physiology and pharmacology*. February 2020
7. Nyati KK, Agarwal RG, Sharma P, Kishimoto T. Arid5a, an RNA-Binding Protein in Immune Regulation: RNA Stability, Inflammation, and Autoimmunity. *Trends-in-immunology* 2020;
8. Ravichandran S, Srivastav S, Kamble PH, Chambial S, Shukla R, Sharma P, Sharma RK. VEGF-A and cardiac autonomic function in newly diagnosed type 2 diabetes mellitus: A cross-sectional study at a tertiary care center. *J Family Med Prim Care*. 2019;8(10):3185-3190.
9. Modi A, Dwivedi S, Roy D, Khokhar M, Purohit P, Vishnoi J, Pareek P, Sharma S, Sharma P, Misra S. Growth Factor. Growth differentiation factor 15 and its role in carcinogenesis: an update. *Growth Factor*, 2019; 37: Issue 3-4,190-207.
10. Agarwal RG, Sharma P, Nyati KK. MicroRNAs in Mycobacterial Infection: Modulation of Host Immune Response and Apoptotic Pathways. *Immune Netw*. 2019; 19(5): e30.
11. Nyati KK, Agarwal RG, Sharma P, Kishimoto T. Arid5a regulation and the roles of Arid5a in the inflammatory response and disease. *Front. Immunol*.
12. Kumar A, Sharma P, Shukla KK, Misra S, Nyati KK. Japanese encephalitis virus: Associated immune response and recent progress in vaccine development, *Microb Pathog*. 2019 Nov; 136:103678 Accepted 19 August 2019
13. Kumar A, Sharma P, Prasad R, Pal A. An urgent need to assess safe levels of inorganic copper in nutritional supplements/parenteral nutrition for subset of Alzheimer's disease patients. *Neurotoxicology* 2019; 73: 168-174.
14. Dwivedi S, Purohit P, Sharma P. MicroRNAs and Diseases: Promising Biomarkers for Diagnosis and Therapeutics. *Indian J Clin Biochem*. 2019 Jul; 34(3):243-245.
15. Mitra P, Sharma P. Novel Direction in Mechanisms Underlying Lead Toxicity: Evidence and Prospective. *Indian J Clin Biochem*. 2019 Apr;34(2):121-122.
16. Kumar A, Gupta S, Sharma P, Prasad R, Pal A. In silico method for identification of novel copper and iron metabolism proteins in various neurodegenerative disorders. *Neurotoxicology* 2019 (1); 73:50-57.
17. Disha, Sharma S, Goyal M, Kumar PK, Ghosh R, Sharma P. Association of raised blood lead levels in pregnant women with Preeclampsia: A study at tertiary centre. *Taiwanese Journal of Obstetrics & Gynecology* 2019; 58: 60e63
18. Facciorusso A, Del Prete V, Buccino VR, Purohit P, Setia P, Muscatiello N. Diagnostic yield of Franseen and Fork-Tip biopsy needles for endoscopic ultrasound-guided tissue acquisition: a meta-analysis. *Endosc Int Open*. 2019;7(10):E1221–E1230.
19. Vyas, H., Purohit, P., Dutt, N. Sharma P. Microalbuminuria in Chronic Obstructive Pulmonary Disease with and Without Co-morbidities *Ind J Clin Biochem* (2019).
20. Dwivedi, S., Purohit, P. & Sharma, P. Single Cell Omics Approach: A Paradigm Shift in Diagnosis and Therapy of Cancer *Ind J Clin Biochem* (2019) 34: 1-2.
21. Dwivedi, S., Purohit, P., Misra, R. Malvika L, Vishnoi JR, Pareek P, Misra S, Sharma P. Single Cell Omics of Breast Cancer: An Update on Characterization and Diagnosis *Ind J Clin Biochem* (2019) 34: 3-18

22. Purohit P, Dwivedi S, Nebhinani N, Sharma P. Effect of Severity of Opiate Use on Cardiometabolic Profile of Chronic Opiate Dependents of Western Rajasthan. *Ind J Clin Biochem.* 2019; 34: 280–287.
23. Banerjee M, Kulhari K, Saha T. Assessment of DNA methylation in p15, p16 & E cadherin genes as a screening tool for early cancer cervix. Accepted for publication in *IJCB*.
24. Banerjee M, Kumar A, Batra HS, Bandyopadhyay S. Are Thalassemic patients oxidatively challenged? *MJAFI.* 2019; 75 (4): 383-88

#### **Non-Pubmed Indexed:**

1. Niranjan G, Maithilikarpagaselvi N, Anitha R, Srinivasan A R, Pruthu G, Veni S Association of endothelin-1 with oxidative stress and inflammatory response in pre-hypertensives. *Cor et Vasa.* 2019;61:562-66.
2. Maithilikarpagaselvi N, Muskan A S, Pallavee P, Babu M S, Sathiya R, Evaluation of urinary oxidative stress markers, inflammatory sialoproteins and neopterin in pregnant women with intrauterine growth restriction. *Indian J Obstet Gynecol Res.* 2020;7(1):54-58
3. Batra HS, Sharma M, Singh ID, Banerjee M, Jagani R, Choudhury B. Study of DNA methylation in promoter region of p15 & E cadherin genes in head & neck tumours. Accepted in *Int Jrl Curr Res.*

#### **Eminent Visitors:**

1. Dr. Subrata Sinha, Professor and Head, Department of Biochemistry, AIIMS, Delhi
2. Dr. Sadhna Sharma, Professor and Head, Department of Biochemistry, PGIMER, Chandigarh
3. Dr. Shyam S. Chouhan, Professor, Department of Biochemistry, AIIMS, Delhi
4. Dr. Indu Verma, Professor, Department of Biochemistry PGIMER, Chandigarh

**Name of Faculty: Dr. Praveen Sharma**

**Designation: Professor and Head**

#### **Books/Chapters:**

1. Sharma P, Misra S, Shukla KK. Book – Molecular diagnostics in Cancer Patients, Editors: Springer Nature 2019
2. Shukla KK, Sankanagoudar S, Sanganageria BS, Pareek P, Ram J, Misra S and Sharma P. "Recent Advances in Molecular Diagnostic Approaches for Cancer". In book: *Molecular Diagnostics in Cancer Patient.* Springer Nature 2019
3. Dwivedi S, Misra R, Purohit P, Vishnoi JR, Pareek P, Goel A, Khattri A, Sharma P, Pant KK, Misra S. *Molecular Diagnosis in Ovarian Carcinoma. Molecular Diagnostics in Cancer Patients.* In: Shukla K., Sharma P., Misra S. (eds). Singapore: Springer, (2019)
4. Dwivedi S, Purohit P, Misra R. Malvika L, Vishnoi JR, Pareek P, Sharma P, Misra S. Chapter on - Application of Single-Cell Omics in Breast Cancer in *Single-Cell Omics..* Single Academic Press 2019

#### **Papers Presented:**

1. Sharma P, Malvika L, Dwivedi S. Lead exposure affects 5HT2A serotonin receptor and transporter expression in pediatric age group: An explorative study in North-Western India. 23rd IFCC-EFLM EuroMedLab Barcelona 2019 Congress; 19th to 23rd May, 2019, Barcelona, Spain.
2. Kumar PVS N K, Mitra P, Sharma S, Nebinani N, Sharma P. Association of Serum Brain Derived Neurotrophic Factor (BDNF) levels with BDNF (rs6265) Polymorphism in Schizophrenia. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> Nov 2019, JECC, Jaipur.
3. Roy D, Modi A, Khokhar M, Chaudhary R, Shukla RG, Sankanagoudar S, Purohit P, Sharma P. Role of MicroRNA-181b and Growth Differentiation Factor-15 on Insulin Resistance in Type II Diabetes. APFCB 2019, 17th to 20th November 2019, JECC, Jaipur.

4. Ghosh R, Kumar PVS N Kiran, Mitra P, Purohit P, Nebhinani N, Sharma P. Elevated Circulating Th17 Count Points Towards Th17 Dependent Neuro-inflammation in MDD. APFCB 2019, 17th to 20th November 2019, JECC, Jaipur.
5. Sharma S, Mitra P, Goyal T, Saikiran G, Singh P, Sharma P. Pro-inflammatory Cytokines in Occupationally Lead Exposed Individuals: A Pilot Study. APFCB 2019, 17th to 20th November 2019, JECC, Jaipur.
6. Mitra P, Goyal T, Singh P, Sharma S, Sharma P. Assessment of Circulating miR-20b, miR-221 and miR-155 in Occupationally Lead Exposed Workers of Jodhpur. APFCB 2019, 17th to 20th November 2019, JECC, Jaipur.
7. Abhilasha, Mitra P, Suri S, Goyal T, Saxena I, Shukla RG, Dwivedi S, Shukla KK, Sharma P. Evaluation of IL-10R and IL-18R Expression in Type 2 Diabetes Mellitus: A Pilot Study. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November 2019, JECC, Jaipur.
8. Suri S, Mitra P, Abhilasha, Goyal T, Saxena I, Garg MK, Bohra GK, Sharma P. IL-2 Levels in Type-2 Diabetes Mellitus: A Pilot Study. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November 2019, JECC, Jaipur.
9. Goyal T, Mitra P, Sharma S, Singh P, Sai Kiran G, Sharma P. Effect of Lead on Immunoregulatory Cytokines in Occupationally Exposed Workers. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November 2019, JECC, Jaipur.
10. Singh P, Mitra P, Sharma S, Goyal T, Saikiran G, Sharma P. Evaluation of Lead, Aluminum and Zinc in Occupationally Heavy Metal Exposed Population. APFCB 2019, 17th to 20th November, 2019, JECC, Jaipur.
11. Saikiran G, Sharma S, Mitra P, Goyal T, Singh P, Sharma P. Levels of Essential Trace Metals in Occupationally Lead Exposed Individuals: A Pilot Study. APFCB 2019, 17th to 20th November, 2019, JECC, Jaipur.
12. Agarwal RG, Roy D, Modi A, Khokhar M, Shukla RG, Purohit P, Bajpai N, Sharma P. Association of Serum Growth Differentiation Factor-15 (GDF-15) with Insulin and HOMA-Beta in Type 2 Diabetes Mellitus. APFCB 2019, 17th to 20th November, 2019, JECC, Jaipur.
13. Khokhar M, Yadav D, Shukla RG, Purohit P, Bajpai N, Sharma P. An Empirical Study of Circulating miR-21 as a Potential Biomarker in Type-2 Diabetes Mellitus. APFCB 2019, 17th to 20th November, 2019, JECC, Jaipur.
14. Ukey S, Choudhury C, Sharma P. Structure Activity Relationship Studies for HDAC Subtype Selective Drug Designing. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November, 2019, JECC, Jaipur.
15. Presented paper titled "Skewing of Th17/Treg balance in Major Depressive Disorder" in NAMSCON 2019 organised from 11<sup>th</sup> to 13<sup>th</sup> Oct. 2019 at AIIMS, Bhopal.

#### Sessions Chaired:

1. AACC global lab quality initiative: Adding value to patient care using quality control (AACC). APFCB Congress 2019, 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.
2. Expanding space from Next Generation Sequencing diagnostics applications. APFCB Congress 2019, 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.
3. Recommendation to the Government and Policy makers regarding lead, LEADCON 2020, NIMHANS, 9<sup>th</sup> to 10<sup>th</sup> Feb 2020.

#### Invited Lectures

1. Quality Challenges in Global Laboratory Medicine. 71st Annual Scientific Meeting of American Association of Clinical Chemistry (AACC), 4<sup>th</sup> to 8<sup>th</sup> August, 2019, Anaheim, CA, USA.
2. Quality Assurance in verifying laboratory test results. 6th African Federation of Clinical Chemistry, 25<sup>th</sup> to 28<sup>th</sup> September 2019, Marrakech, Morocco.
3. Skewing of Th17/Treg balance in Major Depressive Disorder. NAMSCON 2019, 11<sup>th</sup> to 13<sup>th</sup> Oct. 2019, AIIMS, Bhopal
4. Building tomorrow's leaders by the young generation. APFCB Congress 2019, 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.
5. Leading the Appropriate Utilization of Medical Laboratory Services. APFCB Congress 2019, 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.

6. Managing Quality and Quality Metrics in Laboratory. Lab Management Conference (MEDLAB), 3<sup>rd</sup> to 6<sup>th</sup> Feb 2020, Dubai.

#### **Symposium Speaker**

1. Leading the Appropriate Utilization of Medical Laboratory Services. APFCB Congress 2019, 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.

#### **Resource Faculty:**

1. IFCC EMD workshop. 6th African Federation of Clinical Chemistry, 25<sup>th</sup> to 28<sup>th</sup> September, 2019, Marrakech, Morocco.
2. AACC global lab quality initiative: Adding value to patient care using quality control (AACC), APFCB Congress 2019, 17<sup>th</sup> to 20<sup>th</sup> November 2019, JECC, Jaipur

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Assessment of oxidative, genotoxic and global epigenetic alterations in occupationally lead (Pb) exposed workers of Jodhpur.
2. Correlation of Interleukins (IL-10, IL-18), MicroRNA Species (miR 198 and miR 24), and Transcription Factor Pdx-1 in Type 2 Diabetes Mellitus.

##### **As Co-Investigator**

1. Predictors of ovarian function reserve in premenopausal patients with breast cancer.
2. Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behavior changes in Schizophrenia patients.

#### **Extramural Research Project as Co-PI (Ongoing)**

1. Establishment of DBT NIDAN Kendra at AIIMS Jodhpur for Genetic Disorders in Rajasthan.
2. Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trail of an Innovative Educational Intervention.
3. Genome India: Cataloguing the genetic variations in Indians

#### **Completed:**

##### **As Principal Investigator**

1. Correlation of blood lead levels with neurotransmitter receptors expressions and assessment of change in neurobehaviour in children of Jodhpur region, AIIMS, Jodhpur.
2. Lead levels in water, water containers and plumbing materials and its association with blood lead levels of children: A multi-centric pilot study, Indian Society for Lead Awareness and Research (InSLAR).
3. Blood lead level in children of Jodhpur region, AIIMS, Jodhpur.
4. Immune profile as marker of immunotoxicity of lead in children of Jodhpur.

##### **As Co-Investigator**

1. Evaluation of the Dynamics of Breast Cancer Stem cells with Oncogenic miRNAs (miR-10 a&b, miR-21, and miR-17), Tumor suppressor miRNAs (miR-200a &b, miR-205 and miR-145) and their significance in development, progression and metastasis of breast cancer.
2. Low Birth weight in new born and anaemia in pregnancy in Fluoride endemic areas of Western Rajasthan
3. Piloting of the National NCD Monitoring Survey-A four site study
4. Development and Application of Novel Real-Time Loop mediated Isothermal Amplification for detection and quantification of Hepatitis B viral load
5. Survey for Monitoring the National Non-Communicable Diseases Targets 2016-17

6. Epigenetic modification of apelin and leptin gene in obese subjects
7. Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention
8. A Study of Antitubercular drug induced hepatitis in western Rajasthan
9. Evaluation of serum GDF-15, IL-9 and TH9 in Type 2 diabetics with cardiovascular diseases
10. Establishment of DBT-NIDAN Kendra at Rajasthan AIIMS Jodhpur
11. Correlation between salivary and serum C-reactive protein among neonates with sepsis, AIIMS, Jodhpur.
12. Serial estimation of serum HMGB1 levels to determine Post Mortem Interval in human Cadavers", AIIMS, Jodhpur.
13. Association of Single nucleotide polymorphisms in DNA Repair Gene (XRCCI) (Arg399Gln; rs25487) and SNAP25 (rs3746544) Patients with Schizophrenia in North Indian population.
14. Correlation of miR155 and miR101 expression with c-fos in patients of Oral Submucous Fibrosis and Oral Squamous cell carcinoma.
15. Study of vitamin D level and cardiometabolic abnormalities in patients with schizophrenia and bipolar disorders.
16. Immunohistochemical validation of TLE-1, Nuclear beta-catenin and MIB-1 in soft tissue sarcomas with RT-PCR based correlation of SYT-SSX in cases of Synovial sarcomas.
17. Determination of Vitamin D reference level in Healthy Population in Urban Rajasthan.
18. Role of perforin on metabolic inflammation: A comparison of type 2 DM and healthy control".
19. Expression and correlation of micro RNA with NGAL in patients of type 2 Diabetes Mellitus".
20. Association of DMT1 and Metallothionein 2A polymorphism with lead related hypertension and cardiovascular autonomic dysfunction in lead exposed workers.
21. Role of VEGF and P1GF in prediction of preeclampsia.
22. Association of candidate gene polymorphism, inflammatory markers and suicidal risk in patients with depressive disorder in north indian population : A pilot study
23. To explore MiR-24 and Th 17/Treg-imbalance as markers for disease activity in patients with rheumatoid arthritis and its correlation with clinical assessment of disease activity
24. Blood lead levels in antenatal women with iron deficiency anaemia and adverse pregnancy outcomes: a pilot study
25. Study of Associations between interleukin IL-1A gene family (Interleukin IL-1A and IL-1Ra Gene) Polymorphism and severity of Rheumatoid Arthritis in western Indian populations.
26. Expression of microRNAs (miR 187 & miR146) and their association with pro and anti inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-kB in pregnancies complicated by Pre-eclampsia
27. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus.
28. Association of miR-21, miR-141, miR-145 and miR10b in the induction and propagation of cancer stem cell in prostate cancer
29. "Pilot Study: miRNA 222, 210, 146a expression in occupationally heavy metal (Pb & Cd) exposed workers".
30. "A case control study of circulating GDF-15, miRNAs (21,181b) and PBMs Smad7 in obese pre-diabetics and type 2 diabetics"
31. To assess maternal serum Netrin-1 and procalcitonin and their association with preeclampsia in Indian women: A pilot study
32. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate cancer patients.
33. To study Cardio Metabolic, Inflammatory & cognitive effect of Chronic Cannabis use in urban & rural population of Rajasthan. A Retrospective Cohort Study.
34. Evaluating an Innovative method to teach Genetics to Medical Students: Improving Competency and Interest in Applied Basic Sciences.



35. Correlation of apoptosis, angiogenesis and cell regulating miRNA (miR 221-3p, miR133a-3p and miR 9-5p) with global methylation and promoter-specific methylation of the P16, SOCS-1, and SHP-1 genes and their expression in patients of oral submucous fibrosis and oral squamous cell carcinoma
36. Evaluation of cell-free DNA and miRNA in stored blood in relation to storage lesions and quality parameters of red cell units
37. The evaluation of the correlation of cutaneous hyperandrogenism with Anti Mullerian hormone levels and polycystic ovarian morphology (PCOM) in females.
38. Role of perforin in metabolic inflammation: A comparison of Type 2 Diabetes Mellitus and Healthy controls
39. Prevalence of metabolic syndrome in children with bronchial asthma
40. "Role of Inflammatory Marker, Atypical Bacterial Infection and Serum Vitamin D3 Level in Recurrent Wheezing in Children under Five Years of Age: A Cross-sectional Study"
41. "Presepsin for the detection and risk stratification of sepsis in children"
42. Characterization of organ specific microRNA expression in human tissues: A pilot study
43. Evaluating the concentrations of heavy metals in the oral sub mucous fibrosis and oral cancer patients using blood and saliva as diagnostic mediums.
44. Evaluating the dynamics of breast cancer stem cells with apoptosis, necrosis, angiogenesis and cell cycle regulating miRNA (miR 221-3p, miR133a-3p and miR 9-5p) in patients undergoing systemic neoadjuvant or palliative chemotherapy for breast cancer.

#### Scientific Awards/Patents

1. Fellowship; National Academy of Medical Sciences

#### Examinership

1. PhD. Sher-i-Kashmir Institute of Medical Science, Srinagar, 29 March 2019.
2. M.Sc. Biochemistry Exam, PGIMER, Chandigarh, 10<sup>th</sup> -11<sup>th</sup> May 2020.

#### Membership/Post in Journal or Society or Association

##### A National:

1. President; Indian Society of Lead Awareness and Research (InSLAR) from 2017 – till date.
2. President; Rajasthan Association of Clinical Biochemists from 2014 to till date.
3. Chairman; Corporate Wing of Association of Clinical Biochemists of India (ACBI-CW) w.e.f. 2009.
4. Director; National Lead Referral Centre for Lead Projects in India (NRCLPI), Jodhpur.
5. Joint Director; Indian Board of Clinical Biochemistry since 2011.

##### B International:

1. Chair; Committee for Clinical Lab Management (CCLM), International Federation of Clinical Chemistry (IFCC)
2. Chair; Communication Committee Asia Pacific Federation of Clinical Biochemistry (APFCB).
3. Chair; Congress and Conferences Asia Pacific Federation of Clinical Biochemistry (APFCB).
4. Member; American Association of Clinical Chemistry (AACC)

##### C Editorship:

1. Editor-in-Chief; Indian Journal of Clinical Biochemistry (IJCB), January 2006 to till date.
2. Chief Editor; APFCB (Asia Pacific Federation of Clinical Biochemistry) News, from 2010 to till date.
3. Member; Editorial Board RUHS Journal of Health Sciences
4. Member; Editorial Board, Turkish Journal of Biochemistry

##### D Visiting Professor;

1. High altitude Pulmonary and Pathology Institute, Zubieta University, Bolivia.

**E The UNESCO Chair in Bioethics Haifa:**

1. Lead, Bioethics Unit of the international Network of the UNESCO Chair in Bioethics.

**National/ International Conferences attended:**

1. IFCC CCLM functional meeting scheduled on May 19<sup>th</sup>, 2019 at 23<sup>rd</sup> IFCC-EFLM EuroMedLab Barcelona 2019 Congress at Barcelona, Spain.
2. 13<sup>th</sup> National Society Journal Editors & Publisher Meeting organised by the communication and Publication Division 20<sup>th</sup> May, 2019 at Barcelona, Spain.
3. 71<sup>st</sup> Annual Scientific Meeting of American Association of Clinical Chemistry (AACC) at Anaheim, CA, USA from 4<sup>th</sup> to 8<sup>th</sup> August, 2019.
4. IFCC EMD workshop during 6<sup>th</sup> African Federation of Clinical Chemistry from 25<sup>th</sup> to 28<sup>th</sup> September, 2019 at Marrakech, Morocco.
5. 6<sup>th</sup> African Federation of Clinical Chemistry from 25<sup>th</sup> to 28<sup>th</sup> September, 2019 at Marrakech, Morocco.
6. Workshop titled "AACC global lab quality initiative: Adding value to patient care using quality control (AACC)" during APFCB Congress 2019 from 17<sup>th</sup> - 20<sup>th</sup> November, 2019 at JECC, Jaipur.
7. Workshop titled "Building tomorrow's leaders by the young generation" during APFCB Congress 2019 from 17<sup>th</sup> - 20<sup>th</sup> November, 2019 at JECC, Jaipur.
8. APFCB Congress 2019 from 17<sup>th</sup> - 20<sup>th</sup> November, 2019 at JECC, Jaipur..
9. 6<sup>th</sup> Annual International Lead Conference (LEADCON 2020) at NIMHANS-National Institute of Mental Health and Neurosciences in association with Indian Society of Lead Awareness and Research (InSLAR) and National Referral Center for Lead Poisoning India (NRCLPI) at NIMHANS, Bengaluru from 9<sup>th</sup> to 10<sup>th</sup> Feb, 2020.
10. Lab Management Conference (MEDLAB) from 3<sup>rd</sup> to 6<sup>th</sup> Feb, 2020 at Dubai.

**Name of faculty: Dr. Mithu Banerjee**

**Designation: Additional Professor**

**Papers Presented:**

1. Gupta S, Mitra P, Banerjee M, Sharma P. Comparison of three different methods of genomic DNA extraction and the effect of storage temperature on its yield. 15<sup>th</sup> APFCB Congress 2019; 17<sup>th</sup> - 20<sup>th</sup> November 2019, JECC, Jaipur.

**Sessions Chaired:**

1. "Cancer Biology & Therapeutics", Symposium at Asia Pacific Federation of Clinical Biochemistry, 15<sup>th</sup> APFCB Congress 2019; 17<sup>th</sup> to 20<sup>th</sup> November 2019, JECC, Jaipur

**Invited Lectures**

1. "Your DNA is not your destiny". National Level workshop organized by DHR & ICMR on "Clinical & Translational research for Precision Medicine"; 06 Dec 2019, Manipal Comprehensive Cancer Care Center, Dept of Community Medicine KMC Manipal & Dept of Pharmacy Practice, Manipal College of Pharmaceutical Sciences.

**Symposium Speaker**

1. 'Trends in Laboratory Investigation of Diabetes Mellitus'. Diabetes symposium sponsored by APFCB. 15<sup>th</sup> APFCB Congress 2019; 17<sup>th</sup> - 20<sup>th</sup> November, 2019, JECC, Jaipur

**Resource Faculty:**

1. Clinical & Translational research for Precision Medicine. DHR & ICMR, 06 Dec 2019, Manipal Comprehensive Cancer Care Center, Dept of Community Medicine KMC Manipal & Dept of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, Manipal

#### Membership/Post in Journal or Society or Association

1. Member; American Association of Clinical Chemistry
2. Corresponding member; C- EUBD Committee for Education in the Use of Biomarkers of Diabetes by national society ACBI (Association of Clinical Biochemists of India).

#### National/ International Conferences attended:

1. International Conference – 15th APFCB Congress 2019, JECC, Jaipur, 17<sup>th</sup> - 20<sup>th</sup> November 2019.

**Name of faculty: Dr Purvi Purohit**

**Designation: Additional Professor**

#### Books/Chapter

1. Shailendra Dwivedi, Radhika Misra, Purvi Purohit, Jeewan Ram Vishnoi, Puneet Pareek, Apul Goel, Sanjay Khattri, Praveen Sharma, Kamlesh Kumar Pant, Sanjeev Misra. Molecular Diagnosis in Ovarian Carcinoma. Molecular Diagnostics in Cancer Patients. In: Shukla K., Sharma P., Misra S. (eds). Singapore: Springer, (2019): 323-341.

#### Papers Presented:

1. Purohit P, Roy D, Modi A, Sharma P, Shukla R. A pilot study of Micro RNA21-5p as a potential biomarker in obese pre-diabetes and Type 2 Diabetes mellitus. 23<sup>rd</sup> IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, 19-23 May 2019, Barcelona, Spain.
2. Sharma P, Lingeswaran M, Dwivedi S, Nebhinani N, Purohit P. Lead exposure affects 5HT2A Serotonin Receptor and Transporter expression in Pediatric age group: An Explorative Study in North-Western India. EFLM European Congress of Clinical Chemistry and Laboratory Medicine; 19-23 May 2019 Barcelona, Spain.
3. Raghunoy Ghosh, PVSN Kiran Kumar, Prasenjit Mitra, Purvi Purohit, Naresh Nebhinani, Praveen Sharma. Elevated circulating Th17 count points towards Th17 dependent neuro inflammation in MDD". 15<sup>th</sup> Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17<sup>th</sup> -20<sup>th</sup> November 2019, Jaipur, India.
4. Roy D, Modi A, Khokhar M, Chaudhary R, Shukla RG, Sankanagoudar S, Purohit P, Sharma P. Role of microRNA-181b and Growth Differentiation Factor-15 on insulin resistance in Type II diabetes at the 15<sup>th</sup> Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17<sup>th</sup> -20<sup>th</sup> November 2019, Jaipur, India
5. Agarwal R, Roy D, Modi A, Khokhar M, Purohit P, Sharma P. A pilot study of serum Growth Differentiation Factor-15 (GDF-15) and its association with serum insulin and HOMA-beta in Type 2 diabetes mellitus at the 15<sup>th</sup> Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17<sup>th</sup> -20<sup>th</sup> November 2019, Jaipur.
6. Purohit P, Modi A, Sharma S, Vishnoi J, Pareek P, Elhence P, Sharma P. A pilot study exploring role of Growth Differentiation Factor 15 as a Cause of Drug Resistance in Breast cancer at the 15<sup>th</sup> Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17<sup>th</sup> - 20<sup>th</sup> November 2019, Jaipur.
7. Khokhar M, Yadav D, Shukla RG, **Purohit P**, Bajpai N, Sharma P. 2019. An Empirical Study of Circulating miR-21 as a Potential Biomarker in Type-2 Diabetes Mellitus.

**Invited Lectures**

1. Micro RNAs at cross-road of innate and adaptive immunity in solid tumour. 15<sup>th</sup> APFCB Congress, 17-20 Nov 2019, JECC, Jaipur

**Research Projects:****Ongoing:****As Principal Investigator**

1. A case-control study analyzing role of GDF-15 in induction of stemness of Triple Negative Breast Cancer AIIMS Jodhpur Intramural

**As Co-Principal Investigator****Extramural**

1. **ICMR Core grant:** An observational study analyzing the post-mortem interval in Human cadavers using autophagy proteins- **Sanctioned as Co-PI (April 2019)**
2. **DHR/ICMR GIA 2019-20:** Stimulating medical students' interest in medical genetics: Randomized controlled trial of an innovative educational intervention. **Sanctioned as Co-PI (November 2019)**
3. **DHR/ICMR GIA 2019-20:** Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP 5 gene. **Sanctioned as Co-PI (March 2020)**
4. **DHR/ICMR GIA 2019-20:** An observational study of prevalence of Vitamin D deficiency in pregnant Indian females and its association with Gestational Diabetes. **Sanctioned as Co-PI (March 2020)**

**As Co-I (ongoing)**

1. Evaluating the dynamics of breast cancer stem cells with apoptosis, necrosis, Angiogenesis and cell cycle regulating miRNA (miR 221-3p, miR133a-3p and miR 9-5p) in patients undergoing systemic neoadjuvant or palliative chemotherapy for breast cancer. AIIMS Jodhpur, Intramural Project 2017-18, as CO- PI.
2. Expression of miRNA (miR 187 & mir 146) and their association with pro and anti-inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-kB in pregnancies complicated by preeclampsia. As Co-PI
3. Characterization of organ specific microRNA expression in human tissues: A pilot study. AIIMS Jodhpur, Intramural Project 2017-18, as CO- PI.
4. Correlation of Apoptosis, Angiogenesis and cell cycle regulating miRNA (miR 221-3p, miR133a-3p and miR 9-5p) with Global methylation and promoter-specific methylation of the P16, SOCS-1, and SHP-1 genes and their expression in patients of Oral submucous fibrosis and Oral squamous cell carcinoma. AIIMS Jodhpur, Intramural Project 2017-18, as CO- PI.
5. Evaluating the Expression of Oncogenic and Tumour Suppressor miRNA and Breast Cancer Stem Cells in Breast Cancer Cell Lines **Intramural**
6. Beta defensin expression in malignant head and neck tumors. **Intramural (2018-19) as CoPI**
7. **ICMR Core grant:** An observational study analyzing the post-mortem interval in Human cadavers using autophagy proteins
8. **DHR/ICMR GIA 2019-20:** Stimulating medical students' interest in medical genetics: Randomized controlled trial of an innovative educational intervention.
9. **DHR/ICMR GIA 2019-20:** Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP 5 gene.
10. **DHR/ICMR GIA 2019-20:** An observational study of prevalence of Vitamin D deficiency in pregnant Indian females and its association with Gestational Diabetes.

**Completed:****As Principal Investigator**

1. A case control study of circulating GDF-15, miRNAs (21, 181b) and PBMs Smad7 in obese pre-diabetics and type 2 diabetics. AIIMS Jodhpur, Intramural Project 2017-18 as PI. AIIMS Jodhpur

**As Co-Investigator**

1. Serial estimation of serum HMGB1 levels to determine Post Mortem Interval in human Cadavers. AIIMS Jodhpur, Intramural Project 2015-16 as Co-PI.
2. Evaluate the expression of cfos and correlate with miRNA 101 and 155 in oral premalignant and malignant lesions. AIIMS Jodhpur, Intramural Project 2016-17 as Co-PI.
3. Evaluation of the role of cardiovascular autonomic function and peripheral vascular endothelial function in patients with primary hyperhidrosis: A prospective, investigational study. AIIMS Jodhpur, Intramural Project 2016-17 as Co-PI.
4. Role of magnesium in Vitamin D deficiency. AIIMS Jodhpur, Intramural Project 2016-17 as Co-PI.

#### **Examinership**

1. MBBS 1<sup>st</sup> Professional Exam. AIIMS Jodhpur. 15 to 17 July 2019
2. MBBS 1<sup>st</sup> Professional Exam. (Supplementary) AIIMS Jodhpur 20 September 2019
3. BSc Nursing Professional Exam AIIMS Jodhpur 25 April 2019
4. MBBS 1<sup>st</sup> Professional Exam. AIIMS Patna. 25-27 July 2019
5. MBBS 1<sup>st</sup> Professional Exam. (Supplementary) AIIMS Patna 29 Sep 2019

#### **Membership/Post in Journal or Society or Association**

1. Corresponding member IFCC-C-CMBC since Sep 2019
2. Treasurer 15<sup>th</sup> APFCB Congress 2019
3. Web-editor [www.apfcb.org](http://www.apfcb.org)
4. Assistant Editor APFCB News

#### **National/ International Conferences attended:**

1. IFCC-EFLM Congress, Barcelona, 19-23 May, 2019
2. 15<sup>th</sup> APFCB Congress 2019, 17 – 20 November Jaipur

**Name of Faculty: Dr. Dharmveer Yadav**  
**Designation: Associate Professor**

#### **Papers Presented:**

1. Yadav D, Nangaliya V "Study of Trace Elements in Liver Cirrhosis Patients and Their Role in Prognosis of Disease" during 15<sup>th</sup> Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress from 17<sup>th</sup> to 20<sup>th</sup> November 2019 at JECC, Jaipur.
2. Khokhar M, Yadav D, Shukla RG, Purohit P, Bajpai N, Sharma P. An Empirical Study of Circulating miR-21 as a Potential Biomarker in Type-2 Diabetes Mellitus. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November, 2019, JECC, Jaipur.

#### **Sessions Chaired:**

1. Quality Control Analysis in Clinical Laboratory CME held on 22/02/2020 at GMERS Medical College, Himmat Nagar, Gujarat.
2. Chairperson for Symposium No.40 (Free paper) at 15<sup>th</sup> Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress from 17<sup>th</sup> to 20<sup>th</sup> November 2019 at JECC, Jaipur.

#### **Resource Faculty:**

1. Inborn errors of Amino acid metabolism and their assay at Stani Memorial College, IIRM, Jaipur 3-10-2019.

#### **Research Project:**

**Ongoing:****As Principal Investigator**

1. Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behavior changes in Schizophrenia patients.

**As Co-Investigator**

1. Predictors of ovarian function reserve in premenopausal patients with breast cancer.

**Scientific Awards/Patents**

1. APFCB 2019 Organizing Committee Best Poster Award for Poster Entitled "Study of Trace Elements in Liver Cirrhosis Patients and Their Role in Prognosis of Disease" at APFCB Congress 2019 held at JECC, Jaipur from 17<sup>th</sup> to 20<sup>th</sup> November, 2019.

**Examinership**

1. M.Sc (Med). JLN Medical College, Ajmer. 28-05-2019.
2. 1<sup>st</sup> MBBS regular Exam, JLN Medical College, Ajmer 28<sup>th</sup> to 30<sup>th</sup> July, 2019
3. 1<sup>st</sup> MBBS regular Exam, RUHS Medical College, Jaipur, 22<sup>nd</sup> to 24<sup>th</sup> July, 2019
4. 1<sup>st</sup> MBBS regular Exam, GMERS Medical College, Varanagar, Gujarat, 5<sup>th</sup> to 7<sup>th</sup> August, 2019
5. 1<sup>st</sup> MBBS regular Exam, Getanjali Medical College, Udaipur, 1<sup>st</sup> to 3<sup>rd</sup> August, 2019.
6. 1<sup>st</sup> MBBS Supplementary Exam, SP Medical College, Bikaner, 12-10-2019.
7. 1<sup>st</sup> MBBS Supplementary Exam, JLN Medical College, Ajmer 10-10-2019.
8. 1<sup>st</sup> MBBS Supplementary Exam, Jhalawar Medical College, 14-10-2019.
9. 1<sup>st</sup> MBBS Supplementary Exam, Govt. Medical College, Kota, 15-10-2019.

**Membership/Post in Journal or Society or Association**

1. Life Member Indian Society for Lead Awareness & Research (InSLAR)
2. Associate Editor Indian Journal of Clinical Biochemistry

**National/ International Conferences attended:**

1. APFCB Congress 2019 held at JECC, Jaipur from 17<sup>th</sup> to 20<sup>th</sup> November, 2019.
2. 6th Annual International Lead Conference "LEADCON-2020" held from 9<sup>th</sup> & 10<sup>th</sup> February, 2020 at NIMHANS - National Institute of Mental Health and Neurosciences in association with Indian Society of Lead Awareness and Research (InSLAR) and National Referral Centre for Lead Poisoning India (NRCLPI).

**Name of Faculty: Dr. Shailja Sharma**

**Designation: Associate Professor**

**Papers Presented:**

1. Sharma S, Sharma P. Role of Metallothionein-2A Polymorphism (MT2A, rs10636) in workers occupationally Exposed to Lead: An Indian Perspective. 23<sup>rd</sup> IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, Barcelona, 19-23 May 2019
2. Mitra P, Goyal T, Singh P, Sharma S, Sharma P. Assessment of circulating miR-20b, miR-221 and miR-155 in occupationally lead exposed workers of Jodhpur. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
3. Goyal T, Mitra P, Sharma S, Singh P, Saikiran G, Sharma P. Effect of lead on immunoregulatory cytokines in occupationally exposed workers. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur

4. Singh P, Mitra P, Sharma S, Goyal T, Saikiran G, Sharma P. Evaluation of lead Aluminium and Zinc in occupationally heavy metal exposed population. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
5. Kiran Kumar K, Ghosh R, Mitra P, Sharma S, Naresh N, Sharma P. Association of Serum Brain Derived Neurotrophic Factor (BDNF) levels with BDNF (rs6265) Polymorphism in Schizophrenia. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
6. Lingeswaran M, Dwivedi S, Sharma S, Saikiran G, Mitra P, Sharma P. Impact of lead exposure on neurobehavioral development in school going children. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
7. Goyal T, Mitra P, Singh P, Sharma S, Sharma P. Assessment of circulating miRNA in occupationally exposed workers of Jodhpur. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
8. Singh P, Mitra P, Sharma S, Goyal T, Saikiran G, Sharma P. A study on 8-ohdG levels in occupationally lead exposed population. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
9. Ghosh R, Goyal T, Lingeswaran M, Kumar K, Mitra P, Sharma S, Sharma P Blood lead levels regulate circulating plasmacytoid dendritic cell count in dose dependent manner. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
10. Kumar K, Mitra P, Sharma S, Nebhinani N, Sharma P Association of Serum Zinc and Blood Lead Levels with BDNF rs6265 Polymorphism. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
11. Lingeswaran M, Sharma S, Mitra P, Dwivedi S, Saikiran G, Abhilasha, Goyal T, Sharma P Neurobehavioral changes in children exposed to lead pollution. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
12. Saikiran G, Mitra P, Goyal T, Singh P, Sharma S, Sharma P. Levels of essential trace metal in Occupationally Lead Exposed Individuals: A Pilot Study. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
13. Saikiran G, Sharma S, Mitra P, Goyal T, Singh P, Sharma P. Selenium levels in occupationally lead exposed workers of Jodhpur. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru

#### **Research Project:**

##### **Ongoing:**

1. Association Of Selenium With Lead, Inflammatory & Oxidative Markers And Epigenetic Modifications In Occupationally Lead Exposed Workers

##### **Examinership:**

1. 1<sup>st</sup> Prof. MBBS Biochemistry, Dr. S.N Medical College, Jodhpur 20<sup>th</sup> to 23<sup>rd</sup> July, 2019.

##### **Membership/Post in Journal or Society or Association**

1. Regional Representative ACBI

##### **National/ International Conferences attended:**

1. 23rd IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, Barcelona, 19-23 May, 2019

**Name of Faculty: Dr. Shrimanjunath Sankanagoudar**

**Designation: Assistant Professor**

##### **Papers Presented:**

1. Sankanagoudar S, Bidi S, Sharma P. Comparison of urinary amino acid pattern in patients with type 2 diabetes mellitus and non-diabetic healthy controls at a tertiary referral hospital in India. International Congress of Diabetes and Metabolism, October 10-12, 2019, Seoul, Korea.

2. Sankanagoudar S, Tomo S, Sharma P. Comparison of formulae for calculated Low-Density Lipoprotein cholesterol with direct assay in patients with hypothyroidism. 15<sup>th</sup> Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17<sup>th</sup> – 20<sup>th</sup> November, 2019, JECC, Jaipur (India).
3. Roy D, Modi A, Khokhar M, Chaudhary R, Shukla RG, Sankanagoudar S, Purohit P, Sharma P. Role of MicroRNA-181b and Growth Differentiation Factor-15 on Insulin Resistance in Type II Diabetes. APFCB 2019, 17<sup>th</sup> to 20<sup>th</sup> November, 2019, JECC, Jaipur (India).
4. Shukla KK, Sankanagoudar S, Choudhary GR, Vishnoi JR, Pareek P, Sharma P, Misra S. Impact of microRNA expression and characterization of cancer stem cell in prostate cancer at Indian Academy of Biomedical Sciences (IABSCON 2020), 27<sup>th</sup> to 29<sup>th</sup> February, 2020, D.Y.Patil Medical College, Kolhapur (India).

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Study the association between glycemic status and severity of sepsis using glycated hemoglobin, Non-funded, AIIMS, Jodhpur. (2020-21)

##### **As Co-Investigator**

1. Association of miR-21, miR-141, miR-145 and miR-10b in the induction and propagation of cancer stem cell in prostate cancer. Intra-mural, AIIMS, Jodhpur. (2017-18)
2. Role of inflammatory marker, atypical; bacterial infection and Vitamin D3 level in recurrent wheezing in children under five years of age: A prospective case control study. Intra-mural, AIIMS, Jodhpur. (2017-18)
3. Screening of Non Communicable Diseases Risk among Tuberculosis patients of Jodhpur - An Explorative Pilot Study. Intra-mural, AIIMS, Jodhpur. (2017-18)

##### **Completed:**

##### **As Principal Investigator**

1. Assessment of plasma and urinary amino acids among patients of type 2 diabetes mellitus, Intra-mural, AIIMS, Jodhpur. (2017-18)
2. Comparison of nine different formulae for calculated LDL cholesterol with LDL cholesterol by direct assay in patients with subclinical and overt hypothyroidism, Non-funded, AIIMS, Jodhpur. (2018-19)

##### **Scientific Awards/Patents**

1. Travel Grant Award 2019 International Congress of Diabetes and Metabolism, October 10-12, 2019, Seoul, Korea

##### **Examinership**

1. External examiner to conduct Practical Examinations of B.Sc. MLT Part I, II, III year at Dr. S. N. Medical College, Jodhpur (RUHS) from 25<sup>th</sup> – 27<sup>th</sup> November 2019.

##### **Membership/Post in Journal or Society or Association**

1. Member of American Association of Clinical Chemistry (AACC).
2. Member of Divisions of Mass Spectrometry & Separation Science, AACC.
3. Member of Divisions of Proteomics and Metabolomics, AACC.



**National/ International Conferences attended:**

1. Attended 2019 International Congress of Diabetes and Metabolism, Seoul, Korea October 10-12, 2019.
2. Attended 15<sup>th</sup> Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), at Jaipur (India), 17<sup>th</sup> – 20<sup>th</sup> November, 2019.
3. Actively participated in Introductory course on Evidence Based Medicine, conducted by Research section, AIIMS, Jodhpur (India), 26<sup>th</sup> March – 4<sup>th</sup> April, 2019.
4. Actively participated in workshop on AACC Global Lab Quality Initiative: Adding value to patient care using quality control (AACC) at 15<sup>th</sup> Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), at Jaipur (India), 17<sup>th</sup> – 20<sup>th</sup> November, 2019,
5. Actively participated in workshop on Clinical Diagnostic Test Methods at CMC, Vellore (India) from 9<sup>th</sup> – 11<sup>th</sup> December, 2019.
6. Attended training programme on HPLC and LCMS (SDP\_NCL20\_2019) at National Chemical Laboratory (NCL), Pune (India) from 3<sup>rd</sup> – 7<sup>th</sup> February, 2020.

**Name of faculty: Dr. Prasenjit Mitra**

**Designation: Assistant Professor**

**Papers Presented:**

1. Mitra P. Ethics in Clinical laboratory medicine. Bioethicon, 8-10 November 2019, SRM University, Chennai
2. Mitra P, Goyal T, Singh P, Sharma S, Sharma P. Assessment of circulating miR-20b, miR-221 and miR-155 in occupationally lead exposed workers of Jodhpur. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
3. Gupta S, Mitra P, Banerjee M, Sharma P. Comparison of three different methods of genomic DNA extraction and the effect of storage temperature on its yield. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
4. Abhilasha, Mitra P, Suri S, Goyal T, Saxena I, Shukla RG, et al. Evaluation of IL-10R and IL-18R expression in Type 2 Diabetes Mellitus: A pilot study. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
5. Abhilasha, Mitra P, Goyal T, Sharma P. Role of epigenetic markers in lead toxicity. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
6. Goyal T, Mitra P, Sharma S, Singh P, Saikiran G, Sharma P. Effect of lead on immunoregulatory cytokines in occupationally exposed workers. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
7. Singh P, Mitra P, Sharma S, Goyal T, Saikiran G, Sharma P. Evaluation of lead Aluminium and Zinc in occupationally heavy metal exposed population. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
8. Ghosh R, Kumar K, Mitra P, Purohit P, Nebhinani N, Sharma P. Elevated circulating Th17 count points towards Th17 dependent neuroinflammation in MDD. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
9. Kiran Kumar K, Ghosh R, Mitra P, Sharma S, Naresh N, Sharma P. Association of Serum Brain Derived Neurotrophic Factor (BDNF) levels with BDNF (rs6265) Polymorphism in Schizophrenia. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
10. Lingeswaran M, Dwivedi S, Sharma S, Saikiran G, Mitra P, Sharma P. Impact of lead exposure on neurobehavioral development in school going children. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
11. Goyal T, Mitra P, Singh P, Sharma S, Sharma P. Assessment of circulating miRNA in occupationally exposed workers of Jodhpur. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
12. Singh P, Mitra P, Sharma S, Goyal T, Saikiran G, Sharma P. A study on 8-ohdG levels in occupationally lead exposed population. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru

13. Ghosh R, Goyal T, Lingeswaran M, Kumar K, Mitra P, Sharma S, Sharma P Blood lead levels regulate circulating plasmacytoid dendritic cell count in dose dependent manner. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
14. Kumar K, Mitra P, Sharma S, Nebhinani N, Sharma P Association of Serum Zinc and Blood Lead Levels with BDNF rs6265 Polymorphism. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
15. Lingeswaran M, Sharma S, Mitra P, Dwivedi S, Saikiran G, Abhilasha, Goyal T, Sharma P Neurobehavioral changes in children exposed to lead pollution. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru
16. Saikiran G, Mitra P, Goyal T, Singh P, Sharma S, Sharma P. Levels of essential trace metal in Occupationally Lead Exposed Individuals: A Pilot Study. 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur
17. Saikiran G, Sharma S, Mitra P, Goyal T, Singh P, Sharma P. Selenium levels in occupationally lead exposed workers of Jodhpur. 6<sup>th</sup> LEADCON, 9-10 February 2020, NIMHANS, Bengaluru

#### **Sessions Chaired:**

1. Oral Presentation Session – Bioethics in Genetics, Bioethicon, 8-10 November 2019, SRM University, Chennai
2. Oral Presentation Session – Bioethics in Biotechnology, Bioethicon, 8-10 November 2019, SRM University, Chennai

#### **Invited Lectures**

1. Molecular markers of Lead Toxicity, 6<sup>th</sup> International Conference on "Lead, Environment and Health", 9-10 February 2020, NIMHANS, Bengaluru

#### **Symposium Speaker**

1. POCT in India: Current Scenario and the road ahead, 59<sup>th</sup> Annual Meeting of Korean Society of Laboratory Medicine – LMCE, 26-28 September 2019, BEXCO, Busan, South Korea

#### **Scientific Awards/Patents**

1. IFCC TFYS Snibe Young Scientist Award, 15<sup>th</sup> APFCB Congress, 17-20 November 2019, Jaipur

#### **Membership/Post in Journal or Society or Association**

1. Assistant Editor, Indian Journal of Clinical Biochemistry
2. Joint Secretary, Association of Clinical Biochemist of India (ACBI)
3. Member, American Association of Clinical Chemistry (AACC)
4. Member, Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB)
5. Member, The Cochrane Community, UK

#### **National/ International Conferences attended:**

1. 59<sup>th</sup> Annual Meeting of Korean Society of Laboratory Medicine – LMCE, Korean Society of Laboratory Medicine, BEXCO, Busan, 26-28 September 2019
2. Bioethicon 2019, UNESCO Bioethics unit of SRM University, SRM University, Chennai, 8-10 November 2019
3. 15<sup>th</sup> Asia Pacific Federation of Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), Association of Clinical Biochemists of India (ACBI), JECC, Jaipur, 17-20 November 2019
4. 6<sup>th</sup> International Conference on "Lead, Environment and Health", InSLAR & NIMHANS, NIMHANS, Bengaluru, 9-10 February 2020

**Name of faculty: Dr. Maithili Karpaga Selvi. N**

**Designation: Assistant Professor**

**Membership/Post in Journal or Society or Association**

1. Editorial board member of Journal of pharmaceutical negative results (2019-2020)
2. Editorial board member of Journal of Young Pharmacists (2019-2020)
3. National M.Sc Medical Teachers Association (NMMTA) (2020/LM/RJ/BIOC/408)

**National/ International Conferences attended:**

1. Completed training on Quality Management Systems and Internal audit as per ISO 15189-2012 organized by 360 Diagnostic and Health Services Pvt Ltd from 11<sup>th</sup> to 14<sup>th</sup> April 2019 at MGMCRI. Puducherry.

**Workshops/ Conferences Organized**

**15<sup>th</sup> APFCB 2019**

The 15<sup>th</sup> Asia-Pacific Federation of Clinical Biochemistry and Laboratory Medicine (APFCB) Congress was held at Jaipur Exhibition and Convention Centre (JECC), Jaipur, Rajasthan, India from 17<sup>th</sup> to 20<sup>th</sup> of November 2019. It was organised by Association of Clinical Biochemists of India (ACBI) along with the support of Association of Medical Biochemist of India (AMBI). The theme of the congress was "Laboratory Medicine – Innovation & Integration".

The congress boasts of having six pre-congress workshops on varitable topics of clinical biochemistry, cancer diagnostics, lab quality control, latest laboratory techniques and various laboratory perspectives ranging ethics in laboratory to building future leaders in laboratory medicine. The workshops were supported by AACC, AACB, IFCC-ETD, IFCC-EB, IFCC-CCLM, IFCC-TFYS, and Roche-ACBI.

The highlight of the congress were the 4 plenary talks delivered by distinguished clinical scientists of national and international repute including Prof. Subrat Kumar Acharya, Prof. Maurizio Ferrari, Prof. Sampath Parthasarathy and Prof. David Kinniburgh. ACBI conferred oration awards to the four plenary speakers. Prof Subrat K Acarya was given "Awadesh Saran Memorial Oration award", Prof Maurizio Ferrari received "Seth G.S. Medical College & K.E.M. Hospital Oration Award", Prof Sampath Parthasarathy received "Mrs. And Dr. G. P Talwar Oration Award" and Prof David Kinniburgh was given the "Prof. T. N. Pattabhiraman Oration Award".

The scientific program of the Congress had 40 symposia containing 134 lectures presented on emerging topics of clinical biochemistry and laboratory medicine by various member societies of APFCB, IFCC, AACC, COLABIOCLI, WasPalm etc. Additionally, 40 oral papers and 366 scientific posters were presented in the Congress. Survey during the sessions was also conducted by means of feedback forms for speaker feedback, congress programme, presentation content and services. Participant feedback exhibited the grand success of the congress.

Prof. Leslie Lai was awarded the "Lifetime Achievement Award" for his outstanding contribution to APFCB and scientific excellence. There were three IFCC – Visiting Lecture Fellows: Prof Sampath Parthasarathy, Prof Sedef Yenice and Prof Ed Randell. The Congress also offered a total of 47 awards and scholarships to support the participation of young fellows and scientists.

A total number of 662 participants and 308 exhibitors from all over the world participated in this Congress. A total of 28 companies exhibited their products in the Congress. Four academic societies (APFCB Congress, IFCC Worldlab 2020, IFCC and ACBI) also joined the exhibition for the promotion of their upcoming congresses.



Inaugural function, 15<sup>th</sup> Asia-Pacific APFCB Congress, 2019



Session in progress, 15<sup>th</sup> APFCB, 2019

## Department of Burns and Plastic Surgery

S.No.	Name	Designation
1	Dr. Ranjit Kumar Sahu	Associate Professor
2	Dr. Prakash Chandra Kala	Associate Professor

### About the Department

Burns and Plastic surgery department has been a rapidly progressive department. Currently the department has three faculties, two academic senior residents, one non-academic senior resident and one non-academic junior resident.

Department has been actively involved in undergraduate teaching through conventional and unconventional methods resulting in an increase awareness and understanding of Plastic surgery among students. Department has a structured academic protocol for postgraduate students. Postgraduate teaching encompasses seminars, journal club and case presentations. Monthly assessment and its feedback are conducted to reinforce learning and keep the postgraduate students motivated. Our postgraduate students have attended national conferences and presented papers.

Department has been actively involved in research and publications. Number of publications from the department have inflated remarkably in recent year. Thesis research projects of post graduate residents are running in the department. Faculties have submitted projects to intramural and extramural funding agencies for grants. Our faculties are invited as speakers, resource persons and to chair the session. They are members of prestigious associations and hold positions in scientific bodies.

Patient care has witnessed a remarkable improvement. Number of patients visiting OPDs have increased immensely. Number of surgeries and type of surgeries have inflated significantly including microsurgical reconstruction in trauma as well as after oncologic resection. Newer equipment procured in the department which led to the number of new surgeries performed in department like brachial plexus surgery and cleft lip and palate surgeries. Department has also been on forefront on patient education. Public awareness programs have been organized inside and outside of the institute to create awareness in masses.

Department has contributed immensely for the spread of knowledge in Plastic surgery fraternity by organizing CME and workshops. Mid-term CME of National Academy of Burns in India and hands on cadaveric workshop on flaps were organized successfully. Eminent faculties and delegates from across the country participated in these events.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. Sahu RK, Kala PC, Midya M. Two-staged reverse sural flap: a versatile flap with consistent results in the soft tissue reconstruction of distal leg and heel defects—an institutional experience. *Eur J Orthop Surg Traumatol.* 2020 Feb;30(2):337-341.
2. Sahu RK, Kala PC, Dixit Pawan K, Katrolia D, Chakraborty S, Suresh K. Finger Pulp Reconstruction with Thenar Flap: Aesthetic and Functional Outcomes. *Chinese Journal of Traumatology*, in press
3. Sahu RK, Midya M. "Hand inside glove": Useful method of burn dressing in children. *J Family Med Prim Care.* 2019 Apr; 8(4): 1483-5.
4. Sahu RK, Midya M. Creating a Microdissection Cautery Tip Using Disposable Needle. *J Cutan Aesthet Surg.* 2019; 12:248-9.

#### Eminent Visitors:

1. Prof A K Singh, KGMU, Lucknow
2. Prof Vinita Puri, KEM hospital, Mumbai
3. Prof A K Choudhary, SCB medical college, Cuttuck

4. Prof G S Kalra, SMS, Jaipur
5. Prof Pradeep Goil, SMS, Jaipur
6. Dr Satyaswarup Tripathy, PGIMER, Chandigarh
7. Dr Pramod Kumar, PGIMER, Chandigarh
8. Dr Sunil Kumar Rout, AIIMS Bhubaneswar

**Name of Faculty: Ranjit Kumar Sahu**  
**Designation: Associate Professor**

**Papers Presented:**

1. Sahu RK, Midya M. Hand inside glove: Useful method of burn dressing in children. NABICON, 21<sup>st</sup> - 23<sup>rd</sup> Feb 2020, Shimla.

**Sessions Chaired:**

1. Session of Trauma, 54<sup>th</sup> Association Plastic Surgeon of India, 11<sup>th</sup>- 15<sup>th</sup> Dec 2019, Bhubaneswar
2. Session of Burn Reconstruction, 28<sup>th</sup> National Academy Burns India, 21<sup>st</sup>- 23<sup>rd</sup> Feb 2020, Shimla

**Membership/Post in Journal or Society or Association**

1. Executive Member; National Academy Burns India. (NABI)
2. Joint Secretary; Rajasthan Association of Plastic Surgery (RAPS)

**National/ International Conferences attended:**

1. Global Rhinoplasty Update. Naksh Rhinoplasty Center, Jaipur, 20<sup>th</sup>-21<sup>st</sup> April 2019
2. Free Flap Workshop. Agra Plastic Surgeon Association, Agra, 25<sup>th</sup> -27<sup>th</sup> April 2019
3. Rhinoplasty Video Workshop. Rajasthan Association of Plastic Surgeons, Jaipur, 9<sup>th</sup> June 2019
4. Nabi Mid Term CME 2019. Department of Burns and Plastic Surgery, AIIMS, Jodhpur, 3<sup>rd</sup> -4<sup>th</sup> August 2019
5. AOCMF Introductory Seminar, Department of Dentistry, AIIMS, Jodhpur, 10<sup>th</sup> -11<sup>th</sup> August 2019
6. Techniques in Plastic Surgery. Department of Plastic Surgery, Medanta Hospital, Gurgaon. 7<sup>th</sup> - 8<sup>th</sup> Sep 2019
7. Masterclass in Craniomaxillofacial reconstruction, Department of Plastic surgery, 17<sup>th</sup> Oct 2019, AIIMS New Delhi.
8. Cadaveric Flap Dissection Course, Department of Burns and Plastic Surgery, AIIMS, Jodhpur, 8<sup>th</sup>-9<sup>th</sup> Nov 2019.
9. ONCORECON. Rajasthan Association of Plastic Surgeons, 1<sup>st</sup>-2<sup>nd</sup> Feb 2020

**Name of Faculty: Dr Prakash Chandra Kala**  
**Designation: Associate Professor**

**Sessions Chaired:**

1. Genital surgery in transmen. IPATHCON 2019, 1<sup>st</sup>-2<sup>nd</sup> Nov 2019, Jamia Hamdard University, Delhi
2. Session 4. Techniques in plastic surgery. TIPS at Medanta. 7<sup>th</sup>- 8<sup>th</sup> Sep 2019, Medanta hospital, Gurugram.

**Invited Lectures**

1. Secondary Deformities, AOCMF Introductory Seminar, 10<sup>th</sup> -11<sup>th</sup> Aug 2019, AIIMS, Jodhpur

### Membership/Post in Journal or Society or Association

1. International member; American Association of Plastic Surgeons.
2. Life member; Indian Professional Association for Trans-Gender Health.
3. Life member; Indian Society of Reconstructive Microsurgery

### National/ International Conferences attended:

1. Free Flap Workshop. Agra Plastic Surgeon Association, Agra, 25<sup>th</sup> -27<sup>th</sup> April 2019
2. Gujrat Plastic Surgeons Association Conference. Gujrat Plastic Surgeon Associations, Hotel Radisson Blue, Ahmedabad, 13<sup>th</sup> -14<sup>th</sup> July 2019
3. Nabi Mid Term CME 2019. Department of Burns and Plastic Surgery, AIIMS, Jodhpur, 3<sup>rd</sup> -4<sup>th</sup> Aug 2019
4. Techniques in Plastic Surgery. Department of Plastic Surgery, Medanta Hospital, Gurgaon. 7<sup>th</sup>-8<sup>th</sup> Sep 19
5. International Conference of Indian Professional Association for Trans-gender Health. Association of Trans-Gender Health in India Jamia Hamdard University, New Delhi, 1<sup>st</sup> -2<sup>nd</sup> Nov 2019.
6. Cadaveric Flap Dissection Course. Department of Burns and Plastic Surgery, AIIMS Jodhpur, 8<sup>th</sup> - 9<sup>th</sup> Nov 2019
7. CME and Workshop on Current Trends in Maxillofacial Surgery. Department of Plastic and Maxillofacial Surgery, VMMC Medical College, New Delhi, 10<sup>th</sup> -11<sup>th</sup> Jan 2020
8. ONCORECON. Rajasthan Association of Plastic Surgeons, Jaipur, 1<sup>st</sup> -2<sup>nd</sup> Feb 2020.

### Workshops/ Conferences Organized

1. Department organized **mid-term CME of National Academy of Burns India** at AIIMS Jodhpur on 3<sup>rd</sup> and 4<sup>th</sup> August 2019. Eminent faculties from across the country attended the CME. More than 120 delegates participated in this event. This CME had a two-day program which constituted special lectures for General Physicians, Nursing officials, Physiotherapists and paramedical staff besides an academic feast for Plastic and General surgeons in the area of burn prevention and first aid management. Lectures on topics related to burn awareness, clinical management and monitoring, special burn management burn rehabilitation and recent advances in the treatment of burns by renowned faculties were greatly appreciated by the participants. The unique feature of this CME was a special session on demonstration of various types of burn dressings.



Inauguration of Mid-term CME by Director, AIIMS Jodhpur with current, past and elect presidents of National Academy of Burns, India



Hands-on session on burns dressing for delegates

## 2. Cadaveric flap dissection course

In continuing attempt to spread knowledge, department has also organized cadaveric flap dissection course which had hands on course as well as observer only course. This workshop was organized with the Department of Anatomy. It attracted more than 30 participants across the country. Eminent teachers in Plastic surgery from various institutes of national importance taught and demonstrated fine technical tips of various flap elevations. Feedbacks from participants were very positive.



Invited faculties, participants and organizers





Demonstration of flap elevation on cadaver

### 3. Public awareness

Department was involved in organizing public awareness campaign to create awareness about Plastic surgery among the masses. On the occasion of National Plastic surgery day (15<sup>th</sup> July), department formed three teams to approach more people. One team went into industrial establishments and educated the people about Plastic surgery, industrial burns and trauma. Another team with the help of department of PSM, went to CHC Dhundhara and created awareness about Plastic surgery among the gathered people. General public was already informed about the event through announcements and pamphlets. Also, patients coming in institute were also educated about the services in Plastic surgery.



Public awareness session for workers in an Industrial Factory

## Department of Cardiology

S.No.	Name	Designation
1	Dr Surender Deora	Associate Professor
2.	Dr Atul Kaushik	Assistant Professor
3.	Dr. Rahul Choudhary	Assistant Professor (Trauma and Emergency)

### About the Department :

**Clinical:** The Department of Cardiology is running OPD and IPD services regularly on Tuesday, Wednesday and Friday where ~150 patients are consulted. The Noninvasive cardiac services like ECG, Echocardiography, TMT, Holter monitoring, ABPM is present in the department OPD complex. The Department also has procured point of care machine for evaluation of Troponin and NT-Pro BNP which is very important in diagnosis of various cardiac diseases. The Department is also running specialty clinic like Pediatric Cardiology clinic and Heart failure clinic on Thursday. The invasive cardiac procedures like Coronary angiography, angioplasty and structural heart interventions are performed twice a week on Monday and Thursday. All emergency cardiac procedures like primary angioplasty, temporary pacing, pericardiocentesis etc. are performed after initial clinical evaluation in Emergency Department.

**Academic:** The Department is also being involved in Academic activities with teaching of undergraduates and active participation in regular CGR and CPC being conducted in the Institute. The Department also running DM training program with one candidate pursuing the course. The department is also involved in teaching of students of School of Public Health and one candidate has pursued course of MPH.

**Research:** The Department is involved in research activities with publication of chapters in cardiology update and interesting case reports. Also, the research is undergoing in heart failure in collaboration with other Institutes.

**Administrative:** The department has ordered second Cath Lab for expansion and soon will be installed. Also, the order has been given for procurement of IVUS and OCT for Cath Lab which will help in better patient care and increase research capabilities.

### Compiled list of Publications of the department

#### Papers

##### Pubmed Indexed:

- Deora S, Sharma JB, Choudhary R, Kaushik A. Chest pain and exercise induced left bundle branch block - A clinical dilemma. J Family Med Prim Care. 2019 Oct 31;8(10):3434-3436. (PMID: 31742186).
- Deora S, Sharma AK, Garg P. Idiopathic dilatation of the right atrium: a rare cause of right heart failure. Asian Cardiovasc Thorac Ann. 2019;27(8):713-714. (PMID: 31200602).
- Choudhary R, Deora S. Single coronary artery with super-dominant left circumflex artery –a very rare coronary anomaly. Heart Views. 2019;20(2):70-71. (PMID: 31462963)
- Kaushik A, Kapoor A, Agarwal S, Pandey S, Tewari P, Majumdar G, et al. Statin reload before off-pump coronary artery bypass graft: Effect on biomarker release kinetics. Ann Card Anaesth 2020; 23:27-33. (PMID: 31929243).

##### Non-Pubmed Indexed:

- A Kaushik, A Kapoor, P Dabadghao, R Khanna, S Kumar, N Garg, S Tewari, P Goel. Use of strain, strain rate, tissue velocity imaging and endothelial function for early detection of cardiovascular involvement in young diabetics, European Heart Journal, 40 (1); October 2019, ehz748.0260. <https://doi.org/10.1093/eurheartj/ehz748.0260>

**Name of Faculty: Surender Deora**  
**Designation: Associate Professor**

**Books/Chapters**

1. Deora S, Goswami KC. Angiotensin Receptor Neprilysin Inhibitor for all with Heart Failure with Reduced Ejection Fraction. Cardiology Update 2019, Mrinal Kanti Das (Editor), Evangel Publications, New Delhi 2019; 650-57.
2. Goswami KC, Deora S. Inotropes or Inodilators in Heart Failure with Reduced Ejection Fraction: What to Use, On Whom, When and How? Cardiology Update 2019, Cardiological Society of India, Evangel Publications, New Delhi 2019; 677-86.

**Papers Presented:**

1. TCT 1321- Bifurcation PCI in acute coronary syndrome – a challenge for interventionalist. TCT 2019; 25<sup>th</sup> – 29<sup>th</sup> Sep 2019, San Francisco, CA, USA

**Sessions Chaired:**

1. Management of resistant hypertension. 30th Annual Conference of Physicians of India (Rajasthan Chapter), RAJAPICON 2019; 11<sup>th</sup> -12<sup>th</sup> October 2019, Jaisalmer.

**Invited Lectures:**

1. Hypertension guidelines- reading between the lines. Best of Cardiology by Cardiological Society of India, Vidharbha Chapter; 8<sup>th</sup> – 9<sup>th</sup> June 2019, Nagpur, Maharashtra.
2. Paradigm Shift of Heart Failure. Knowledge Forum, Jodhpur; 7<sup>th</sup> – 8<sup>th</sup> Sept 2019, Hotel Marriott, Jodhpur.
3. Statin Intolerance/ Failure- How to Approach? Heart and Rhythm Society, The 2nd Cardiac Summit-2019; 16<sup>th</sup> – 17<sup>th</sup> Nov 2019, Udaipur, Rajasthan.

**Symposium Speaker**

1. Role of Primordial Prevention in Life Style Diseases. District Education workshop, Government of Rajasthan; 20<sup>th</sup> Jan 2020, Jodhpur, Rajasthan

**Research Project:****Ongoing:****As Co-Investigator**

1. Clinical presentation, Management & Outcomes of Heart Failure Patients in India-The Indian Heart Failure (HF) Registry Study-The Acute Heart Failure Registry in India – CURE-HF Study

**Completed:****As Co-Investigator:**

1. Awareness, Medication adherence and Diet pattern among hypertensive patients attending teaching institution in Western Rajasthan, India

**Examinership**

1. DM Cardiology, MDM Hospital, Dr SN Medical College, 21<sup>st</sup> -22<sup>nd</sup> Dec 2019

**Membership/Post in Journal or Society or Association**

1. Assistant editor; Indian Heart Journal

**National/ International Conferences attended:**

1. TCT 2019, San Francisco, CA, USA, 25<sup>th</sup> – 29<sup>th</sup> Sep 2019

**Name of Faculty: Dr. Atul Kaushik**

**Designation: Assistant Professor**

#### **Papers Presented:**

1. Kaushik A, Kapoor A, Dabadghao P et al. Use of strain, strain rate, tissue velocity imaging and endothelial function for early detection of cardiovascular involvement in young diabetics, ESC- Annual Congress-2019, 1st September 2019, Paris.
2. Kaushik A, Kapoor A, Agarwal S, et al. Cardioprotective effect of statins on patients undergoing valvular heart surgery. Annual Conference of Cardiological Society of India, CSI, 7<sup>th</sup> December 2019, Delhi.
3. Kaushik A, Kapoor A, Agarwal S, et al. Germany "Can high-dose statin therapy given before off-pump CABG "recapture" cardioprotection in patients already on chronic statin therapy: Assessment by serial cardiac biomarker assay." SCAI (Society for Cardiovascular Angiography and Interventions) A V Gandhi Award for excellence in Cardiology, November 16<sup>th</sup> -17<sup>th</sup>, 2019, Delhi.

#### **Sessions Chaired:**

1. Complex coronary interventions. National Intervention Council, Cardiology Society of India, CSI-NIC Cardiology Conference; 5<sup>th</sup> -7<sup>th</sup> April 2019, Lucknow.

#### **Invited Lectures**

1. Pacemaker and ECG – What should a Physician know?, AIIMS Jodhpur Cardiology Update, 18<sup>th</sup> -19<sup>th</sup> Jan 2020, AIIMS Jodhpur.

#### **Resource Faculty:**

1. Echocardiography workshop. AIIMS Jodhpur Cardiology Update; 18<sup>th</sup> -19<sup>th</sup> Jan 2020, AIIMS Jodhpur.

#### **Scientific Awards/Patents**

1. Best oral abstract award. 71<sup>st</sup> Annual Conference of Cardiological Society of India, CSI; 7<sup>th</sup> December 2019, Delhi.
2. AV Gandhi-SCAI Award for excellence in Cardiology among top 50 across India. AV Gandhi-SCAI; 16<sup>th</sup>-17<sup>th</sup> November 2019, Delhi.

#### **Membership/Post in Journal or Society or Association**

1. ESC Professional Member; European Society of Cardiology (ESC).

#### **National/ International Conferences attended:**

1. CSI-NIC Cardiology Conference, National Intervention Council, Cardiology Society of India, Lucknow, 5<sup>th</sup> -7<sup>th</sup> April 2019.
2. 7<sup>th</sup> Live Indo Japanese Summit on Chronic Total occlusion - IJCTO 2019, IJCTO club, SGPGIMS, Lucknow, 31<sup>st</sup> May-2<sup>nd</sup> June 2019.
3. ESC- Annual Congress-2019, European Society of Cardiology, Paris, France, 31<sup>st</sup> August- 4<sup>th</sup> Sept 2019
4. Structural heart and Vein workshop, CVT India, Delhi, 17<sup>th</sup> -18<sup>th</sup> August 2019
5. 71<sup>st</sup> Annual Conference of Cardiological Society of India, CSICON, Delhi, 5<sup>th</sup> -8<sup>th</sup> December, 2019,
6. 2<sup>nd</sup> CHIP-CTO India conference, CHIP-CTO, Delhi, 10<sup>th</sup>-12<sup>th</sup> January 2019

#### **Workshops/ Conferences Organized**

1. AIIMS Jodhpur Cardiology Update (AJCU 2020). Department of Cardiology, Auditorium; 17<sup>th</sup> -18<sup>th</sup> January 2020.

#### **Eminent Visitors:**

1. Dr Nitish Naik, Professor of Cardiology, AIIMS New Delhi

**Any other information**

1. The Department of Cardiology had organized a conference AJCU – 2020 on 17<sup>th</sup> – 18<sup>th</sup> January 2020. It was attended by ~ 250 physicians and residents. The day one morning session had eight didactic lectures of recent updates in cardiology. The lectures were taken by eminent personalities from India like Dr Sandeep Seth, Professor of Cardiology, AIIMS New Delhi and Dr Hari Krishnan, Professor of Cardiology, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Trivandrum etc. The afternoon session was of ECG symposium in which post graduate students of medicine, anesthesia and interns had participated. Evening a quiz of interesting ECG was conducted and the prizes were distributed by Prof Mahendra Garg, Scientific Chairman of AJCU – 2020. Next day Echocardiography workshop was organized in E – Classroom with eight stations. All stations had echocardiography machine and hand on training was given to 30 participants. Four lectures were also taken and the faculty was from premier institutes like AIIMS Rishikesh, AIIMS Raipur etc. The conference was successfully completed in the afternoon of 18<sup>th</sup> January 2020.



Inauguration ceremony of AIIMS Jodhpur Cardiology Update (AJCU 2020)



Echocardiography workshop in progress

## Department of Cardio-Thoracic & Vascular Surgery

S.No.	Name	Designation
1	Dr. Alok Kumar Sharma	Associate Professor
2	Dr. Surendra Patel	Assistant Professor (Trauma and Emergency)

### About the Department

Cardio-Thoracic & Vascular Surgery is an area of surgery that specialized to work for Vascular, Thoracic, and Cardiac malformations or acquired diseases. Along with the exponential growth of AIIMS, Jodhpur, the Department of Cardio-Thoracic & Vascular Surgery has also come up in a distinguished manner in areas of teaching, research, and the patient care. The Department of Cardio-Thoracic & Vascular Surgery at AIIMS, Jodhpur is presently involved in the diagnosis and management of Cardiac, Thoracic, and vascular cases. Cardiac cases include Valvular heart disease, Coronary artery disease, Adult congenital heart disease, and cardiac tumors. Vascular cases include surgery of the Aorta and Peripheral arterial disease. We are Performing emergency vascular surgery in acute limb ischemia due to Trauma and, or due to embolus. Thoracic surgery includes diseases of Lung, Pleural and Mediastinal structures, and tumors of the Lung, Mediastinum, and Chest wall. Presently the department is involved in outpatient and inpatient services to cardiac, thoracic, and vascular patients.

We have catered OPD services to a total of 1801 patients, including 740 new patients in the year 2019-2020. IPD admission were 112 patients. We have operated a total of 112 patients, including 52 open heart surgery cases, 37 vascular surgical cases, 03 thoracic surgical cases, and 14 others cases in 2019-2020. The Department of Cardio-Thoracic & Vascular Surgery has allotted a total of three IPD beds, two for the male patients, and one for female patients. We are conducting OPD services three days a week and Elective Surgery two days a week. We perform one major surgery on our Operation theatre (OT) day and emergency surgery on an emergency basis in emergency OT. The Department also provides assistance to other departments in operation when any assistance is required for vascular injury/reconstruction or in thoracic surgery. The Department is conducting a Vascular clinic every Thursday, in association with the Department of Diagnostic and Interventional Radiology. CTVS- Radiology meet is also conducted every week on Wednesday, in association with the Department of Diagnostic and Interventional Radiology to discuss imaging of all the cases. We have procured, the state of art 4D ECHO machine which is now being used for OPD and IPD patients specially in heart valve repair surgeries.

Department of CTVS also started taking baby steps towards research by undertaking Intramural project as Principle investigator for the project "A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion" and as co-investigator for the project "Evaluation of Electrocardiographic Parameters and Serum Biomarkers in patients with Hypertrophic Cardiomyopathy" along with department of Cardiology.

The department has always been at the forefront in undergraduate teaching and is regularly conducting lectures, PBL, UNCLE class, and active participation in regular CGR and CPC being conducted in the Institute. The PG students are also being posted in clinics of the department on a rotational basis. Also knowing the responsibility towards the society, the Department has conducted a successful public lecture on Valvular Heart disease on 27<sup>th</sup> February 2020.

### List of Publications of the department:

#### Non-PubMed Indexed:

1. Sahu RK, Sharma AK, Patel S, Kala P, Goyal A, Patro SK. Sternal mass with respiratory compromise in a 10-year-old child. J Bone Soft Tissue Tumors. 2019 May-Aug; 5(2):2-3.

**Name of Faculty: Dr. Alok Kumar Sharma****Designation: Associate Professor****Papers Presented:**

1. Sharma AK, Patel S, Khera PS, Garg P, Puranik A. Initial experience of management of Peripheral Vascular disease in Tertiary care center in Western Rajasthan. 26<sup>th</sup> Annual Conference of Vascular Society of India; 17<sup>th</sup>-20<sup>th</sup> October 2019, Hyderabad, India.

**Sessions Chaired:**

1. Blood Conservation in Cardiac Surgery. Introducing PBM- 'Transition from Product to Patient Centric Approach', Department of Transfusion Medicine and Blood Bank; 29<sup>th</sup> -30<sup>th</sup> November 2019, AIIMS, Jodhpur
2. Pulmonary Endarterectomy. 23<sup>rd</sup> National Conference of the Indian Association of Cardiovascular and Thoracic Anaesthesiologists, 2020; 7<sup>th</sup> - 8<sup>th</sup> February 2020 (IACTACON2020), Hotel Holiday Inn Cavelossum, Goa

**Resource Faculty:**

1. 1<sup>st</sup> AIIMS Jodhpur- Neuroradiology (AJ-NR) Update, 16<sup>th</sup> -17<sup>th</sup> November 2019, AIIMS, Jodhpur
2. Blood Conservation in Cardiac Surgery. Introducing PBM- 'Transition from Product to Patient Centric Approach', Department of Transfusion Medicine and Blood Bank; 29<sup>th</sup> -30<sup>th</sup> November 2019, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

1. A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion. Intramural project.

**As Co-Investigator**

1. Evaluation of Electrocardiographic Parameters and Serum Biomarkers in patients with Hypertrophic Cardiomyopathy. Intramural Project

**National/ International Conferences attended:**

1. 23<sup>rd</sup> National Conference of the Indian Association of Cardiovascular and Thoracic Anaesthesiologists 2020 (IACTACON2020) , Hotel Holiday Inn Cavelossum, Goa, 7<sup>th</sup> - 8<sup>th</sup> February 2020
2. Workshop on Reconstruction of Aortic Valve using Autologous Pericardium (OZAKI Procedure), AIIMS, New Delhi, 29<sup>th</sup> February 2020
3. Conference with Government medical colleges for streamlining services under AB PM-JAY, Hotel Shangri-La, New Delhi, 4<sup>th</sup> March 2020
4. Introducing PBM- 'Transition from Product to Patient Centric Approach', Department of Transfusion Medicine and Blood Bank, AIIMS, Jodhpur, 29<sup>th</sup> -30<sup>th</sup> November 2019
5. AIIMS JODHPUR Cardiology Updated 2020, Department of Cardiology, AIIMS Jodhpur, 18<sup>th</sup> -19<sup>th</sup> January 2020.
6. Workshop on Structural Heart diseases "SENTIENT Summit, 2019", Chennai, 8<sup>th</sup> - 9<sup>th</sup> June 2019

**Eminent Visitors:**

1. Professor A. Sampath Kumar, Ex HOD and Chief CN Center, Department of CTVS, AIIMS, New Delhi
2. Professor SK Agrawal, Department of CTVS, SGPGI, Lucknow.
3. Professor Sachin Talwar, Department of CTVS, AIIMS, New Delhi.

## Department of Community Medicine & Family Medicine

S. No.	Name	Designation
1.	Prof. Pankaja Ravi Raghav	Head of the Department
2.	Dr. Pankaj Bhardwaj	Additional Professor
3.	Dr. Neeti Rustagi	Additional Professor
4.	Dr. Srikanth Srinivasan	Associate Professor
5.	Dr Manoj Kumar Gupta	Associate Professor
6.	Dr Naveen K.H	Assistant Professor
7.	Dr. Prem Prakash Sharma	Assistant Professor
8.	Dr Akhil Dhanesh Goel	Assistant Professor
9.	Dr Prasanna Thirunavukkarasu	Assistant Professor
10.	Dr. Suman Saurabh	Assistant Professor

### About the Department

**Patient Care :** The department is providing patient care services through the following four centres.:

Urban Health Training Centre, Pratapnagar, Centre for Rural Health AIIMS (CRHA) at Dhawa , Keru and Dhundhara.

During the year a total of 87137 patients were seen ( Dhawa 12183 Pratap Nagar 47913 Keru- 11211 Dhundhera 15830 ). The department provides outreach activities (Immunization, School Health and geriatric care ).

**Teaching and Training:** The postgraduate students are trained for clinical skills, teaching skills, leadership, conducting research and administrative skills through various PG activities. The training for clinical skills is provided to undergraduates at health centres under the supervision of faculty members. The department runs “Family Health Advisory Services (FHAS)” to study disease related factors and environment in the family and community. The department is involved in teaching full course in Biostatistics to Postgraduate students (MSc-Nursing ) in AIIMS Jodhpur and support for teaching whole course of Biostatistics to Postgraduate MD (Ayurved) students and UG students ( BAMS) in Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur.

The department was involved in three days workshop for training on SPSS Statistical Software to second year PG students in AIIMS Jodhpur for data analysis of their research study from 20<sup>th</sup> Aug to 22<sup>nd</sup> Aug 2019.

**Health Education:** The department emphasis the activities related to health education in the form of Lectures, street play, Quiz, etc for creating public awareness.

“World No Tobacco day” was celebrated on 30<sup>th</sup> May & 31<sup>st</sup> May 2019 in the centres by performing role play based on the 5As” and 5 R’s Model.

- “World Breast feeding week” was celebrated from 1<sup>st</sup> to 7<sup>th</sup> August 2019, health talks were conducted on importance of early initiation, exclusive breastfeeding , correct positioning, timely initiation of complementary feeding with the help of lectures , posters and videos.
- National Nutrition week was celebrated between 1<sup>st</sup> to 7<sup>th</sup> September 2019. Health talks were conducted based on the theme “Har Ghar Poshan Vyavahar” .
- On the occasion of “World Rabies Day” health talk was delivered on 28<sup>th</sup> September 2019 in a school at KERU, on prevention, immediate response for dog bite and related treatment at PHC and tertiary care hospital.
- Pledge ceremony on “ Beti Bachao – Beti Padhao” was conducted at CRHA Keru with PHC staff, Patients and School children on 24<sup>th</sup> January 2020.
- A health talk on information regarding Menstrual Health and Hygiene was conducted in the Government school, Keru on 11<sup>th</sup> Feb 2020.



- Training of centre health Care workers regarding preventive methods and care related to COVID19 was conducted on 20<sup>th</sup> March & 21<sup>st</sup> March 2020.

#### Screening Activities :

- Screening the opium addiction a De-addiction camp was organised on 26<sup>th</sup> June 2019 in collaboration with Psychiatry department, AIIMS Jodhpur.
- Outreach vaccination session was held on 13<sup>th</sup> July 2019 at Billon ki Dhani, Dhundhara to vaccinate the unvaccinated or partially vaccinated children.
- On 15<sup>th</sup> July 2019 Health education session and special OPD care was conducted at CHC Dhundhara in collaboration with Plastic surgery department, AIIMS Jodhpur.
- Mumps outbreak investigation at Indra awas Colony, Dhundhara was held on 23<sup>rd</sup> & 24<sup>th</sup> Jan 2020 and also on 6<sup>th</sup> March 2020 at Govt secondary school Loasni, Lunni Block, along with health education activities.

**Social Outreach Activities :** As part of social outreach activity health camp for migrant mine workers were organised on 16<sup>th</sup> and 17<sup>th</sup> October 2019 in Bhilwara district, Rajasthan.

**Research Activities:** The researchers in the institute are supported for deciding appropriate Sample Size, Sampling methodology and Statistical Analysis for their research studies. The department is involved in various research projects in the field of public health. (more than 500)

#### Compiled list of Publications of the department :

##### Pubmed Indexed:

1. Mehta B, Bhandari B, Singhal A, Mavai M, Dutt N, Raghav P. Screening asymptomatic school children for early asthma by determining airway narrowing through peak expiratory flow rate measurement. *J EduHlth Promotion*. 2020; 9: 72.
2. Arora NK, Swaminathan S, Mohapatra A, Gopalan HS, Katoch VM, Bhan MK, Rasaily R, Shekhar C, Thavaraj V, Roy M, Das MK, Wazny K, Kumar R, Khera A, Bhatla N, Jain V, Laxmaiah A, Nair MKC, Paul VK, Ramachandran P, Ramji S, Vaidya U, Verma C, Shah D, Bahl R, Qazi S, Rudan I, Black RE; ICMR INCLIN Research Priority Setting Network; National Steering Group; Research Sub-Committee; Pankaja Raghav as a part of Nation-wide Network. Research priorities in Maternal, Newborn, & Child Health & Nutrition for India: An Indian Council of Medical Research-INCLIN Initiative. *Indian J Med Res*. 2017 May;145(5):611-622.
3. Muralidhar V, Raghav P, Das P, Goel A. A case from India of pleural malignant mesothelioma probably due to domestic and environmental asbestos exposure: a posthumous report. *BMJ Case Reports* CP 2019;12:e227882
4. Mishra K, Siddharth V, Bhardwaj P, Elhence A, Jalan D, Raghav P, Mahmood SE. The prevalence pattern of locomotor disability and its impact on mobility, self-care, and interpersonal skills in rural areas of Jodhpur District. *Niger Med J* 2019;60:156-60
5. Gupta MK, Vohra C, Raghav P. Assessment of knowledge, attitudes, and practices about antibiotic resistance among medical students in India. *J Family Med Prim Care* 2019;8(9):2864-69
6. Patel M, Bhardwaj P, Nebhinani N, Goel AD, Patel K. Prevalence of psychiatric disorders among older adults in Jodhpur and stakeholders perspective on responsive health system. *J Family Med Prim Care*. 2020;9:714-20.
7. Goswami D, Singh K, Bhardwaj P, Panda S, Goel A, Joshi N, Khichar S, Puri I. Economic Burden of Acute Stroke Care in Beneficiaries and Non-Beneficiaries under Social Security Schemes at Tertiary Care Hospitals of Western Rajasthan. *Annals of Indian Academy of Neurology*.
8. Kapur S, Gehani M, Kammili N, Bhardwaj P, Nag V, Devara SM, Sharad S. Clinical Validation of Innovative Optical-Sensor-Based, Low-Cost, Rapid Diagnostic Test to Reduce Antimicrobial Resistance. *J Clin Med*. 2019 Dec 1;8(12):2098.
9. Lahariya C, Bhardwaj P. Adult vaccination in India: status and the way forward. *Human Vaccines & Immunotherapeutics*.
10. Jain YK, Joshi NK, Bhardwaj P, Suthar P. Health-promoting school in India: Approaches and challenges. *J Family Med Prim Care* 2019;8:3114-9.

11. Charan J, Tank N, Reljic T, Singh S, Bhardwaj P, Kaur R, Goyal JP, Kumar A. Prevalence of multidrug resistance tuberculosis in adult patients in India: A systematic review and meta-analysis. *J Family Med Prim Care*. 2019 Oct 31;8(10):3191-3201.
12. Giribabu D, Bhardwaj P, Sitiraju R, Burra M, Rao PP, Reddy CS. Combating Open Defecation through Community-led Sanitation. <https://doi.org/10.2991/dsahmj.k.190626.001>.
13. Gehani M, Kapur S, Bhardwaj P, Nag V, Balasubramaniam SM, Kammili N, et al. Unmet need of antenatal screening for asymptomatic bacteriuria: A risk factor for adverse outcomes of pregnancy. *Indian J Community Med* 2019;4193-8.
14. Naveen KH, Goel AD, Dwivedi S, Hassan MA. Adding life to years: Role of gender & social and family engagement in geriatric depression in rural areas of Northern India. *J Family Med Prim Care* 2020;9:721-8.
15. Chaudhry K, Bali R, Patnana AK, Bindra S, Jain G, Sharma PP. Impact of Oral Submucous Fibrosis on Quality of Life: A cross-sectional Study. *J. Maxillofac. Oral Surg* 2019; 18 (2): 260–265.
16. Sharma A, Goel AD, Sharma PP, Vyas V, Agrawal SP. The Effect of Transversus Abdominis Plane Block for Analgesia in Patients Undergoing Liver Transplantation: A Systematic Review and Meta-Analysis. *Turk J Anaesthesiol Reanim*. 2019; 47(5):, 359-366
17. Anthwal D, Lavania S, Gupta RK, Verma A, Myneedu VP, Sharma PP, et al. Development and evaluation of novel bio-safe filter paper-based kits for sputum microscopy and transport to directly detect *Mycobacterium tuberculosis* and associated drug resistance. *PLoS ONE*. August 2019; 14(8): 1-21.
18. Agrawal S, Goel AD, Gupta N. Emerging prophylaxis strategies against COVID-19. *Monaldi Arch Chest Dis*. 2020 Mar 30;90(1).
19. Sureka B, Rai B, Varshney V, Nag VL, Garg MK, Garg PK, Yadav T, Khera PS, Goel AD. Quantitative diffusion-weighted magnetic resonance imaging for prediction of early infection in pancreatic collections: Results of a pilot study. *Saudi J Gastroenterol*. 2020 Jan-Feb;26(1):20-25.
20. Goel AD, Gosain M, Amarchand R, Sharma H, Rai S, Kapoor SK, Krishnan A. Effectiveness of a Quality Improvement Program Using Difference-in-Difference Analysis for Home Based Newborn Care - Results of a Community Intervention Trial. *Indian J Pediatr*. 2019 Nov;86(11):1028-1035.
21. Sureka B, Elhence P, Khera PS, Choudhary GR, Pandey H, Garg PK, Yadav K, Goel AD. Quantitative contrast-enhanced perfusion kinetics in multiparametric MRI in differentiating prostate cancer from chronic prostatitis: results from a pilot study. *Br J Radiol*. 2019 Aug;92(1100):20190181.
22. Goel AD, Chowgule RV. Outbreak investigation of lead neurotoxicity in children from artificial jewelry cottage industry. *Environ Health Prev Med*. 2019 May 10;24(1):30.
23. Saurabh S, Mahabir M. Adverse ocular events on miltefosine treatment for post-kala-azar dermal leishmaniasis in India. *Trop Doct*. 2020;50: 37-42.
24. Kumar A, Saurabh S, Jamil S et al. Intensely clustered outbreak of visceral leishmaniasis (kala-azar) in a setting of seasonal migration in a village of Bihar, India. *BMC Infect Dis*. 2020; 20: 10.

#### Non-Pubmed Indexed:

1. Prabha C, Srivastava RK, Gupta MK. Skill up; gradation of anganwadi workers pertaining to growth chart plotting and interpretation in rural areas of Varanasi district, India. *Int J Res Med Sci*. 2019;7(12):4635-4640.
2. Koppala RB, Gupta MK. Perception of international patients regarding cross border movement for medical services in India. *Journal of Hospital Administration* 2019;8(3):23-29.
3. Nanjundaswamy BL, Surendran KAK, Sathish S, Setty NKH, Chandrakumar L. Changing trends in sexually transmitted diseases during a seven year period- A retrospective study in STD clinic of a tertiary care hospital. *IP Indian J Clin Exp Dermatol* 2020;6(1):35-40.
4. Pavithra, GV, Chhabra D, Rajamani R, Sharma PP, Kochupillai V. Effect of agnihotra and tryambakam homa ash on growth of tomato plants: A novel approach for organic farming.. *Asian J. Bio. Sci., Copyright@ 2019: Hind Agri-Horticultural Society, Asian J Bio Sci*. 2019; 14(1/2):1-4.

**Name of Faculty: Prof. (Mrs) Pankaja Raghav**  
**Designation: Professor and Head**

**Books/Chapters**

1. Pankaja Raghav, Manoj Gupta, Occupational Health. In :IAPSM's Textbook of Community Medicine. AM Kadri, Rashmi Kundapur, Amir Maroof Khan, Rakesh Kakkar (editors), 1st edition, New Delhi, Jaypee Brothers Medical Publishers 2019; 773-808.

**Papers Presented:**

1. Pankaja Raghav, Akhil Goel, Garima Singh , Abhishek Jaiswal, Saranya R ,Pritish Bhaskaran, Muralidhar V. To study the burden of pneumoconiosis and other health problems amongst workers of dust producing occupations in Rajasthan. 47th Annual National IAPSM Conference 2020; 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
2. Pankaja Raghav, Manoj Kumar Gupta, Neeti Rustogi, Mehul Patel, Bijit Biswas, Yachana Choudhary, Nitesh Kumar, Dileepan S, Shazia Shafi, Vaishali Gautam, Abhishek Jaiswal Appraisal of Mine Workers Regarding Prevention of Silicosis in Jodhpur District of Rajasthan. 70th National Conference of IAOH - OCCUCON 2020 and 68th Annual Conference of IAOH Mumbai Branch; 28<sup>th</sup> Jan-1<sup>st</sup> Feb 2020 ,Nehru Centre, Worli, Mumbai, Maharashtra, INDIA.
3. Pankaja Raghav, Manoj K Gupta, Neeti Rustagi, Nitesh C. Mishra, Suneela Garg. Trend analysis of Maternal deaths in Rajasthan. 64th IPHACON 2020; 29<sup>th</sup> Feb -2<sup>nd</sup> March 2020, AIIMS, New Delhi.

**List of papers, as the co-author:**

1. Dhupar D, Raghav P, Rathee D, Bhagat D. Appraisal of Evidence for need of Oral Health policy in India: A textual Synthesis Review. 13<sup>th</sup> IAPHD National PG Convention; 17<sup>th</sup> June 2019, MAIDS, New Delhi
2. Dhupar D, Raghav P, Prasanna T, Rathee D, Bhagat D. Households' costs due to hospitalization among stone cutting mine workers who died of silicosis and silico tuberculosis, Jodhpur, Rajasthan India. First south East Asia Regional Group meeting of the International Epidemiological Association and annual academic sessions of the college of Community Physicians of Srilanka 2019; 19<sup>th</sup> - 20<sup>th</sup> September 2019, Cinnamon Grand Hotel, Colombo, Srilanka.
3. Diksha, Bhagat D, Dhupar D, Gupta MK, Raghav P. Appraisal of Trends of Quality of Health care Delivery in India: A textual synthesis Review. First South East Asia Regional Group meeting of the International Epidemiological Association and annual academic sessions of the college of Community Physicians of Srilanka 2019; 19<sup>th</sup> - 20<sup>th</sup> September, 2019, Cinnamon Grand Hotel, Colombo, Srilanka
4. Jaiswal A, Raghav P, Rustagi N, Gupta MK, Naveen K H, Goel A, Prasanna T, Pundhir A, Patel M, Choudhary Y, Kumar N, Dileepan S, Shafi S, Gautam V, Biswas B. Prevalence of Anemia in population aged 15 years and above in Jodhpur, Rajasthan. First South East Asia Regional Group meeting of the International Epidemiological Association and annual academic sessions of the college of Community Physicians of Srilanka 2019; 19<sup>th</sup> – 20<sup>th</sup> September, 2019, Cinnamon Grand Hotel, Colombo, Srilanka
5. Mittal A, Rustagi N, Prasanna T, Raghav P. Determinants of behavior in school going adolescents towards healthy and unhealthy food options in urban Jodhpur: Theory of Planned Behavior based study. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
6. Rehana VR, Prasanna T, Raghav P. Effectiveness of Health Education in improving Foot-care Knowledge and Practices among People with Diabetes: A Systematic Review. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
7. Baskaran P, Raghav P, Naveen KH. Interventions to Improve Nutritional Status and Physical Functioning in Frail Elderly - A Systematic Review. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
8. Gautam V, Gupta MK, Raghav P, Rustagi N, Naveen KH, Goel AD et al. Opportunistic screening for diabetes mellitus and hypertension: Facility based study. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.

9. Gupta MK, Raghav P, Gautam V, Choudhary Y, Ladha N. A snapshot of factual bitterness of elderly in rural India: it's time to act. Presented for Kalu Ram Memorial award, 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
10. Dhupar D, Raghav P, Prasanna T, Rathee D, Bhagat D. Hospitalizations driven households' Costs among Stone Cutting Mine Workers with Silicosis and Silico-Tuberculosis in Jodhpur. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
11. Gupta MK, Raghav Pankaja, Gautam V, Bhardwaj P, Rustagi N, KH Naveen. Steering the predictors to improve the knowledge and utilization of partograph by skilled birth attendants (SBAs): An intervention study. 64th IPHACON 2020, 29<sup>th</sup> Feb-2<sup>nd</sup> Mar 2020, AIIMS, New Delhi
12. Singh G, Goel AD, Gupta MK, Raghav Pankaja. Factors associated with Adherence to Iron and Folic Acid Supplementation among Antenatal Mothers in Rural Jodhpur. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
13. Rajavel S, Raghav Pankaja, Gupta MK. Silico – Tuberculosis, Silicosis and other Respiratory Morbidities among Sandstone Mine Workers in Rajasthan- A Cross – Sectional Study. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
14. Tanvir T, Gupta MK, Goel AD, Raghav Pankaja. Assessment of Knowledge, Perception and Practices of Adolescent Girls Regarding Reproductive Health in Rural Jodhpur. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
15. Akhil Dhanesh Goel, Shubham Manchanda, Abhishek Jaiswal, Vaishali Gautam, Jitendra Aneja, Pankaja Raghav. Internet addiction and Social anxiety among University students, India. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
16. Rajasekhar T, Naveen KH, Raghav Pankaja, Aneja J, Sharma PP, Goel AD, Gupta MK. Prevalence of internet addiction and its association with sleep quality, depression, anxiety & stress among college students in Jodhpur. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
17. Singh G, Jaiswal A, Goel AD, Raghav Pankaja. Opium usage and risk of head and neck cancer: A systematic review and Meta-analysis. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.

#### **Sessions Chaired:**

1. Health System Research. 47th National IAPSM Conference, 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach Resort in Mahabalipuram, Chennai.
2. Occupational health and mental health. 64th IPHACON 2020, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.
3. Competency-based curriculum. 7<sup>th</sup> National Conference on Pediatric Education (NCPE), 3<sup>rd</sup> Nov 2019, Department of Pediatrics, AIIMS Jodhpur

#### **Resource Faculty:**

1. Workshop on Early Detection of silicosis and its management for workers and supervisors exposed to silica sand held on 5<sup>th</sup> - 7<sup>th</sup> October 2020, Mines Labour Protection Campaign, Mount Abu

#### **Symposium Speaker:**

1. Janani Suraksha Yojana, Conditional cash transfer programme to improve maternal health in India, as public health evidence. First South East Asia Regional Group meeting of the International Epidemiological Association and annual academic sessions of the college of Community Physicians of Srilanka 2019; 19<sup>th</sup> - 20<sup>th</sup> September, 2019, Cinnamon Grand Hotel, Colombo, Srilanka
2. Participation of Community Medicine departments in health policies & programmes. First National Symposium on Education and Practice in Community Medicine; 11<sup>th</sup> – 12<sup>th</sup> November 2019, AIIMS Bhubaneswar.
3. National symposium on Multilateral initiatives against arboviral diseases (NSAD 2020). Sukhadiya University; 4<sup>th</sup> -5<sup>th</sup> January 2020, Udaipur.

**Resource Faculty:**

1. UPSC Adviser, Personality Test (pt) Board for Combined Medical Services Examination 2019; 18<sup>th</sup> - 22<sup>nd</sup> November 2019, UPSC , New Delhi.
2. Expert member, Panel Discussion, comprehensive policy on Silicosis on 3<sup>rd</sup> October 2019, Department of *Social Justice & Empowerment and Medical Health & Family Welfare* Rajasthan, Jaipur
3. Expert member, WHO SEAR workshop on Health Promotion for hearing care in school for south East Asia Region; 8<sup>th</sup>- 9<sup>th</sup> November 2019, MAMC, New Delhi.
4. National Level Training of Master Trainers for Anaemia Mukh Bharat (AMB)<sup>®</sup>; 10<sup>th</sup> – 11<sup>th</sup> October 2019, Board Room, Centre for Dental Education & Research (CDER), AIIMS, New Delhi.
5. Expert member, Project Orientation Meeting; 8<sup>th</sup> -10<sup>th</sup> January 2020, AIIMS, New Delhi
6. Resource faculty, National Quiz for post graduate students of Public Health. 64th IPHACON 2020; 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.

**Research Projects:****Ongoing:****As Principal Investigator**

1. Systems approach for assessment of Maternal deaths in Rajasthan: a feasibility study". ICMR- Extramural.
2. Impact of implementation of the healthy workforce model (Integration of Occupational Health Services in Primary Health Care) to improve preventive measures of Silicosis among workers exposed to silica sand in mines of rural Jodhpur. Intramural funding by AIIMS Jodhpur. Intramural

**Co-Investigator:**

1. Symptoms of depression in adolescents with asthma: a reason for non-adherence? Intramural funding by AIIMS Jodhpur
2. Review of Injury Surveillance System in Jodhpur, Rajasthan.
3. A structured modular intervention for enabling general practitioners and allied health professionals in providing pre-hospital injury care in Jodhpur. Intramural funding by AIIMS Jodhpur
4. Utilization of outpatient services in rural and urban health centers. Intramural funding by AIIMS Jodhpur
5. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines. Intramural funding by AIIMS Jodhpur
6. Evaluating and strengthening pre- hospital trauma care systems for mitigating burden of road traffic accidents in Jodhpur, Rajasthan. Funded by ICMR

**Completed:****As Principal Investigator**

1. Survey for Monitoring the National Non Communicable Diseases Target 2017-2018. Funded by Govt. of India.
2. Risk factors for Chronic Obstructive Pulmonary Disease (COPD) among women not exposed to tobacco smoke: a case control study. Intramural funding by AIIMS Jodhpur

**Examiner ship**

1. MD examination AFMC Pune, 6<sup>th</sup> -7<sup>th</sup> November 2019
2. MD examination, S N Medical College, Jodhpur, 23<sup>rd</sup> October 2019
3. MBBS Examination AIIMS Patna, 18<sup>th</sup> -22<sup>nd</sup> December 2019 , Raipur
4. MBBS Examination AIIMS Patna, 5<sup>th</sup> -7<sup>th</sup> March

**Membership/Post in Journal or Society or Association**

1. Chairperson; Fact finding committee constituted to work on the issues related to Indian Public Health Association election for 2019-2021 held in January 2019.
2. Editorial Board member and Reviewer; Indian Journal of Community & Family Medicine

3. Editorial Board member and Reviewer; Indian journal of Public Health
4. Editorial Board member and Reviewer; International Journal of Biomedical Materials Research, SciencePG.
5. Editorial Board member and Reviewer; Indian Journal of Microbiology Research
6. Editorial Board member and Reviewer; Indian Journal of Community Medicine
7. Editorial Board member and Reviewer; Asian Research Journal of Gynaecology and Obstetrics
8. Editorial Board member and Reviewer; Medical Journal of Dr. D.Y. Patil Vidyapeeth
9. Editorial Board member and Reviewer; Journal of Contemporary Medical Education
10. Editorial Board member and Reviewer; International Journal of Occupational and Environmental Safety

#### **National/ International Conferences attended:**

1. First South East Asia Regional Group meeting of the International Epidemiological Association and annual academic sessions of the college of Community Physicians of Srilanka 2019, Cinnamon Grand Hotel, Colombo, Srilanka, 19<sup>th</sup> - 20<sup>th</sup> September, 2019,
2. National Level Training of Master Trainers for Anaemia Mukh Bharat (AMB). Board Room, Centre for Dental Education & Research (CDER), AIIMS, New Delhi, 10<sup>th</sup> – 11<sup>th</sup> October 2019.
3. 47th National IAPSM Conference, Ideal Beach Resort in Mahabalipuram, Chennai, 29<sup>th</sup> - 30<sup>th</sup> Jan 2020
4. 70th National Conference of IAOH - OCCUCON 2020 and 68th Annual Conference of IAOH Mumbai Branch, Nehru Centre, Worli, Mumbai, Maharashtra, 28<sup>th</sup> Jan-1<sup>st</sup> Feb 2020
5. 64<sup>th</sup> Annual National Conference of Indian Public Health Association, IPHACON 2020, AIIMS New Delhi, 28<sup>th</sup> Feb - 2<sup>nd</sup> March 2020

**Name of Faculty: Dr. Pankaj Bhardwaj**

**Designation: Additional Professor**

#### **Sessions Chaired:**

1. 64<sup>th</sup> Annual National Conference of IPHA; 29<sup>th</sup> Feb – 02<sup>nd</sup> March 2020, AIIMS, New Delhi.
2. 47<sup>th</sup> Annual National Conference of IAPSM; 28<sup>th</sup> -30<sup>th</sup> January 2020, Ideal Beach resort, Mahabalipuram, Tamilnadu.

#### **Invited Lectures:**

1. Disposal of toxic products & environmental safety. National Symposium on Poisoning as a Public Health Problem, SYMP-NPIC 2019; 26<sup>th</sup> April 2019, AIIMS New Delhi.
2. Role of Institutes of National Importance like AIIMS in Urban Planning. National Urban Development Summit; 27<sup>th</sup> September 2019, Taj Harimahal, Jodhpur.
3. Developing Certificate Courses in Community Medicine Specialities. First National Symposium on education and Practice in Community Medicine; 11<sup>th</sup> -12<sup>th</sup> November 2019, AIIMS, Bhubaneswar.
4. Santulit Aahar aivam Jeean Shailley me badlav. 9<sup>th</sup> National Official Language Conference; 16<sup>th</sup> -18<sup>th</sup> January 2020, AIIMS, Jodhpur.
5. Sensitization on COVID-19. ICAR-CAZRI; 28<sup>th</sup> February 2020, Jodhpur

#### **Resource Faculty:**

1. Trainer for COVID19 for Medical Professionals, under Chief Medical Health Officer (CMHO), Jodhpur; 14<sup>th</sup> March 2020, Dr SN Medical College Jodhpur
2. Expert in a series of FGDs to be conducted under DHR Project; 10<sup>th</sup> May 2019, GMCH, Chandigarh (UT)
3. Nodal Person for "Training Workshop for mapping Podoconiosis"; 9<sup>th</sup> - 11<sup>th</sup> Dec, 2019, AIMS, Kochi.
4. Orientation-training workshop. PG certificate in Medical Management of CBRNE disasters programme; 25<sup>th</sup> -30<sup>th</sup> November 2019, New Delhi.

**Research Project:****Ongoing:****As Principal Investigator**

1. Epidemiological study on estimation of the soil transmitted helminthes infections among antenatal women in selected states of India- Multicentric study: Extramural- PHRI-SERB
2. Assessment of effectiveness of e-upakaran (Online Inventory Control) system in improving service outcome in State Health, Rajasthan. Extramural-National Health Mission

**As Co-Investigator**

1. Prevalence of Fluorosis in the community of selected districts of India and development of an appropriate intervention model for prevention and control of fluorosis-ICMR Task Force: Extramural.
2. Expansion of antimicrobial Stewardship (AMSP) and Infection Control (ICP) of ICMR in Secondary Care Hospitals: Extramural

**Examinership:**

1. MBBS, AIIMS Rishikesh, 15<sup>th</sup> -16<sup>th</sup> April 2019
2. MBBS 3<sup>rd</sup> Professional Final Examination, AIIMS Raipur, 19<sup>th</sup> -21<sup>st</sup> December 2019
3. MBBS Final Professional, King George Medical University UP, Lucknow, 3<sup>rd</sup> -7<sup>th</sup> March 2020
4. Era's Lucknow Medical College & Hospital, Lucknow, 17<sup>th</sup> – 18<sup>th</sup> March 2020.

**National/ International Conferences attended:**

1. National Consultative meet on Strengthening Biostatistics Teaching, AIIMS Rishikesh, 14<sup>th</sup> – 15<sup>th</sup> October 2019
2. 64<sup>th</sup> Annual National Conference of IPHA, AIIMS Delhi, 29<sup>th</sup> February- 2<sup>nd</sup> March 2020

**Any Other:**

1. Member of Committee for assessing IAPSM – Ford Foundation Grant during 47<sup>th</sup> Annual National of IAPSM, on 28<sup>th</sup> – 30<sup>th</sup> January 2020 at Ideal Beach resort in Mahabalipuram, Tamilnadu.
2. Nominated for ZTF (West Zone) meeting on 9<sup>th</sup> -10<sup>th</sup> January 2020 at S P Medical College Bikaner, Rajasthan.
3. Meeting with High Level Delegation to India from Sweden on 3<sup>rd</sup> December 2019 at Mumtaz Room, Taj Diplomatic Enclave, New Delhi.
4. Peer Assessment of Kayakalp at NIMHANS from 21<sup>st</sup> -23<sup>rd</sup> November 2019 at Bangalore.
5. Member of Coordination Committee for Hospital Preparedness for COVID-19.
6. Nominated as an Assistant Nodal Officer for Jodhpur city by District Administration and JDU for COVID19 patients tracking.
7. Member of Organizing team of 21<sup>st</sup> Maharashtra State Conference of IAPSM IPHA Maharashtra Branch, and IAPSM young leaders National Conference from 5<sup>th</sup> - 7<sup>th</sup> March 2020, at DMIMS, Sawangi, Wardha, Maharashtra
8. Member of Organizing Committee of 64<sup>th</sup> Annual National Conference of IPHA, on February 29<sup>th</sup> – 2<sup>nd</sup> March 2020 at AIIMS Delhi

**Name of the faculty :Dr. Neeti Rustagi**

**Designation : Additional Professor**

**Papers Presented:**

1. Rustagi N , Dutt N , Rhoda MS , Sinha A, Raghav P. Poster presentation on “ Factors Influencing Post-Crash care to an accident victim by Medical Graduates in Jodhpur, Rajasthan: A Qualitative study”. IPHACON 2020; 29th February – 2<sup>nd</sup> March 2020, AIIMS, New Delhi.

2. Rustagi N, Jaiswal A, Raghav P. Poster presentation on “ Predictors determining intention of young adults to act as good samaritans toward road accident victims in Jodhpur, Rajasthan”. 47th National Conference of IAPSM; 28<sup>th</sup> Jan - 30<sup>th</sup> Jan 2020.
3. Dileepan S, Rustagi N, Mittal A, Gautam V. Application of theory of planned behaviour to understand tobacco related behaviours among adolescent: a systematic review. in 47th National Conference of IAPSM 2020; 28<sup>th</sup> -30<sup>th</sup> January 2020, Mahabalipuram, Chennai
4. Rustagi N, Goyal P. Presented paper on “Sleep quality among health professionals in a public health care establishment in Occupational Health 2019”; 17<sup>th</sup> – 19<sup>th</sup> June 2019
5. Bristol, United Kingdom

#### **Sessions Chaired:**

1. Scientific session. IAPSMCON 2020; 28<sup>th</sup> – 30<sup>th</sup> January 2020, Ideal Beach Resort, Mahabalipuram, Tamilnadu

#### **Invited Lectures : :**

1. For “ Qualitative research methodology”. Research methodology workshop; 28<sup>th</sup> April 2019, Vyas Dental college, Jodhpur
2. Resource person on “ Reporting formats for trachoma elimination” at Trachoma Elimination Workshop for Medical Officers; 16<sup>th</sup> May 2019, AIIMS Jodhpur

#### **Symposium Speaker : :**

1. Guest Speaker in “Workshop on Introductory course on Research Methodology and Biostatistics”; 28<sup>th</sup> – 29<sup>th</sup> November 2019, Pt. BD Sharma PGIMS, Rohtak, Haryana

#### **Resource Faculty: :**

1. Resource faculty, 11th ATLS Provider Course; 19<sup>th</sup> - 21<sup>st</sup> December 2019, MGUMST, Jaipur
2. Resource faculty in National Quiz for post graduate students of Public Health, IPHACON 2020, AIIMS New Delhi
3. Faculty for ATLS Provider course at Dr RML Hospital; 19<sup>th</sup> – 21<sup>st</sup> September 2019, New Delhi.
4. Public health expert at University of Limerick , 21<sup>st</sup> -29<sup>th</sup> June 2019, Ireland

#### **Research Projects:**

##### **Ongoing:**

##### **As Principal Investigator :**

1. Evaluating and strengthening Pre-Hospital trauma care system for mitigating burden of road traffic accidents in Jodhpur, Rajasthan”

##### **As Co-Investigator:**

1. “Impact of Implementation of Healthy workforce model (Integration of Occupational Health services in Primary Health Care) to improve preventive measures of Silicosis among workers exposed to silica sand in mines of Rural Jodhpur.”
2. “Systems approach for assessment of Maternal Deaths in Rajasthan : A feasibility study”

##### **Completed:**

##### **As Co-Investigator**

1. “Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centers of department of Community Medicine & Family Medicine, AIIMS Jodhpur”

##### **Examinerships:**

1. External Examiner for Practicals to Gujarat University ,Ahmedabad, 23<sup>rd</sup> -25<sup>th</sup> December 2019



**Membership/ Post in Journal or Society or Association**

1. Member; Fact finding committee constituted to work on the issues related to Indian Public Health Association election for 2019-2021 held in January 2019.

**National/ International Conferences attended:**

1. Guided Poster presentation on “ Determinants of behavior in school going adolescents towards healthy and unhealthy food options in urban Jodhpur: Theory of Planned Behavior based study”, 47th National Conference of IAPSM
2. Regional YIM 2019, IIT Jodhpur, 31<sup>st</sup> October - 2<sup>nd</sup> November 2019
3. BLS and ACLS Instructor monitoring at AIIMS-SET facility for ACLS Instructor course - 5<sup>th</sup> – 7<sup>th</sup> Aug 2019

**Eminent Visitors:**

1. Coordinated Paramedic Studies India exchange Programme for a team of 3 students along with tutor from Graduate Entry Medical School, University of Limerick, Ireland in April 2019

**Name of the faculty : Dr. Srikant Srinivasan**  
**Designation : Associate Professor**

**Invited Lectures :**

1. Public Awareness Lecture and Panel Discussion on "A Step towards Leprosy Free India"; 27 Jan 2020, AIIMS Jodhpur.

**Resource Faculty :**

1. Indian Association of Palliative Care Course on Palliative Care; 01<sup>st</sup> Dec 2019, AIIMS, Jodhpur

**Research Project :****Principal Investigator**

1. Integrated Community Based Palliative Home Care of Chronic Debilitated Patients-a Novice Approach in Jodhpur” ICMR Project Code No. {2020-4424}, Approved by Technical Committee, ICMR, March 2020

**Examinership:**

1. 3rd Professional MBBS examinations, AIIMS, Jodhpur, December 2019
2. 3rd Professional MBBS Supplementary examinations, AIIMS, Jodhpur, February 2020

**Name of Faculty: Dr Manoj Kumar Gupta**  
**Designation: Associate Professor**

**Papers Presented:**

1. Gautam V, Gupta MK, Raghav P, Rustagi N, KH Naveen, Goel AD, T Prasanna. Opportunistic screening for diabetes mellitus and hypertension: Facility based study. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Mahabalipuram, Chennai
2. Gupta MK, Raghav P, Gautam V, Choudhary Y, Ladha N. A snapshot of factual bitterness of elderly in rural India: it's time to act. 47th Annual National IAPSM Conference 2020, 28<sup>th</sup> -30<sup>th</sup> January 2020, Mahabalipuram, Chennai (Presented for Kalu Ram Memorial award)
3. Gupta MK, Raghav P, Gautam V, Bhardwaj P, Rustagi N, KH Naveen. Steering the predictors to improve the knowledge and utilization of partograph by skilled birth attendants (SBAs): An intervention study. 64th Annual National IPHA Conference, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS Delhi.

4. Raghav P, Gupta MK, Rustagi N, Mishra NC, Garg S. Trend analysis of Maternal deaths in Rajasthan. 64th Annual National IPHA Conference, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS Delhi.
5. Singh G, Goel AD, Gupta MK, Raghav P. Factors associated with Adherence to Iron and Folic Acid Supplementation among Antenatal Mothers in Rural Jodhpur. 64th Annual National IPHA Conference, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS Delhi.
6. Saranya R, Raghav P, Gupta MK. Silico-Tuberculosis, Silicosis and Other Respiratory Morbidities among Sandstone Mine Workers in Rajasthan- A Cross-Sectional Study. 64th Annual National IPHA Conference, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020, AIIMS Delhi.
7. Tanveer T, Gupta MK, Raghav P, Goel AD. 406: Assessment of Knowledge, Perception and Practices of Adolescent Girls Regarding Reproductive Health in Rural Jodhpur. 64th Annual National IPHA Conference, 29<sup>th</sup> Feb - 2<sup>nd</sup> March 2020, AIIMS Delhi.

### **Symposium Speaker**

1. Symposium on “Public Health Nutrition” to observe Poshan Maaha. by School of Public Health; 30<sup>th</sup> September 2019, AIIMS Jodhpur

### **Resource Faculty:**

1. Panelist in Panel discussion on “National Blood and Plasma Policy”. Academy event on Patient Blood Management, organized by Department of Transfusion Medicine and Blood Bank, AIIMS Jodhpur in collaboration with ISBT (International Society of Blood Transfusion) and Indian Council of Medical Research (ICMR), GOI; 29<sup>th</sup> – 30<sup>th</sup> November 2019, AIIMS Jodhpur.

### **Research Projects:**

#### **Ongoing:**

#### **As Principal Investigator**

1. Assessment of Psychosocial Status and Quality of Life of Adolescent Girls in Rural Area of Jodhpur

#### **As Co-Investigator**

1. Systems Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study
2. Impact of implementation of the healthy workforce model (Integration of Occupational Health Services in Primary Health Care) to improve preventive measures of Silicosis among workers exposed to silica sand in unorganized sectors of rural Jodhpur
3. Capacity Building of Medical Officers for Occupational History taking in Rajasthan
4. To study the utilization of Outpatient services in Rural and Urban health centers covered by Department of Community Medicine and Family Medicine, AIIMS, Jodhpur
5. Assessment of Occupational Health Risk and Safety Related Practices of Industry Workers in Jodhpur

#### **Completed:**

#### **As Principal Investigator**

1. Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centres of department of Community Medicine & Family Medicine, AIIMS Jodhpur
2. Assessment of geriatric health status in a rural field practice area of AIIMS Jodhpur

#### **As Co-Investigator**

1. Socio-demographic profile of mine workers' in organized and unorganized sectors of Jodhpur

#### **National/ International Conferences attended:**

1. 47<sup>th</sup> Annual National IAPSM Conference 2020, Mahabalipuram, Chennai, 28<sup>th</sup> -30<sup>th</sup> January 2020,
2. 64<sup>th</sup> Annual National IPHA Conference 2020, AIIMS Delhi, 29<sup>th</sup> Feb – 2<sup>nd</sup> March 2020

**Name of Faculty: Dr. Naveen K.H**

**Designation: Assistant Professor**

**Papers Presented:**

1. Rajasekhar T, Naveen K H, Pankaja Raghav, Jitendra Aneja, Sharma P P, Akhil Dhanesh Goel, Manoj Kumar Gupta. Prevalence of internet addiction and its association with sleep quality, depression, anxiety & stress among college students in Jodhpur. 64<sup>th</sup> Annual National conference of IPHA; 29<sup>th</sup> February - 2<sup>nd</sup> March 2020, AIIMS, New Delhi
2. Prithish Baskaran T B, Akhil Dhanesh Goel, Pankaja Raghav, Naveen K H. Interventions to improve nutritional status and physical functioning in frail elderly- A systematic review. E poster. 47<sup>th</sup> Annual National conference of IAPSM organized by ICM-MMC; 28<sup>th</sup> - 30<sup>th</sup> January 2020, Mahabalipuram Tamilnadu

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur. ICMR, Collaborating Institute- CSIR-Indian Institute of Toxicology Research, Lucknow
2. To Study the utilization of out patient's services in rural and urban health centres covered by department of community Medicine and Family Medicine, AIIMS, Jodhpur. AIIMS, Jodhpur
3. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines. AIIMS, Jodhpur

**Completed:**

**As Co-Investigator**

1. Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centers of department of Community Medicine and Family Medicine, AIIMS Jodhpur (Non-funded)

**Membership/Post in Journal or Society or Association**

1. Life Member; Academy of Family Physicians of India (AFPI), New Delhi, India

**Any other information:**

1. Member of Yoga and Meditation Committee and conducting meditation classes every week in Meditation room of AYUSH building
2. Attended the 3<sup>rd</sup> contact program of Post graduate diploma in family medicine (PGDFM) at Bangalore Baptist Hospital from 4<sup>th</sup> - 15<sup>th</sup> June 2019.
3. Completed and received Post graduate diploma in family medicine (PGDFM- CMC Vellore) in Nov, 2019.

**Name of Faculty: Dr. Prem Prakash Sharma**

**Designation: Assistant Professor**

**Resource Faculty :**

1. Resource faculty for Workshop on the use of SPSS statistical software for 2<sup>nd</sup> year post graduate students of AIIMS Jodhpur Conducted by Dean Academics ; 20<sup>th</sup> - 22<sup>nd</sup> Aug 2019, AIIMS Jodhpur.
2. Resource faculty for " Protocol Design and Introduction to Evidence Based Medicine for PGs and PhD Students ", conducted by Research Section AIIMS jodhpur; 23<sup>rd</sup> - 24<sup>th</sup> Sept 2019, AIIMS Jodhpur

3. Resource faculty for teaching full course on Biostatistics to Post graduate and Undergraduate students. Dr Sarvepalli Radhakrishnan Rajasthan Ayurved University; year 2019-20, Kadwad, Jodhpur
4. Resource faculty for “Workshop on Research Methodology and Thesis Writing”. 7<sup>th</sup> National Conference on Pediatric Education (NCPE) organized by Deptt. Of Pediatrics, AIIMS Jodhpur; 3<sup>rd</sup> Nov 2019, AIIMS Jodhpur

**Research Project:****Ongoing:****As Principal Investigator :**

1. To study the utilization of outpatient’s services In rural and urban health centers covered by the department of community Medicine and Family Medicine, AIIMS Jodhpur“. Intramural Project funded by AIIMS Jodhpur.

**As Co-Investigator**

1. Empowering Scheduled Tribes (STs) through Meditation. Fun, study funded by Department of Science and Technology, Sri Sri Institute of Advanced Research , Bangalore .
2. “Flipping to empower adolescents for sexual and reproductive health” funded by Grand Challenges Canada
3. Predictive value of progression of various stages of depression to suicide by Epigenetic modification of FKBP 5 gene. funded by Department of Health Research ,New Delhi.

**National/ International Conferences attended:**

1. Attended 7<sup>th</sup> National Conference on Pediatric Education (NCPE). Deptt. of Pediatrics ,AIIMS Jodhpur, 1<sup>st</sup> - 3<sup>rd</sup> Nov 2019

**Any Other:**

1. Attended the “ Research Advisory committee for Multi Disciplinary Research Unit (MRU) on 21<sup>st</sup> Dec 2019 at Dr. SN Medical College ,Jodhpur.

**Name of Faculty: Dr. Akhil Dhanesh Goel**

**Designation: Assistant Professor**

**Books/Chapters**

1. Kaur R, Goel AD. Child Health. In: Kadri A, Kundapur R, Khan AM, Kakkar R, Sheth A, Mangrola N, editors. IAPSM’ Textbook of Community Medicine. 1st ed. Jaypee Brothers Medical Publishers; 2019. p. 736–56.
2. Bhardwaj P, Goel AD. General Epidemiology of Infectious Diseases and its Prevention and Control. In: Kadri A, Kundapur R, Khan AM, Kakkar R, Sheth A, Mangrola N, editors. IAPSM’s Textbook of Community Medicine. 1st ed. Jaypee Brothers Medical Publishers; 2019. p. 253–6.

**Papers Presented:**

1. Akhil Dhanesh Goel, Pankaj Bhardwaj, Girish Chandra Dash, Archana Kumawat, Kavita Choudhary, Nitin Kumar Joshi. A Systematic Review and Metaanalysis to Assess Depression In Antenatal Women. Poster presented at National Conference of Indian Association of Preventive and Social Medicine. 28<sup>th</sup> -30<sup>th</sup> January 2020, Mahabalipuram, India.

2. Akhil Dhanesh Goel, Shubham Manchanda, Abhishek Jaiswal, Vaishali Gautam, Jitendra Aneja, Pankaja Ravi Raghav. Internet addiction and Social anxiety among University students, India. Poster presented at 64th Annual National Conference of Indian Public Health Association. 29<sup>th</sup> February – 2<sup>nd</sup> March 2020, New Delhi, India
3. Akhil Dhanesh Goel. Teaching counseling skills for tobacco cessation to undergraduate medical students: review of evidence. Paper presented at First National Symposium on Education and Practice in Community Medicine. 11<sup>th</sup>- 12<sup>th</sup> November, 2019, Bhubaneshwar, India

**Intramural Project Principal Investigator:**

1. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines.

**Resource Faculty:**

1. Resource Faculty for “Formulation of Questionnaire, Validity and Reliability” during the workshop of “ Protocol Design and Introduction to Evidence Based Medicine for PG” organized by Research Section AIIMS jodhpur from 23<sup>rd</sup> -24<sup>th</sup> Sept 2019.

**National/ International Conferences attended:**

1. 64th Annual National Conference of Indian Public Health Association. 29<sup>th</sup> February – 2<sup>nd</sup> March 2020, New Delhi, India
2. 82nd National Course on Educational Science for Teachers of Health Professionals, JIPMER Puducherry from 10<sup>th</sup> – 15<sup>th</sup> February 2020
3. National Conference of Indian Association of Preventive and Social Medicine. 28<sup>th</sup> -30<sup>th</sup> January 2020, Mahabalipuram, India.
4. First National Symposium on Education and Practice in Community Medicine. 11<sup>th</sup>- 12<sup>th</sup> November 2019, Bhubaneshwar, India
5. Advanced Data Analysis Techniques in Qualitative Research using Atlas.ti organized by Indian Institute of Public Health- Delhi from 19<sup>th</sup> -23<sup>rd</sup> August 2019

**Name of Faculty: Dr Prasanna T.**

**Designation: Assistant Professor**

**Resource Faculty:**

1. Trainer for the Training Program for Nurses of Govt. of Puducherry PHCs on IYCF (integrated 4-in-1 Course on Breastfeeding, Complimentary Feeding, Growth Monitoring and Feeding & HIV) Counselling Course; June 2019, Rajiv Gandhi Government Women and Child Hospital, Puducherry.

**Name of Faculty: Dr Suman Saurabh**

**Designation: Assistant Professor**

**Conference attended**

1. IPHACON 2020. 29<sup>th</sup> February-2<sup>nd</sup> March 2020, AIIMS, New Delhi.

**Workshops/ Conferences Organized**

1. Coordinated workshop on Systemic Reviews and Meta-Analysis. School of Public Health & Research Section, AIIMS Jodhpur, 18<sup>th</sup> -19<sup>th</sup> June 2019.
2. Coordinated Workshop on Rabies Free Jodhpur. School of Public Health, AIIMS Jodhpur, 29<sup>th</sup> September 2019.
3. Coordinated Symposium on Public Health Nutrition. Nutrition Society of India & School of Public Health, AIIMS Jodhpur, 30<sup>th</sup> September 2019
4. Coordinated Digital Health Training Programme. School of Public Health, AIIMS Jodhpur, 24<sup>th</sup> -26<sup>th</sup> November 2019.
5. Coordinated NCPE 2019: Competency based Medical Education. AIIMS Jodhpur, 04<sup>th</sup> -05<sup>th</sup> November 2019.
6. Coordinated Glance of World Bioethics Day 2019, AIIMS, Jodhpur, on 19<sup>th</sup> October 2019.
7. Coordinated Sensitization Programme on Adolescent Health. AIIMS Jodhpur, 27<sup>th</sup> June 2019
8. Coordinated Symposium on Triple burden of malnutrition in India: A research Update NFI-NAMS. Conference Hall, AIIMS, Jodhpur, 18<sup>th</sup> October 2019.
9. Coordinated National Tuberculosis Elimination Program (NTEP) & Programmatic Management of Drug-Resistant TB (PMDT): Updates, Challenges & Way forward. Smart E- Class Room, AIIMS, Jodhpur, 10<sup>th</sup> February 2020.
10. Workshop on the use of SPSS statistical software for 2<sup>nd</sup> year post graduate students of AIIMS Jodhpur. AIIMS Jodhpur, 20<sup>th</sup> - 22<sup>nd</sup> Aug 2019.

**Eminent Visitors:**

1. Prof Padam Singh, Former Additional Director General, Indian Council of Medical Research, New Delhi and Member National Statistical Commission was invited to the institute to deliver a guest lecture "Planning Sample Surveys in Health" on 10<sup>th</sup> Aug 2019.

**Any other information:**

Various activities were held by department on various occasions for social awareness

**1. Social Outreach activities on 16<sup>th</sup> & 17<sup>th</sup> Oct 2019**

Clinical consultation under community outreach services

**2. World Rabies day 28<sup>th</sup> September 2019**



Rabies awareness and prevention program at educational institute among school children

**3. Workshop on Use of SPSS software 20<sup>th</sup> to 22<sup>nd</sup> August 2019**

Insights provided by experts into the functioning of SPSS software

#### 4. Hand hygiene training



Creating awareness for Infection prevention and control in public by demonstrating hand-hygiene practices

#### 5. Breast Feeding Health Talk

Health care experts talking benefits and debunking myths on breast feeding



## Department of Dentistry

S.No.	Name	Designation
1	Dr. Pravin Kumar	Prof. & Head
2	Dr. Vinay Kumar Chugh	Additional Professor
3	Dr. Ankita Chugh	Additional Professor
4	Dr. Kirti Chaudhry Dutt	Associate Professor

### About the Department

Department of Dentistry has a running Master of Dental Surgery (MDS) program in the specialty of Orthodontics and Dentofacial Orthopaedics and Oral and Maxillofacial Surgery with a yearly intake of two students each year with six post graduate students each in both the specialties at present. Department had an addition of a faculty with joining of Dr. Pravin Kumar as the Head of Department in June 2019. With this the spectrum of clinical care in endodontics division was widened with introduction of Gold Inlays and use of Magnification and Illumination in regular practice. Post Graduate programme in Endodontics and Conservative Dentistry is likely to commence from July 2020. The department has ten state of the art fully automatic electrically operated dental chairs with all attachments. State of the art 3D surgical and orthodontic treatment planning software has been procured and is being used for orthognathic cases planning.

The Department has seen approximately 19383 new patients in the out-patient department from 1st April 2019 to 31st March 2020. Approximately 13860 Intraoral X- rays and OPG, 1895 Root Canal Treatment (RCTs), 5726 Restorations and Oral prophylaxis, 2974 Minor oral surgical procedures, 87 Dental Implants, 125 new orthodontic patients and 375 Major surgical procedures have been done in the above mentioned period. Our IPD procedures include major surgical procedures like trauma, OSMF, Oral cancers, TMJ ankylosis, benign pathologies like cyst, tumors and infections and orthognathic surgeries. Distraction Osteogenesis has also been added to the spectrum of surgeries.

### Compiled list of Publications of the Department

#### Pubmed Indexed:

- Chugh A, Srivastava I, Khatana S, Nalwa A, Bharti JN. Case series of adenomatoid odontogenic tumour of jaws with variations in presentation. *BMJ Case Rep.* 2020;13(1):e229358.
- Patnana AK, Chugh A. Endodontic management of curved canals with protaper next: A case series. *Contemp Clin Dent.* 2019;9(S1):168-72.
- Chugh A, Khatana S, Chugh V. Oral submucous fibrosis: Are we doing enough? *Nat J Maxillofac Surg* 2019;10(2):274-275.
- Patnana A, Chugh A, ChughV, Shekhar S. A simple and novel technique for fabrication of prosthetic vaginal dilators. *BMJ Case reports*
- Chugh VK, Singh S, Chugh A, Tandon P. Survival rate of two orthodontic bonded retainer wires. *Am J Orthod Dentofac Orthop.* 2019;155:4-5.
- Chaudhry K, Khatana S, Dutt N, Mittal Y, Sharma V, Elhence P. Systematic review of lesser known parasitoses: Maxillofacial Dirofilariasis. *J Maxillofac Oral Surg.* 2019;18(2):180-189.
- Chaudhry K, Bali R, Patnana AK, Chattopadhyay C, Sharma PP, Khatana S. Impact of oral submucous fibrosis on quality of life: A multifactorial assessment. *J Maxillofac Oral Surg.* 2019:1-6.
- Chaudhry K, Talwar M, Vanga RV, Patana AK. A Comparative evaluation of three different dental age estimation methods in India: A test of ethnic variability. *Int J Clin Pediatr Dent* 2020;13(1):16-20.
- Kaur A, Chaudhry K, Khatana S. Double lip with hexadactyly in all the four limbs: A case report. *J Maxillofac Oral Surg.* 2019. doi.org/10.1007/s12663-019-01283-0

10. Chaudhry K, Khatana S, Kaur A. et al. 2.5% EMLA Versus 2% lignocaine with adrenaline injection in small oral mucosal biopsies: A parallel group Randomized Controlled Trial. J Maxillofac Oral Surg 2020. <https://doi.org/10.1007/s12663-020-01363-6>

**Non-Pubmed Indexed:**

1. Patnana AK, Kanchan T, Vanga VNR, Chugh A, Chugh VK, Krishan K. Estimation of age based on dental developmental stages – Exploring the population-specific models. J Ind Acad Forensic Med 2019; 4(41):245-248.
2. Chugh A, Rastogi R, Choudhary A, Singh S, Chugh VK, Patnana AK. Knowledge, awareness and attitude about oral health and root canal treatment among doctors, nurses, MBBS and nursing students in tertiary care hospital. J. Glob Oral Health Res. 2019; 2(1):41-7.
3. Chugh VK, Chugh A, Patnana AK, Chaudhry A. Substitute materials in the restorative dentistry: A comprehensive update. Ind J Anat Surg Head Neck Brain. 2019;5(2):37-39.

**Name of Faculty: Pravin Kumar**  
**Designation: Professor and Head**

**Sessions Chaired:**

1. Chairperson Key note address at 27<sup>th</sup> India Endodontic Society National Conference; 20<sup>th</sup> -22<sup>nd</sup> December, 2019.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Kumar P, Chugh A, Patnana AK. A modified explanation for caries prevalence score in Cariogram for Indian population – A cross sectional study
2. Kumar P, Chugh A, Rathore K. Knowledge, attitude and practices of Parents towards importance of Primary teeth- A Questionnaire Survey in a tertiary care centre
3. Kumar P, Chugh A, Bhandhari R. Survey for awareness and willingness of Patients of different age groups (20-35 yrs, 36-50 yrs, >51yrs) for Implant Treatment of Missing Teeth visiting a tertiary care centre, AIIMS Jodhpur

**As Co-Investigator**

1. Clinical, ultrasonographic and electromyographic evaluation of prognostic factors in oral submucous fibrosis patients
2. Efficacy of topical 0.02% Mitomycin in Improving Healing in Oral Submucous Fibrous Bands and Reconstruction with Buccal Fat Pad-a Split Mouth Pilot Study. Submitted for approval

**Membership/Post in Journal or Society or Association :**

1. Reviewer; Indian Journal of Dental Sciences

**National/ International Conferences attended:**

1. 27<sup>th</sup> India Endodontic Society National Conference 20<sup>th</sup> – 22<sup>nd</sup> December, 2019.

**Name of Faculty: Vinay Kumar Chugh****Designation: Additional Professor****Papers Presented:**

1. Chugh VK. Temporary anchorage devices: An Aid to Complex Malocclusion, 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, 14<sup>th</sup>-16<sup>th</sup> Oct, 2019, Paradise Island Resort, Male, Maldives.
2. Chugh VK. Stress pattern caused by mini-implant in mandibular alveolar bone with different angulation and retraction forces- A 3-dimensional finite element study, Annual Session of American Association of Orthodontists, 3<sup>rd</sup>-7<sup>th</sup> May 2019, LA Convention Centre, Los Angeles, USA.

**Sessions Chaired:**

1. Chairperson Scientific Session, North Zone Orthodontic PG Convention 2019, 27<sup>th</sup>-29<sup>th</sup> Sept 2019, Jamia Millia Islamia University, New Delhi,
2. Chairperson Scientific Session, 19<sup>th</sup> INDOCLEFTCON, 7<sup>th</sup>-9<sup>th</sup> Feb, 2020, Hotel Eros, New Delhi.
3. Chairperson Scientific Session, 54<sup>th</sup> Indian Orthodontic Conference, 22<sup>nd</sup>-24<sup>th</sup> Nov 2019, SOA Convention Centre, Bhubaneswar.

**Invited Lectures**

1. Nasoalveolar Molding: The Current Perspective, 19<sup>th</sup> INDOCLEFTCON, 7<sup>th</sup>-9<sup>th</sup> Feb, 2020, Hotel Eros, New Delhi.
2. Temporary Anchorage Devices: An anchor in Orthodontic Practice, 54<sup>th</sup> Indian Orthodontic Conference 22<sup>nd</sup>-24<sup>th</sup> Nov 2019, SOA Convention Centre, Bhubaneswar.
3. Class III malocclusion: Accept the challenge, North Zone Orthodontic PG Convention 2019, 27<sup>th</sup>-29<sup>th</sup> Sept 2019, Jamia Millia Islamia University, New Delhi.

**Symposium Speaker**

1. How to make Best of the Post Graduate Years? A student-Teacher Perspective, Interactive Symposium, 1<sup>st</sup> -2<sup>nd</sup> Apr 2019, CDER, AIIMS, New Delhi.

**Resource Faculty:**

1. Career Opportunities in India and Abroad, North Zone Orthodontic PG Convention 2019, 27<sup>th</sup>-29<sup>th</sup> Sept 2019, Jamia Millia Islamia University, New Delhi
2. Pre-Convention Course: Problem Based Learning, 24<sup>th</sup> IOS PG Convention, 20<sup>th</sup>-23<sup>rd</sup> Feb 2020, Hyderabad International Convention Centre, Hyderabad.

**Research Project:****Ongoing:****As Principal Investigator**

1. Effectiveness of fixed and removable orthodontic appliances in anterior cross-bite correction during mixed dentition period - A Randomized Controlled Trial.
2. Evaluation of success of two orthodontic retainer wires on maxillary and mandibular arch retention over a 12-month period - A Randomized Controlled Trial.
3. Evaluation of manual and rotatory instrumentation for bio-mechanical preparation in permanent teeth- A Randomized Control Trial

**Completed:****As Principal Investigator**

1. ICMR Task Force Study entitled "Prevalence of fluorosis in the community of selected districts of India and development of an appropriate intervention model for prevention and control of fluorosis". Funding Agency ICMR, New Delhi, Multi centric (Six Centers)
2. Comparison of Cephalometric analysis using two imaging softwares: A retrospective study.
3. Relationship between sella turcica morphology and bridging with skeletal malocclusion and dentofacial anomalies: A retrospective study

**As Co-Investigator**

1. The efficacy of minocyclin mouth rinses on recurrent aphthous stomatitis – A Randomized Controlled Trial

**Scientific Awards/Patents**

1. Rising Star Award, 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, 14<sup>th</sup>-16<sup>th</sup> Oct, 2019.

**Membership/Post in Journal or Society or Association**

1. EC member; Craniofacial Research Foundation

**National/ International Conferences attended:**

1. 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, Craniofacial Research Foundation. Paradise Island Resort, Maldives, 14<sup>th</sup>-16<sup>th</sup> Oct, 2019.
2. Annual Session 2019, American Association of Orthodontists. LA Convention Centre, Los Angeles, USA, 3<sup>rd</sup>-7<sup>th</sup> May 2019.
3. North Zone Orthodontic PG Convention 2019. IOS, Jamia Millia Islamia University, New Delhi, 27<sup>th</sup>-29<sup>th</sup> Sept 2019.
4. 54<sup>th</sup> Indian Orthodontic Conference. Indian Orthodontic Society, SOA Convention Centre, Bhubaneswar, 22<sup>nd</sup>-24<sup>th</sup> Nov 2019.
5. 19<sup>th</sup> INDOCLEFTCON, ISCLP & CA. Hotel Eros, New Delhi, 7<sup>th</sup>-9<sup>th</sup> Feb 2020.

**Name of Faculty: Ankita Chugh**

**Designation: Additional Professor**

**Papers Presented:**

1. Chugh A. Course Objectives, History and Structure of AO and AOCMF group, AOCMF Introductory Course, AIIMS Jodhpur, 10<sup>th</sup>-11<sup>th</sup> Aug 2019.
2. Chugh A. Surgical approaches to the midface. AOCMF Introductory Course, AIIMS Jodhpur, 10<sup>th</sup> -11<sup>th</sup> Aug 2019.
3. Chugh A. "Oral Submucous Fibrosis-Our Experience of Distressing Disease with Malignant Potential". 24<sup>th</sup> International Conference on Oral and Maxillofacial Surgery, Rio de Janeiro, Brazil, 21<sup>st</sup>-24<sup>th</sup> May 2019.

**Sessions Chaired:**

1. AOCMF Seminar Chair at AOCMF Introductory course conducted at AIIMS Jodhpur, 10<sup>th</sup> -11<sup>th</sup> Aug 2019

**Invited Lectures**

1. Genioplasty: Simple yet Powerful Tool, 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, 14<sup>th</sup>-16<sup>th</sup> Oct, 2019.

**Resource Faculty:**

1. AOCMF Seminar Chair and Resource faculty at AOCMF Introductory course conducted at AIIMS Jodhpur, 10<sup>th</sup> Aug -11<sup>th</sup> Aug 2019

**Research Project:****Ongoing:****As Principal Investigator**

1. Clinical, ultrasonographic and electromyographic evaluation of prognostic factors in oral submucous fibrosis patients
2. Evaluation of awareness of local population of Western Rajasthan for Oral cancer
3. Evaluation of Temporomandibular disorder (TMD) in medical professionals and their correlation with psychoemotional stress. A region based study:
4. Evaluating the Endodontic success of three different intracanal medicaments – A randomized controlled trial
5. Evaluation of manual and rotatory instrumentation for bio-mechanical preparation in permanent teeth- A Randomized Control Trial
6. Efficacy of topical 0.02% Mitomycin in Improving Healing in Oral Submucous Fibrous Bands and Reconstruction with Buccal Fat Pad-a Split Mouth Pilot Study. Submitted for approval

**As Co-Investigator**

1. A modified explanation for caries prevalence score in Cariogram for Indian population – A cross sectional study.
2. Knowledge, attitude and practices of Parents towards importance of Primary teeth- A Questionnaire Survey in a tertiary care centre.
3. Survey for awareness and willingness of Patients of different age groups (20-35 yrs, 36-50 yrs, & gt;51yrs) for Implant Treatment of Missing Teeth visiting a tertiary care centre, AIIMS Jodhpur.

**Completed:****As Principal Investigator**

1. Correlation of miR 155 and miR101 expression with c-fos in patients of Oral submucous fibrosis and Oral squamous cell carcinoma. Intramural
2. The efficacy of minocyclin mouth rinses on recurrent aphthous stomatitis - A Randomized Controlled Trial
3. Oral Health and Root Canal Treatment among Doctors, Nurses, M.B.B.S and Nursing students in Tertiary Care Hospital
4. The clinical efficacy of EMLA as a topical anesthetic agent instead of palatal injection during maxillary dental extractions: Randomized Control Open label trial:
5. The prevalence of endodontic file fractures in root canal treated teeth - A seven year retrospective study
6. Role Of Instrumental Music In Stress Reduction During Surgical Removal Of Impacted Teeth: A Randomized Control Study

**As Co-Investigator**

1. Post-operative bleeding in patients on Aspirin therapy regimens: An observational study
2. Developing standards for age estimation based on third molar development.
3. Estimation of sex from dental arch dimensions. An Odontometric analysis.

**Scientific Awards/Patents**

1. Instructor Potential. ATLS Provider Course, AIIMS Jodhpur, 23<sup>rd</sup>-25<sup>th</sup> Jan 2020
2. Women Achiever Award, 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, 14<sup>th</sup>-16<sup>th</sup> Oct 2019.

**Membership/Post in Journal or Society or Association**

1. Section Editor; Orthognathic Surgery in Journal of oral Biology and Craniofacial research by Elsevier

**National/ International Conferences attended:**

1. Cadaver course. 2<sup>nd</sup> AIIMS Total TMJ Replacement Workshop- 2020. AIIMS Delhi, 16<sup>th</sup>-18<sup>th</sup> Feb 2020.
2. ATLS Provider course. Department of Surgery, AIIMS Jodhpur, 23<sup>rd</sup> -25<sup>th</sup> Jan 2020.
3. 3<sup>rd</sup> Annual Live Surgical & hands on Soft cadaveric Dissection Course on Rhinoplasty and Facial plastics. Department of ENT, AIIMS Jodhpur, 12<sup>th</sup>-13<sup>th</sup> Dec 2019.
4. Orbital gala Course. LVPEI, Hyderabad, 31<sup>st</sup> Oct- 2<sup>nd</sup> Nov 2019.
5. 5<sup>th</sup> International Craniofacial, Dental and Medical Summit, Craniofacial Research Foundation. Paradise Island Resort, Maldives, 14<sup>th</sup>-16<sup>th</sup> Oct, 2019.
6. 24th International Conference on Oral and Maxillofacial Surgery. Rio de Janeiro, Brazil, 21<sup>st</sup> – 24<sup>th</sup> May 2019.

**Name of Faculty: Dr. Kirti Chaudhry**

**Designation: Associate Professor**

**Papers Presented:**

1. Dutt KC. Clinical, Radiological, Histopathological And Immunohistochemical characteristics Of Intraosseous Solid Leiomyoma In Maxillofacial region: Report of a case and Systematic Review. 44th Annual conference of the Association of Oral and Maxillofacial Surgeons of India. AOMSI; 14<sup>th</sup> -16<sup>th</sup> Nov 2019, Bangalore.

**Sessions Chaired:**

1. CBCT relevance in OMFS, Implants and Digital Implantology. CBCT Relevance in treatment Planning: An Update; 7<sup>th</sup> March 2020, AIIMS, Jodhpur.

**Invited Lectures**

1. Frontal Sinus Fractures. AOCMF Introductory Seminar. 10<sup>th</sup>-11<sup>th</sup> Aug 2019, AIIMS Jodhpur

**Resource Faculty:**

1. AOCMF Introductory Seminar, 10<sup>th</sup> -11<sup>th</sup> Aug 2019, AIIMS Jodhpur
2. CBCT Relevance in treatment Planning : An Update, 7<sup>th</sup> March 2020, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. Evaluating the concentrations of heavy metals in Oral Sub mucous fibrosis and oral cancer patients using serum and saliva as diagnostic mediums. AIIMS Jodhpur
2. Comparison of knowledge of Post Extraction Instructions and Risk factors between Dry socket and healthy socket patients: A cross sectional study.
3. Pain control during pulpectomy in Irreversible Pulpitis: A randomized parallel double blinded study.

**Completed:****As Principal Investigator**

1. Topical EMLA versus lignocaine for pain free small biopsies: A randomized open label parallel arm study.
2. Six assisted improvement in reducing time to emergency root canal therapy in outpatient department of Dentistry.
3. Evaluating the reliability of dental age estimation methods in north west population of India.

**National/ International Conferences attended:**

1. BAOMS with AAOMS Annual Scientific Meeting. Birmingham 3<sup>rd</sup> - 5<sup>th</sup> July 2019.
2. Second London TMJ course. Guys Hospital, London, 30<sup>th</sup>-31<sup>st</sup> July 2019.
3. 44th Annual conference of the Association of Oral and Maxillofacial Surgeons of India. AOMSI, Bangalore, 14<sup>th</sup> -16<sup>th</sup> Nov 2019.

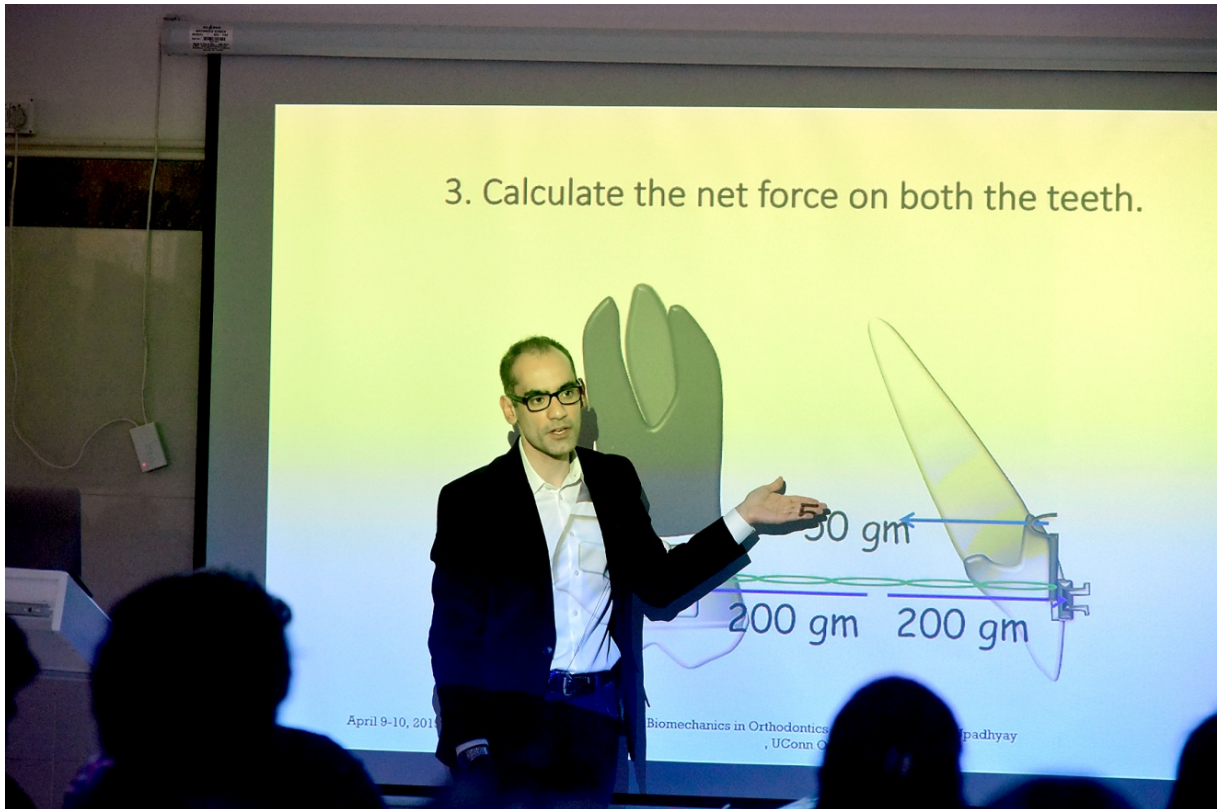
**Workshops/ Conferences Organized by the department of Dentistry**

**1. Two-day Course on Biomechanics in Orthodontics by Madhur Upadhyay, University of Connecticut Health Centre, USA. Dept of Dentistry and Rajasthan Orthodontic Study Group, AIIMS Jodhpur, 9<sup>th</sup>-10<sup>th</sup> April 2019.**

Department of Dentistry, AIIMS, Jodhpur in collaboration with Rajasthan Orthodontic Study Group and UConn Health Centre, USA organized a two-day Course on Biomechanics in Orthodontics on 9<sup>th</sup>-10<sup>th</sup> April 2019. Dr. Madhur Upadhyay, Associate Clinical Professor and Director of Orthodontic Care, University of Connecticut Health Centre, USA was the Chief Course Faculty. On the first day Fundamental of Biomechanics were covered which included types of tooth movement, concept of Centre of resistance and rotation, MF ratios, couple systems and equilibrium in orthodontics. On 2<sup>nd</sup> day Advanced Orthodontic Biomechanics was discussed which include bracket arch wire interactions, bracket geometries, sliding mechanics, loop mechanics etc. Clinical tips for mechanics of aligning teeth, space closure, canine impactions, deep/open bite correction were given with demonstration of cases. Interactive sessions with problem solving and group exercises were held on both days. In all, 70 delegates from various states attended the Course.



Enthusiastic participants with the organizing team



Scientific session in progress

2. Department of Dentistry conducted an AOCMF Introductory Seminar on Maxillofacial Trauma on 10-11<sup>th</sup> August 2019 in collaboration with AOCMF. AOCMF is a worldwide network of clinicians from the fields of oral and maxillofacial surgery, plastic surgery, ENT, head and neck surgery, ophthalmology and other allied specialties. It is the Craniomaxillofacial division of UK based AO Organisation. It was attended by fifty five students and delegates from Maxillofacial Surgery, Plastic Surgery and ENT speciality from across the country. Dr. Divya Mehrotra, Prof department of OMFS, KGMU, Lucknow was the Scientific Director and Dr. Ankita Chugh was the Seminar Chair. Esteemed faculty from various premiere institutes of North India presented the evidence based management guidelines for management of maxillofacial trauma.

### 3. Golden Jubilee Celebrations of Association Of Oral And Maxillofacial Surgeons Of India on 13<sup>th</sup> Sept 2019

Department of Dentistry AIIMS Jodhpur celebrated the AOMSI Golden Torch Event on 13<sup>th</sup> Sept 2019. The day started with Walkathon arranged at Ashok Udyan. Community in the park was sensitized on prevention of Oral Cancer by a street play and interactive session. Photo points for Road safety awareness emphasizing need of Helmets, Seat Belts and other preventive methods of road traffic accidents were created and people were sensitized for the same. One hour Awareness program about Oral and Maxillofacial Surgery was organized which was attended by all faculty of AIIMS Jodhpur. In the same program Official Torch receiving ceremony was held which was presided over by Dr. Sanjeev Misra, Director, AIIMS Jodhpur. Maxillofacial surgeons of the Jodhpur city attended this event as well. A tree plantation drive was followed in which 6 trees were planted as regards to the 6 Founder Members of AOMSI namely Dr Ginwala, Dr AP Chitre, Dr. Dhanasekhran, Dr SS Khera, Dr. CG Raju, Dr. K Ramchandran. Various diagnostic and awareness camps were organised in the factories in Basni Industrial area. 135 factory workers were examined and sensitized regarding harmful effects of tobacco and its related products.



Walkathon for public awareness on road safety, Ashok Udyan, AOMSI Golden Torch Event



Street play on oral cancer awareness, Ashok Udyan, AOMSI Golden Torch Event

#### 4. Annual Oral and Maxillofacial Surgery day celebrations on 13<sup>th</sup> Feb 2020

13<sup>th</sup> February is celebrated as the Oral & Maxillofacial Surgery (OMS) Day by the fraternity of Oral & Maxillofacial Surgeons world over. On this occasion, the Department of Dentistry at All India Institute of Medical Sciences, Jodhpur tried to contribute our bit in making our speciality a common parlance among the general populace. A small programme of pamphlet distribution and informative videos was conducted to spread awareness about our speciality and the treatments we provide in the OPD complex. Posters and standees were put up at various places in the OPD complex highlighting the entire scope of the speciality. Patient education/awareness program was conducted using audio visual presentation to provide a comprehensive understanding of our speciality. A dental screening and tobacco awareness intervention drive was conducted at the Community Centre at Kudi housing board where 94 patients were screened. The programme concluded with positive insights from the department faculty followed by cake cutting.



A free dental screening & tobacco awareness program at Community Centre, Kudi housing board

#### 5. CBCT Relevance in treatment planning: An Update. Department of Dentistry, AIIMS Jodhpur, 7<sup>th</sup> Mar 2020.

Department of Dentistry conducted a one day **CBCT: Relevance in treatment planning: An Update** organized by Dept. of Dentistry AIIMS Jodhpur, 7<sup>th</sup> March 2020 which was attended by 150 delegates from across different parts of India. The resource faculty Dr. Sharad Sahai and Dr. Prashant Nahar presented two interactive sessions on application of CBCT in multiple specialties of Dentistry.



Enthusiastic organizing faculty of the program



Scientific session in progress

**Eminent Visitors:**

1. Dr. Madhur Upadhyay, University of Connecticut Health Centre, Farmington, USA.
2. Dr. Pradeep Jain, President IOS & Former Principal Government Dental College, Jaipur
3. Dr. Anil Chandra, Prof and Head, Department of Conservative Dentistry & Endodontics, KGMC, Lucknow visited Department of Dentistry as Subject expert for Board of Studies for Post Graduate Curriculum in Conservative dentistry & Endodontics. He also enlightened the residents and faculty with the latest advances in patient care.
4. Dr. Divya Mehrotra, Prof, Department of Oral and Maxillofacial Surgery Faculty of Dental Sciences, KGMU, Lucknow visited the Department of Dentistry. On 8<sup>th</sup> & 9<sup>th</sup> August 2019 three cases with facial deformity were operated for Orthognathic Surgery and Distraction Osteogenesis. An academic brainstorming session with postgraduates on Concepts and Advances in Maxillofacial Surgery was a boon to them.
5. Dr. Sachin Rai, Additional Professor, Oral Health Sciences Centre, PGIMER, Chandigarh.
6. Dr. Ashi Chugh, Additional Professor, Department of Dentistry, AIIMS Rishikesh.
7. Dr. Krushna Bhatt, Associate Professor, Department of Dentistry, AIIMS Gorakhpur
8. Dr. Ashutosh Dixit, Associate Professor, Department of Dentistry, AIIMS Rishikesh. Visited for two days of live periodontal surgical demonstrations. Four patients were operated upon with excellent results.

## Department of Dermatology, Venereology and Leprology

S.No.	Name	Designation
1.	Dr Abhishek Bhardwaj	Additional Professor & Head
2.	Dr Saurabh Singh	Associate Professor
3.	Dr. Anil Budania	Assistant Professor
4.	Dr. Anupama Bains	Assistant Professor

### About The Department:

The department of Dermatology, Venereology and Leprology, strives to become a center for excellence in patient care, teaching and research of national stature.

Our OPD is one of the busiest in the hospital. Our focus is on providing care by practicing Evidence based Medicine. The IPD admissions too have gone up, adding substance to teaching and training.

The Department has presently 9 post graduates. The PG teaching programme is comprehensive with Seminars, Journal Club, SR classes, Dermatotomy and Dermatopathology sessions, besides bed-side teaching and Grand rounds.

The Postgraduates have earned multiple accolades for the institution. They won the regional Dermatology Quiz, won multiple awards in poster and paper presentation. They also secured travel grants for attending conferences. The Senior residents are also contributing by writing papers and one of them represented the department, at the World Congress of Dermatology, besides our faculty.

The undergraduate teaching program with lectures, clinical teaching, case-presentations and demonstrations, is thought stimulating. The department embraces innovation in medical teaching by taking part in UNCLE, Integrated teaching and Problem based learning sessions.

To uphold the spirit of Research, the department is currently conducting multiple research projects. These projects are both Extra and Intra- Mural and there are a slew of non-funded research Projects, taken up for addressing gaps in knowledge of our specialty.

### Compiled list of Publications of the department

#### Pubmed indexed:

- Kalita JM, Sharma A, Bhardwaj A, Nag VL. Dermatophytoses and spectrum of dermatophytes in patients attending a teaching hospital in Western Rajasthan, India. *J Family Med Prim Care* 2019;8:1418-21
- Rajan, Bandhala M, Bhardwaj A. Rule of thumb: A simple tool to estimate 1% scalp surface area: Whose thumb is it anyway? *Journal of the American Academy of Dermatology*.2019;81: e183
- Beniwal R, Budania A, Bhardwaj A, Yadav T. and Shaikh M. A boy with limb deformities and a blue lobulated mass of the palm. *Pediatr Dermatol* 2019; 36: 946-948.
- Bains A, Vedant D, Verma A, Bhardwaj A, Nalwa A. Ichthyosis follicularis, alopecia, and photophobia (IFAP) syndrome: A case report and review of cases reported from India. *Indian Dermatol Online J*. 2019;10:686-91
- Singh S, Singh A, Mallick S, Arava S, Ramam M. Lichenoid pseudovesicular papular eruption on nose: A papular facial dermatosis probably related to actinic lichen nitidus or micropapular polymorphous light eruption. *Indian J Dermatol Venereol Leprol* 2019;85(6):597-604.
- Singh S, Rao M, Verma A. Mutilating diffuse cutaneous leishmaniasis in acquired immunodeficiency syndrome. *Br J Dermatol* 2019;181(6):e144.
- Rajan MB, Singh S, Bardia A, Nalwa A. Comment on 'Bullous pyoderma gangrenosum secondary to underlying multiple myeloma: treated with ciclosporin'. *Clin Exp Dermatol*. 2019;44:e245-46.
- Pathania YS, Singh S. SKINTED: An autonomic denervation dermatitis. *Int J Dermatol*. 2019 accepted Jul 8. doi: 10.1111/ijd.14572

9. 11. Rajan M B, Budania A, Bohra GK. Ceftriaxone induced aplastic anaemia: A downfall trap for bone marrow. Br J Clin Pharmacol. 2019; 85: 1850-1851
10. Pathania YS, Budania A. Congenital Leuconychia striata. Postgrad Med J. 2019; 95: 463
11. Pathania YS, Budania A. Rivaroxaban induced necrolytic acral erythema. Postgrad Med J. 2019; 95: 563
12. Pathania YS, Budania A. Leucoderma Syphiliticum in a pregnant woman. Postgrad Med J. 2020; 96: 1132.
13. Panda S, Verma D, Budania A, Bharti JN, Sharma RK. Clinical and laboratory correlates of selective autonomic dysfunction due to Ross syndrome J Family Med Prim Care. 2019; 8: 1500-1503.
14. Singh S. "Verrucous Vulva": meeting therapeutic challenges in massive condyloma acuminata with intralesional immunotherapy. Indian J Dermatol Venereol Leprol 2019 (ahead of print)

**Non pubmed indexed:**

1. Singh YS, Singh S. Migratory unilateral laterothoracic exanthem in a child. Indian J Pediatr Dermatol 2020;21:76-6.

**Name of Faculty: Dr Abhishek Bhardwaj**  
**Designation: Additional Professor & Head**

**Sessions Chaired:**

1. What's new in Dermatology. 40<sup>th</sup> CUTICON Rajasthan; 02<sup>nd</sup>-03<sup>rd</sup> November 2019, J Oberoi Garden, Opposite Pink Pearl, Jaipur.

**Invited Lectures:**

1. JA@K of many trades, master of one. Indian Association of Dermatologists, Venereologists & Leprologists (Bihar Branch); 23<sup>rd</sup> -25<sup>th</sup> August 2019, Ashoka Convention Centre, Patna.
2. Difficulties in management of superficial dermatophytosis .Indian Association of Dermatologists, Venereologists & Leprologists (Rajasthan Branch);02<sup>nd</sup>-03<sup>rd</sup> November 2019, J Oberoi Garden, Opposite Pink Pearl, Jaipur.
3. MB Leprosy. Department Of Dermatology, B.J. Medical College, Ahmedabad; 14<sup>th</sup>-15<sup>th</sup> February 2020, Asmita Bhavan, Civil Hospital Campus, Ahmedabad.

**Research Projects:**

**Chief Investigator:**

1. Correlation of cutaneous hyperandrogenism with Anti Mullerian Hormone levels and polycystic ovarian morphology (PCOM) in females. Intra mural

**Co-Investigator:**

1. Flipping to Empower Adolescents for Sexual and Reproductive Health (EXTRA MURAL)
2. Quantitative assessment of size and echo texture of nerves in leprosy using high resolution ultra sonography (HRUS) and color Doppler (CD): a non- invasive technique with diagnostic and prognostic value in leprosy. Multi-centric study- Extra mural

**Examinership:**

1. Internal Examiner for Dermatology (under Medicine ) for Final Professional Examination. AIIMS, Jodhpur

**Membership/ Post in Journal or Society or Association:**

1. Reviewer; Indian Journal of Dermatology, Venereology & Leprology

**National/ International Conferences attended:**

1. PGCON West. Indian Association of Dermatologists, Venereologists & Leprologists (MP Branch). Hotel Lemontree, Indore, 13<sup>th</sup> – 14<sup>th</sup> July 2019.
2. 2<sup>nd</sup> National Leprosy Symposium 2019. Indian Association of Dermatologists, Venereologists & Leprologists, Special Interest Group (Leprosy) at Hotel Radisson Kaushambi, Ghaziabad (NCR), 2<sup>nd</sup> August 2019.
3. 7th MID DERMACON. Indian Association of Dermatologists, Venereologists & Leprologists (Bihar Branch) at Ashoka Convention Centre, Patna on 23<sup>rd</sup> -25<sup>th</sup> August 2019.
4. 40<sup>th</sup> CUTICON Rajasthan. Indian Association of Dermatologists, Venereologists & Leprologists (Rajasthan Branch), J Oberoi Garden, Opposite Pink Pearl, Jaipur, 02<sup>nd</sup>-03<sup>rd</sup> November 2019.
5. Dialogues in Clinical Dermatology 2019 World Congress. SAARC Association Of Aesthetic Dermatology, Indana Palace, Jodhpur, 21<sup>st</sup> – 22<sup>nd</sup> Dec. 2019
6. 48<sup>th</sup> DERMACON 2020. Indian Association of Dermatologists, Venereologists & Leprologists at Laxmi Lawns, Magarpatta, Hadapasar, 30<sup>th</sup> January-02<sup>nd</sup> February 2020.
7. National PG Update: West Zone. Department Of Dermatology, B.J. Medical College, Ahmedabad at Asmita Bhavan, Civil Hospital Campus, Ahmedabad, 14<sup>th</sup> -15<sup>th</sup> February 2020.

**Any other information:**

1. Received award of appreciation for contribution to Dermatology, from organizing committee of Dialogues in Clinical Dermatology 2019 World Congress, under SAARC Association Of Aesthetic Dermatology at Jodhpur, on 21, 22 Dec. 2019.
2. Member, Institute Innovation council, AIIMS Jodhpur.
3. Member, Committee for Tribal Health and Research, AIIMS, Jodhpur.
4. Member, Organizing committee of 2<sup>nd</sup> Convocation at AIIMS, Jodhpur.
5. Presented the topic, " Cutaneous manifestations of HIV-AIDS" in the Public Lecture organized by the department at AIIMS Jodhpur on 2<sup>nd</sup> December 2019.
6. Participated in panel discussion on Leprosy in the Public Lecture organized on 27<sup>th</sup> January 2020.
7. Organized IEC activity for public awareness by designing posters on World Psoriasis Day & National Leprosy Day.
8. Member of team to win first prize at General Medical Quiz at AURA, 2020.

**Name of Faculty: Dr Saurabh Singh**  
**Designation: Associate Professor**

**Books/Chapters: Chapter:**

1. Bains A, Singh S. Drug induced erythroderma. In: Emergencies in dermatology, Vasudevan B (editor), 1st edition, Taylor and Francis, 2019; 143-49

**Paper presented:**

1. Oral paper on "Correlation of cardiovascular autonomic function, peripheral vascular endothelial function and quality of life with disease severity in primary hyperhidrosis". World Congress of Dermatology; June 2019, Milan, Italy.

**Lecture invitations:**

1. Speaker on Basics of Facial Flaps in Basic Dermatosurgery. ACSICON; April 2019, Delhi
2. Speaker on Approach to dermatopathology slides with subtle findings. 3<sup>rd</sup> Dermatopathology CME; Apr 2019, Dehradun
3. Speaker on Basic facial flaps. IADVL Sister Society meeting, World Congress of Dermatology; June 2019, Milan, Italy

4. Moderator of panel discussion on 'How I manage vitiligo'. CME organized jointly at IADVL-SIG Pigmentary Society and IADVL-MP state branch, June 2019, Indore
5. Speaker on 'Non-lymphoid infiltrates of the skin' at Dermatopathology CME, jointly organized under IADVL-Andhra Pradesh branch and Dermatopathology Society of India; June 2019, Vizag
6. Quizmaster for dermatopathology quiz at Dermatopathology CME. jointly organized under IADVL-Andhra Pradesh branch and Dermatopathology Society of India; June 2019, Vizag
7. Speaker on Clinico-pathological correlation: lessons learnt . Dermatopathology Workshop cum CME; 27 July 2019, VMMC and Safdarjang Hospital, Delhi
8. Speaker on Suction Blister Grafting and minipunch grafting in vitiligo. Vitiligo Surgery workshop, AESTHETICS 2019 (combined plastic surgery and dermatosurgery conference); 9<sup>th</sup> - 10<sup>th</sup> August 2019.
9. Speaker on Topical treatment modalities in atopic and contact dermatitis. CODFICON 2019; 31<sup>st</sup> August - 1<sup>st</sup> September 2019, AIIMS Delhi,.
10. Speaker on 3 talks: Suturing techniques, Radiofrequency surgery and Non-cultured epidermal cell suspension surgery in vitiligo, IADVL SIG-Dermatosurgery workshop; 13<sup>th</sup> October 2019, Ajmer
11. Speaker on 2 talks: Vitiligo surgery set up and Autologous fat transfer in acne scars. 8<sup>th</sup> World Congress of DASIL (Dermatology and Aesthetic Surgery International League); 30<sup>th</sup> Oct to 2<sup>nd</sup> November 2019.
12. Speaker on Autologous soft tissue volume correction in facial scars. Rajasthan State CUTICON 2019, 2<sup>nd</sup> - 3<sup>rd</sup> November 2019, Jaipur.
13. Speaker on Non-lymphocytic infiltrates of the skin. Dermatopathology CME, IADVL-SIG Dermatopathology and Gujarat State IADVL branch; 10<sup>th</sup> November 2019, Ahmedabad.
14. Speaker on Glass slide challenge, at the first combined meeting of the Asiatic Society of Dermatopathology and Dermatopathology Society of India, 15<sup>th</sup> - 17<sup>th</sup> November 2019, New Delhi.
15. Speaker on Hypopigmented disorders. National PG Update, 18<sup>th</sup> -19<sup>th</sup> January 2020, RML Hospital, New Delhi.
16. Speaker and panelist, on scar classification and lasers in scars. DERMACON 2020, 30<sup>th</sup> January - 2<sup>nd</sup> February, Pune.

#### Resource Faculty:

1. Workshop faculty in Basic Dermatosurgery, ACSICON, April 2019, AIIMS Delhi
2. Workshop Faculty on 'Non-cultured epidermal cell suspension'. CME cum workshop organized jointly at IADVL-SIG Pigmentary Society and IADVL-MP state branch, June 2019, Indore

#### Research Projects:

##### Ongoing:

##### As Principal Investigator

1. Evaluation of the role of cardiovascular autonomic function and peripheral vascular endothelial function in patients with primary hyperhidrosis. Intramural
2. Comparison of efficacy and side effect profile of a combination of intralesional triamcinolone acetonide injection and percutaneous microneedling versus intralesional triamcinolone acetonide injection alone in the treatment of keloids. Non-funded
3. Retrospective analysis of effectiveness of intralesional Mycobacterium indicus pranii vaccine in varying doses in the treatment of extensive extra-genital warts. Non-funded
4. Clinico-pathological spectrum of cutaneous leishmaniasis at a tertiary care centre in western India. Non-funded
5. Retrospective study of cutaneous metastasis cases: an institutional experience from western India. Non-funded
6. A retrospective study of mycetoma cases: an institutional experience from western India. Non-funded
7. Minimal erythema dose testing with NBUVB in local population of western Rajasthan. Non-funded
8. Small nodular basal cell carcinomas may be safely excised with minimal tumor free margin: a brief institutional experience. Non-funded



**Examinerships:**

1. MD Dermatology Final Exam Question Paper setting examiner. AIIMS Rishikesh, Jan 2020
2. MD Dermatology Thesis examiner. Dr S N Medical College, Jodhpur, Feb 2020
3. Internal Examiner for 3rd professional M.B.B.S. Supplementary Examination. AIIMS Jodhpur, Batch 2015-Jan 2020.

**Membership/ Post in Journal or Society or Association ::**

1. Member of academic committee; Association of Cutaneous Surgeons of India.
2. Reviewer; IJDPDD.

**National/ International Conferences attended:**

1. ACSICON. Delhi, April 2019.
2. Dermatopathology CME. Dehradun, Apr 2019.
3. World Congress of Dermatology. Milan, Italy, June 2019.
4. CME organized jointly at IADVL-SIG Pigmentary Society and IADVL-MP state branch. Indore, June 2019.
5. Dermatopathology CME. Jointly organized under IADVL-Andhra Pradesh branch and Dermatopathology Society of India, Vizag, June 2019.
6. Dermatopathology Workshop cum CME . VMMC and Safdarjang Hospital, Delhi, 27 July 2019.
7. AESTHETICS 2019 (combined plastic surgery and dermatosurgery conference). Delhi, August 2019.
8. CODFICON 2019. AIIMS Delhi, Aug-Sept 2019.
9. IADVL SIG-Dermatosurgery workshop. Ajmer, October 2019.
10. World Congress of DASIL (Dermatology and Aesthetic Surgery International League), Goa, Oct-Nov 2019.
11. Rajasthan State CUTICON 2019 Jaipur, November 2019.
12. Dermatopathology CME organized by IADVL-SIG Dermatopathology and Gujarat State IADVL branch. Ahmedabad, November 2019.
13. Combined meeting of the Asiatic Society of Dermatopathology and Dermatopathology Society of India. New Delhi, November 2019.
14. National PG Update. RML Hospital, New Delhi, January 2020.
15. DERMACON 2020. Pune, Jan-Feb 2020

**Name of Faculty: Dr Anil Budania**  
**Designation:Assistant Professor**

**Sessions Chaired**

1. Superficial fungal infections.13<sup>th</sup> National Conference of Society for Indian Human and Animal Mycologists, 12<sup>th</sup> -15<sup>th</sup> Feb 2020, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

1. A split scalp and face study to evaluate the effects of Platelet Rich Plasma (PRP) prepared and activated by two different methods in Androgenetic Alopecia and Periorbital hyperpigmentation. AIIMS Jodhpur.

**National/ International Conferences attended:**

1. 24<sup>th</sup> World Congress of Dermatology. International League of Dermatological Societies. Milan, Italy, 10<sup>th</sup> - 15<sup>th</sup> Jun 2019

**Any other information:**

1. Dialogues in Clinical Dermatology 2019 World Congress. Marwar Dermatology Society, Indana Palace, Jodhpur, 21<sup>st</sup> -22<sup>nd</sup> Dec 2019.

**Name of Faculty: Dr Anupama Bains**

**Designation: Assistant Professor**

**Books/Chapters: Chapter:**

1. Bains A, Singh S. Drug induced erythroderma. In: Emergencies in dermatology, Vasudevan B (editor), 1st edition, Taylor and Francis, 2019; 143-49

**National/ International Conferences attended:**

1. CODFICON 2019. AIIMS Delhi, Aug-Sept 2019

**Any other information:**

1. Participated in panel discussion on the topic, "Cutaneous manifestations of HIV-AIDS" in the Public Lecture organized by the department on 2<sup>nd</sup> December 2019.

**Conferences/ Public lectures organized by the department:**

Public Lecture on World AIDS day



Public Lecture on Leprosy



## राष्ट्रीय कुष्ठ दिवस (30 जनवरी 2020)





**कुष्ठ रोग छूने से नहीं फैलता है**

**कुष्ठ रोग पीढ़ी दर पीढ़ी नहीं होता**

जल्द बीमारी का पता लगने से कुष्ठ रोग का पूर्ण इलाज हो सकेगा व शारीरिक अपंगता से भी बचाव होगा

कुष्ठ रोग न ही पूर्व जन्म में किए गए पापों का नतीजा है, न ही यह गलत व्यवहार का परिणाम है

कुष्ठ रोग एमडीटी उपचार द्वारा पूरी तरह से ठीक हो जाता है

कुष्ठ रोग के पूरे इलाज के लिए नियमित रूप से एमडीटी का सेवन करना चाहिए

**चर्म, रतिज एवं कुष्ठ रोग विभाग  
अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर**

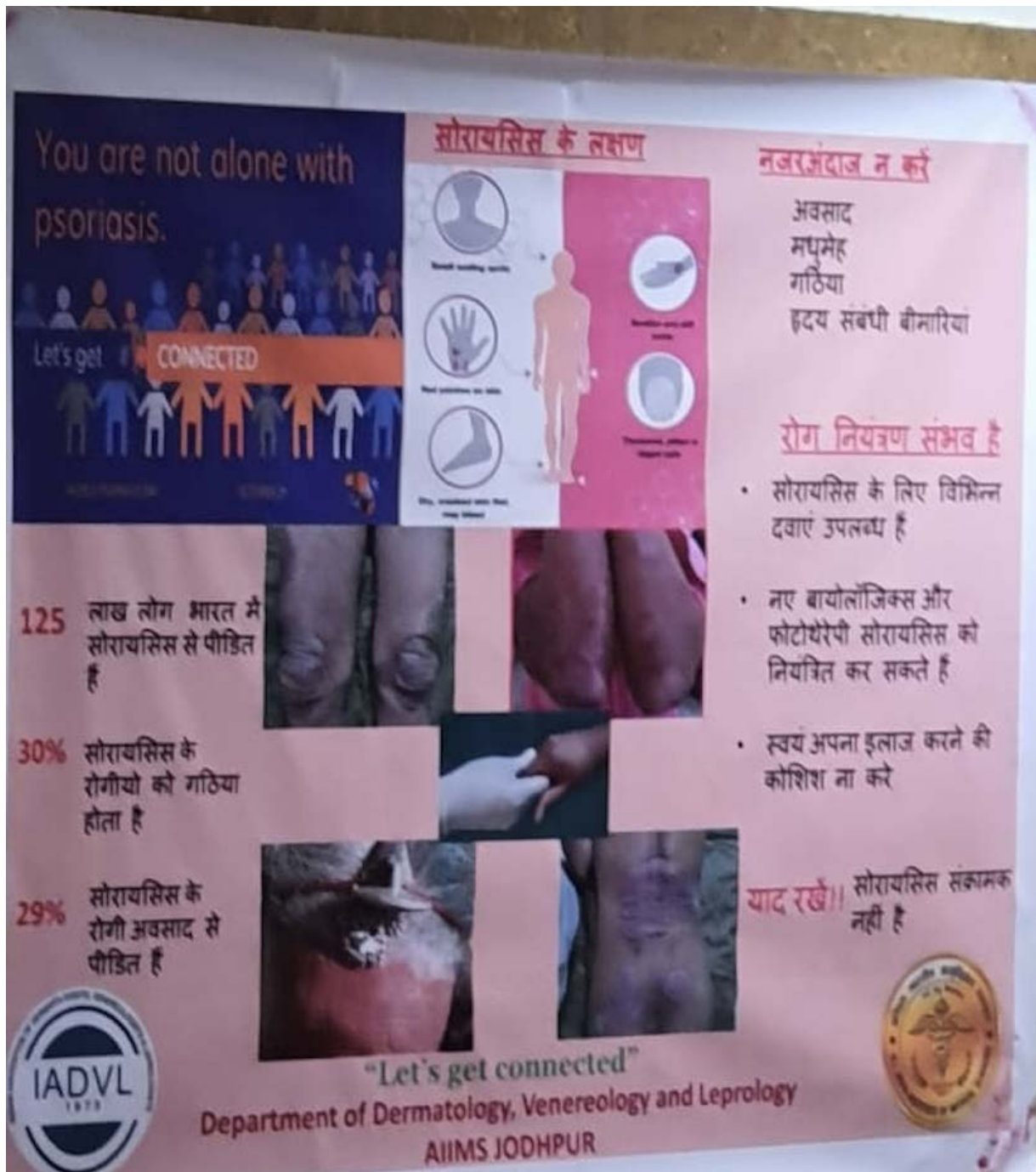








Poster on National Leprosy Day



Poster on World Psoriasis Day

**Any other Information**

The department also gives due importance to community awareness. To further the cause of disease awareness, department organized a successful Public Lecture on the occasion of World AIDS day. The department also actively contributed in the public lecture on Leprosy. Additionally, the department celebrated World Vitiligo day, World Psoriasis day and National Leprosy day with public awareness posters.

## Department of Diagnostic and Interventional Radiology

S.No.	Name	Designation
1	Dr. Pushpinder S. Khera	Additional Professor and Head
2	Dr. Binit Sureka	Associate Professor
3	Dr. Pawan K Garg	Associate Professor
4	Dr. Taruna Yadav	Assistant Professor
5	Dr. Sarbesh Tiwari	Assistant Professor

### About the Department

The department provides quality diagnostic and intervention services and is equipped with: Conventional radiography, ultrasound, high-end mammography, 256 slice dual-energy computed tomography (CT) and 3-Tesla magnetic resonance imaging (MRI).

The new digital fluoroscopy (DFR) machine was installed in month of September 2019, using which various contrast X-ray studies were started.

The department is planning for new equipment's like high end ultrasound, vacuum assisted breast biopsy, 256 slice dual energy CT scanner in the coming year. This will further increase the quality and number of high-end diagnostic and therapeutic procedures.

The interventional set up comprises of a Biplane DSA machine with advanced interventional tools. The intervention lab is one of the finest laboratory in the country catering to both vascular and non-vascular procedures. The new advanced imaging techniques that have been added in the year 2019-20 include: Body fat quantification, Lung Perfusion, Pancreatic Perfusion, Dynamic MR Lymphangiography.

In addition to the various vascular procedures being done in DSA since installation, the department has been instrumental in starting the following:

- Mechanical thrombectomy for acute ischemic stroke (AIS): further increase in number of cases during current years.
- The past year has seen a significant increase in the number of cerebral arterio-venous malformations and peripheral vascular diseases being treated by endovascular route in the department.
- Two cases of flow diverter placement (an advanced form of endovascular treatment for complex intracranial aneurysms) were done successfully in the past year.
- Apart from these the various vascular interventional procedures done in the department include a wide spectrum namely intracranial aneurysm coiling, carotid artery stenting, pre-operative embolization for vascular tumors, embolization for bronchial arteries, gastrointestinal bleeders, post-partum hemorrhage etc., TACE for hepatocellular carcinomas, interventions for portal hypertension namely TIPS and BRTO, various interventions for peripheral arterial disease such as aorto-iliac and peripheral arterial angioplasties and stenting and thrombolysis for critical limb ischemia, sclerotherapy for vascular malformations and various image guided pain management procedures.

During the current year, one student each completed the one-year fellowship course in Vascular and interventional Radiology, Abdominal Radiology and Thoracic Radiology. The new fellowship course in Neuro Radiology commenced in Aug 2019. A fellowship in Pediatric Radiology has also been approved by the academic council in the current year.

The Radiology department runs outdoor services, specialized clinic (for peripheral vascular diseases) and inpatient services thereby making it one of the very few of its kind in India to have these facilities. This enables the fellows and residents to be well versed with clinical management of the patients.

Several multidisciplinary conferences and meetings are conducted everyday with various departments for better and comprehensive management of the patients as well as resident teaching.

The department is regularly organizing CMEs, public awareness programmes and guest lectures by eminent faculty. In the current year department organized four CMEs including 2<sup>nd</sup> Radiology refresher course, 1<sup>st</sup>

AJNR CME, ISPR outreach programme and 3<sup>rd</sup> Radiology refresher course. A CME on PVD was also organized. A public awareness camp was held in Pali District enlightening the attendees about vascular diseases like PVD and stroke.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. Khera PS, Chauhan N, Garg PK, Choudhary R, Deokar K, Niwas R. Hemothorax secondary to ruptured pulmonary arteriovenous malformation: A combined stitch in time saves nine. *Lung India*. 2020;37(3):272.
2. Khera PS, Garg PK, Pandey H, Chaurasia K. Post-traumatic high-flow priapism: uncommon presentation with endovascular management. *BMJ case reports*. 2019;12(10).
3. Sureka B, Elhence P, Khera PS, Choudhary GR, Pandey H, Garg PK, et al. Quantitative contrast-enhanced perfusion kinetics in multiparametric MRI in differentiating prostate cancer from chronic prostatitis: results from a pilot study. *Bri J radiol*. 2019; 92(1100):20190181.
4. Sureka B, Yadav K, Choudhary GR, Garg PK, Khera PS. Teardrop sign. *Abdom Radiol (NY)*. 2019 Jun; 44(6):2325-2326.
5. Sureka B, Yadav K, Garg PK, Khera PS. Moustache sign. *Abdom Radiol (NY)*. 2019 Apr;44(4):1629-1630. Sureka B, Yadav T, Khera PS. Differential Diagnoses of Calcified Liver Lesions. *AJR Am J Roentgenol*. 2019; 212;W20
6. Sureka B, Rai B, Varshney V, Nag VL, Garg MK, Garg PK, et al. Quantitative diffusion-weighted magnetic resonance imaging for prediction of early infection in pancreatic collections: Results of a pilot study. *Saudi Journal of Gastroenterology: Official Journal of the Saudi Gastroenterology Association*. 2020;26(1):20.
7. Sureka B, Varshney V, Elhence P, Bharti J, Yadav T, Garg PK, et al. Unusual Case of a Pancreatic Neuroendocrine Tumor Containing a Central Scar. *ACG Case Reports Journal*. 2019; 6(3):1.
8. Sureka B, Sharma N, Khera PS, Garg PK, Yadav T. Hepatic vein variations in 500 patients: surgical and radiological significance. *The British journal of radiology*. 2019;92(1102):20190487.
9. Yadav T, Meena VK, Shaikh M, Khera S, Sureka B, Garg P, Khera P. Clinico-radiological-pathological correlation in eumycetoma spectrum: Case series. *North Clin Istanbul*. [ahead of print] online-12 July 2019.
10. Tiwari S, Yadav T, Pamnani J, Mathew JM, Elhence P, Praneeth K, Vedant D, Khera PS, Garg P, Vyas V. Diffuse Leptomeningeal Glioneuronal Tumor: A Unique Leptomeningeal Tumor Entity. *World Neurosurgery*. 2020 Mar 1; 135:297-300.
11. Shaikh M, Khera P, Yadav T, Garg P. Dural ectasia of the optic nerve: A rare presentation in neurofibromatosis type I. *J Neurosci Rural Pract*. 2019;10;49-51
12. Shaikh M, Khera P, Panda S. Unilateral cerebellar hypoplasia: A rare cause of childhood seizures. *Journal of Pediatric Neurosciences*. 2019 Oct;14(4):236.
13. Khera D, Elhence P, Khera PS. An unusual cause of lymphadenopathy in a child. *BMJ case reports*. 2019 Jul 1;12(7).
14. Saxena R, Pathak M, Shukla R, Sinha A, Elhence P, Bharti JN, Khera P. Bronchial Carcinoid tumour as a rare cause of Cushing's syndrome in children—A case report and review of literature. *Journal of clinical research in pediatric endocrinology*. 2020 Jan 3.
15. Mittal A, Garg PK, Sureka B. Ask-Upmark Kidney, Imaging Features. *Iranian journal of kidney diseases*. 2019;13(6):362.
16. Rajagopal R, Garg PK, Khera PS, Sharma S. "Double-lumen" aortic arch with "double-lumen" brachiocephalic artery. *Annals of Pediatric Cardiology*. 2019;12(2):141.
17. Varshney VK, Yadav T, Elhence P, Sureka B. Preoperative diagnosis of pancreatic schwannoma – Myth or reality. *Journal of Cancer Research and Therapeutics*. Ahead of print, 30 Jan 2020.
18. Ahmed S, Tiwari S, Yadav T, Khera PS, Garg P, Sureka B, Budania A, Singh S. Parry Romberg syndrome: Imaging features in 4 consecutive cases and review of literature. *J Clin Neurosci*. 2020 Apr 18. pii: S0967-5868(20)30249-6. doi:10.1016/j.jocn.2020.04.024. [Epub ahead of print] Review. PubMed PMID: 32317188.
19. Varshney VK, Bharti JN, Sureka B, Soni SC. Gallbladder Carcinosarcoma with Mirizzi Syndrome: a Rare Presentation. *J Gastrointest Cancer*. 2019 Dec;50(4):997-1000.

20. Deora S, Sharma AK, Garg P. Idiopathic dilatation of the right atrium: a rare cause of right heart failure. *Asian Cardiovascular and Thoracic Annals*. 2019;27(8):713–4.
21. Kumar P, Kaushal D, Garg PK, Gupta N, Goyal JP. Subglottic hemangioma masquerading as croup and treated successfully with oral propranolol. *Lung India: Official Organ of Indian Chest Society*. 2019;36(3):233.
22. Rao M, Choudhary GR, Yadav T, Nalwa A. Renal replacement lipomatosis: A relatively uncommon and underreported entity. *Indian J Pathol Microbiol*. 2020; 63:S59-S60
23. Chatterjee D, Pradhan DK, Tiwari S. Arachnoid Membranes of Unknown Origin Blocking the Foramen of Magendie: A Report of Two Cases and Review of Literature. *Neurology India*. 2019 Sep 1;67(5):1369.
24. Nigam N, Rastogi A, Bhatia V, Sureka B, Jain P, Bihari C. EUS-guided FNA in Diagnosing Pancreatic Lesions: Strength and Cytological Spectrum. *J Cytol*. 2019 Oct-Dec;36(4):189-195.
25. Nigam N, Rajani SS, Rastogi A, Patil A, Agrawal N, Sureka B, Arora A, Bihari C. Inflammatory pseudotumors of the liver: Importance of a multimodal approach with the insistence of needle biopsy. *J Lab Physicians*. 2019 Oct-Dec;11(4):361-368.
26. Varshney VK, Rao M, Soni SC, Sureka B. Synchronous Adeno-squamous Carcinoma of Gallbladder and Adenocarcinoma of Common Bile Duct: Twin Trouble. *J Gastrointest Cancer*. 2019 Dec;50(4):1014-1017.
27. Vishnoi JR, Jain A, Misra S, Pareek P, Rao M, Sureka B, Puranik A. Paraneoplastic Syndrome Associated with the Retroperitoneal Dedifferentiated Liposarcoma: an Atypical Presentation and Review of the Literature. *Indian J Surg Oncol*. 2019 Dec;10(4):703-707.
28. Mishra S, Ghatak S, Agrawal D, Singh P, Garg P. Estimation of Fetal Weight: An Ultrasonography Study in Indian Population. *Mymensingh medical journal: MMJ*. 2020;29(1):215.
29. Gadhvi M, Singhal A, Sharma G, Kamble P, Gupta U, Garg M, et al. Intraoperative Neurophysiological Monitoring (IONM) of Proximal Occlusion of Vertebral Artery in Arteriovenous Malformation: A Case Report. *Indian J Physiol Pharmacol*. 2020; 64(1):11–6.
30. Bharti S, Choudhary GR, Bharti JN, Garg PK, Arsha B, Elhence PA. Sarcomatoid Chromophobe Renal Cell Carcinoma with Heterologous Component. *Iranian Journal of Pathology*. 2020;15(1):56-60.
31. Khera D, Toteja N, Bhatnagar A, Garg PK. Unmasking of left upper lobe bronchial atresia in a case of H1N1 pneumonia. *BMJ Case Reports CP*. 2019;12(7).
32. Beniwal R, Budania A, Bhardwaj A, Yadav T, Shaikh M. A boy with limb deformities and a blue lobulated mass of the palm. *Pediatr Dermatol*. 2019;36:946-948
33. Vig A, Rathod KJ, Jadhav A, Kamal M, Yadav T, Sinha A. Review of laparoscopic median sacral artery ligation in sacrococcygeal teratoma. *J Ped Endosc Surg* . 2019;1;75-78
34. Chawla G, Niwas R, Chauhan NK, Dutt N, Yadav T, Jain P. Pancreatic pleural effusion masquerading as right sided tubercular pleural effusion. *Monaldi Arch Chest Dis*. 2019;89;1125
35. Sharma A, Saxena R, Sinha A, Singh S, Yadav T. Disseminated Gastrointestinal Basidiobolomycosis (GIB) in an infant from Western India. *Med Mycol Case Rep*. 2019;26;38-41
36. Shukla K, Gosal JS, Garg M, Bhaskar S, Jha DK, Tiwari S. Atypical variant of Bastrup's disease with lumbar stenosis and cauda equina syndrome. *Surgical Neurology International*. 2019;10.
37. Aneja J, Mahal P, Sudhakar G, Panda S, Tiwari S. Steroid-responsive encephalopathy as a semblance of neuroleptic malignant syndrome in a patient with schizophrenia. *Indian journal of psychological medicine*. 2019 Sep;41(5):487.
38. Shashidhar A, Sadashiva N, Prabhuraj AR, Rao KN, Tiwari S, Saini J, Shukla D, Devi BI. Ruptured intracranial dermoid cysts: A retrospective institutional review. *Journal of Clinical Neuroscience*. 2019 Sep 1; 67:172-7.

#### Non-Pubmed Indexed:

1. Khera PS, Garg PK, Tiwari S, Sureka B, Yadav T, Purkayastha S, et al. Caroticocavernous Fistulae: Clinical Presentation, Imaging, and Endovascular Treatment. *Journal of Clinical Interventional Radiology ISVIR*. 2019;3(03):171–9.
2. Tiwari S, Garg PK, Khera PS, Babu S, Sureka B, Yadav T. Cerebral Proliferative Angiopathy: An Uncommon and Misdiagnosed Entity. *Journal of Clinical Interventional Radiology ISVIR*. 2020.

3. Mahal S, Tiwari S, Yadav T, Khera P. Looking deep into cerebral venous system: Is that a pathology or just a normal variant? European Congress of Radiology 2020.
4. Goyal K, Hussain S, Garg PK, Bhargava N, Varshney VK. Endoscopic biliary stenting for portal biliopathy perforating paracholedochal collateral: A rare complication. Journal of Digestive Endoscopy. 2019;10(01):064–6.
5. Khera S, Elhence P, Bagga N, Garg P, Choudhary R. Sialolipoma of Parotid Gland: a Lesser Known Entity. Indian Journal of Surgery. 2020;82(1):90–2.

**Name of Faculty: Dr Pushpinder S Khera**  
**Designation: Additional Professor and Head**

**Papers Presented:**

1. Pushpinder S Khera. Lymphatic interventions: initial experience from a tertiary care centre in India. 1<sup>st</sup> International Conference on Lymphatic Interventions; June 2019, Osaka.
2. Pushpinder S Khera. Lipiodol devoid BRTO for treatment of large gastric varices: experiences from a tertiary care centre in India. Annual conference of CIRSE; Sept 2019, Barcelona.
3. Pushpinder S Khera. Transbrachial access- An underutilized approach for Neurointervention, 9<sup>th</sup> February 2020, STNI 2020, Kolkata.

**Sessions Chaired:**

1. Management of cirrhosis and its complication. Mid-term INASL conference; 26<sup>th</sup> - 28<sup>th</sup> April 2019, Jodhpur.
2. Jodhpur Neurosciences Endospine CME cum Workshop; 20<sup>th</sup> - 21<sup>st</sup> Dec 2019, Dr S N Medical college, Jodhpur.
3. Invited as a panelist in panel discussion on “Case scenarios in Gestational trophoblastic disease”, CME on “Essentials of Maternal and Fetal Medicine- clinical approach”, Department of Obstetrics and Gynecology; 12<sup>th</sup> May 2019, AIIMS Jodhpur.
4. Invited to chair a session on Presurgical & surgical options in epilepsy, Indian Epilepsy School 2019; 24<sup>th</sup> August 2019, Hotel Indana palace, Jodhpur.
5. Invited as a panelist in panel discussion on “Endovascular management of varicose veins”, Annual conference of the association of surgeons of India- Rajasthan chapter (ASIRAJ-2019); 20/10/2019, AIIMS Jodhpur.

**Invited Lectures**

1. Spectrum of Vascular Interventions. 2nd Radiology Refresher course; 14th April 2019, Department of Diagnostic and Interventional Radiology, AIIMS Jodhpur.
2. Case based approach to Vascular Interventions. 3rd Radiology Refresher course; 14<sup>th</sup> February 2020, Department of Diagnostic and Interventional Radiology, AIIMS Jodhpur.
3. Imaging in Neurocutaneous Syndromes. ISPR outreach programme; 8<sup>th</sup> Dec 2019, AIIMS, Jodhpur.
4. Interventions. Annual Conference of Rajasthan Chapter of IRIA; 12<sup>th</sup> Oct 2019, Udaipur.
5. Speaker at Annual Conference of Indian Society of Neuro Radiology (ISNR); Oct 2019, New Delhi.
6. Advances in Stroke Imaging. Annual Conference of Indian Radiology and Imaging Association(IRIA); Jan 2020, Gandhinagar, Gujarat.

**Resource Faculty:**

1. 3<sup>rd</sup> Radiology Refresher Course. Organizing Chairman, Department of Radiology; 14<sup>th</sup> -15<sup>th</sup> February, 2020, AIIMS Jodhpur
2. 1<sup>st</sup> Indian Society of Pediatrics Radiology. Organizing Chairman, (ISPR) Outreach Programme; 8<sup>th</sup> December 2019, AIIMS Jodhpur
3. 1<sup>st</sup> AIIMS jodhpur neuroradiology update. Organizing Chairman; 16<sup>th</sup> -17<sup>th</sup> Nov 2019, AIIMS Jodhpur.



- workshop on Basic radiology for surgeons. Annual conference of the Association of surgeons of India, Rajasthan chapter (ASIRAJ-2019); 18<sup>th</sup> October 2019, AIIMS Jodhpur.
- 2<sup>nd</sup> Radiology Refresher Course. Organizing Chairman, Department of Radiology; 13-14<sup>th</sup> April, 2019, AIIMS, Jodhpur

#### Research Project:

##### Ongoing:

##### As Principal Investigator

##### Extramural

- Multicentric Trial on “Clinical Trial of the Content-based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules and ILD patterns”. IIT Kharagpur, AIIMS Jodhpur, SGPGI Lucknow and IIT Patna (Submitted to Ministry of Electronics and Informative Technology, India).
- A phase IV Drug Trial on “Safety and Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization”

##### Nonfunded Projects

- Retrospective data charting of BRTO (Balloon occluded retrograde transvenous obliteration of gastric varices) cases.

##### Examinership

- External examiner for Post-doctoral fellowship exit exam (Hepato biliary interventions), Institute of Liver and Biliary Sciences, New Delhi, June 2019

##### Membership/Post in Journal or Society or Association :

- Member; European Society of Radiology
- Member; Cardiovascular and Interventional Society of Europe
- Member; Society of Therapeutic Neurointerventions.
- Member; Indian Radiological and Imaging Association

##### National/ International Conferences attended:

- 1<sup>st</sup> International Conference on lymphatic interventions, Osaka, Japan, June 2019.
- Annual Conference of CIRSE, Barcelona, Sept 2019.
- Annual Conference of Rajasthan Chapter of IRIA, Udaipur on 12<sup>th</sup> Oct 2019.
- Jodhpur Neurosciences Endospine CME cum Workshop, Dr S.N. Medical college, Jodhpur, 20<sup>th</sup> -21<sup>st</sup> Dec 2019.
- ISPR outreach programme, AIIMS, Jodhpur, 8<sup>th</sup> December 2019.
- Annual Conference of Indian Society of Neuro Radiology (ISNR), New Delhi, Oct 2019.
- Annual Conference of Indian Radiology and Imaging Association (IRIA), Gandhinagar, Gujarat, Jan 2020

**Name of Faculty: Dr Binit Sureka**

**Designation: Associate Professor**

##### Posters published online:

- Binit Sureka, Neelmani Sharma, Pushpinder S Khera, Pawan Kumar Garg, Taruna Yadav, Vaibhav Varshney, Poonam Elhence. The Cholangiopathies – diseases of the biliary tract: Radiologists quandary Available from:  
[https://cslide.ctimeetingtech.com/ESGAR2019\\_sub/attendee/eposter/poster/503?q=Sureka](https://cslide.ctimeetingtech.com/ESGAR2019_sub/attendee/eposter/poster/503?q=Sureka)

2. Binit Sureka, Neelmani Sharma, Pushpinder S Khera, Pawan Kumar Garg, Taruna Yadav, Vaibhav Varshney, Poonam Elhence The challenging conundrum of cystic lesions in liver: to treat or to observe? Available from: [https://cslide.ctimeetingtech.com/ESGAR2019\\_sub/attendee/eposter/poster/475?q=Sureka](https://cslide.ctimeetingtech.com/ESGAR2019_sub/attendee/eposter/poster/475?q=Sureka)
3. Binit Sureka, Neelmani Sharma, Pushpinder S Khera, Pawan Kumar Garg, Taruna Yadav, Sarbesh Tiwari, Alex Fernandus Artifacts in Abdominal CT: They all look the same to me! Let's recognize it and eliminate it! Available from: [https://cslide.ctimeetingtech.com/ESGAR2019\\_sub/attendee/eposter/poster/532?q=Sureka](https://cslide.ctimeetingtech.com/ESGAR2019_sub/attendee/eposter/poster/532?q=Sureka)

### Papers Presented:

1. Sureka B, Elhence P, Yadav K, Khera P, Choudhary G, Pandey H. 10 Lessons I learnt from hypointense focus in ADC maps in PI-RADS v2 Multiparametric MRI Prostate. 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar.
2. Sureka B, Sharma N, Khera PS, Garg PK, Yadav T, Tiwari S, Fernandus A. Artifacts in Abdominal CT: They all look the same to me! Let's recognize it and eliminate it! 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
3. Sureka B, Elhence P, Rodha MS, Chaudhary R, Jha S, Khera P. Combined Hyperdense Gall bladder wall-lumen sign New CT sign in acute gangrenous cholecystitis. 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
4. Sureka B, Sharma N, Khera PS, Garg PK, Yadav T, Varshney V, Elhence P. The Cholangiopathies – diseases of the biliary tract: Radiologists quandary at European Society of Gastrointestinal & Abdominal Radiology; 5<sup>th</sup> -8<sup>th</sup> June 2019, Rome, Italy
5. Sureka B, Sharma N, Khera PS, Garg PK, Yadav T, Varshney V, Elhence P. The challenging conundrum of cystic lesions in liver: to treat or to observe? European Society of Gastrointestinal & Abdominal Radiology; 5<sup>th</sup> -8<sup>th</sup> June 2019, Rome, Italy
6. Sureka B, Sharma N, Khera PS, Garg PK, Yadav T, Tiwari S, Fernandus A. Artifacts in Abdominal CT: They all look the same to me! Let's recognize it and eliminate it! European Society of Gastrointestinal & Abdominal Radiology; 5<sup>th</sup> -8<sup>th</sup> June 2019, Rome, Italy
7. Sureka B, Elhence P, Khera P, Choudhary G, Pandey H, Garg P. Quantitative contrast-enhanced perfusion kinetics in Multi-parametric MRI in differentiating prostate cancer from chronic prostatitis: Results from a pilot study. Korean Society of Radiology; 18<sup>th</sup> -21<sup>st</sup> September 2019, Seoul, South Korea
8. Sureka B, Elhence P, Yadav K, Khera P, Choudhary G, Pandey H. 10 Lessons I learnt from hypointense focus in ADC maps in PI-RADS v2 Multiparametric MRI Prostate. Korean Society of Radiology; 18<sup>th</sup> -21<sup>st</sup> September 2019, Seoul, South Korea
9. Sureka B, Garg PK, Yadav T, Khera PS, Elhence P, Varshney V. Congenital fibrocystic liver diseases: making it easy for the Pediatric radiologist!! Annual Scientific Meeting Asian Oceanic Society of Pediatric Radiology; 26<sup>th</sup> -28<sup>th</sup> September 2019, South Korea

### Sessions Chaired:

1. Journalism and publications, 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
2. Shifting paradigm, 13<sup>th</sup> National Conference of Society for Indian human and animal mycologists; 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur.
3. As chairperson for Thoracic imaging session at Delhi Imaging Update; 7<sup>th</sup> - 9<sup>th</sup> February 2020, AIIMS Delhi.

### Invited Lectures

1. Research metrics. 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
2. Cystic lesions in pancreas. Radiology Refresher Course organised by Department of Radiology, 14<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur

3. Liver space occupying lesions. Radiology Refresher Course organised by Department of Radiology; 14<sup>th</sup> - 15<sup>th</sup> February, 2020, AIIMS Jodhpur
4. Cystic lesions liver. Siemens Healthcare; 6<sup>th</sup> April, 2019, Varanasi
5. Ductal plate malformation. 1<sup>st</sup> ISPR Outreach Programme; 8<sup>th</sup> December 2019, AIIMS Jodhpur

#### Resource Faculty:

1. Scientific Poster Judge: 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
2. Scientific Oral Paper Judge: 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> - 26<sup>th</sup> January 2020, MMCC Gandhinagar
3. Radiology Refresher Course. Department of Radiology; 14<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur
4. 1<sup>st</sup> ISPR Outreach Programme; 8<sup>th</sup> December 2019, AIIMS Jodhpur
5. Editor news bulletin; Indian Society of Paediatric Radiology (ISPR)

#### Research Project:

##### Ongoing:

1. Pancreatic head and neck variations: evaluation with MDCT
2. Pancreatic body and tail variations: evaluation with MDCT

##### Completed:

1. Hepatic vein variations in 500 patients: surgical and radiological significance.

#### Scientific Awards/Patents

1. Cum Laude award. Best poster- Artifacts in Abdominal CT: They all look the same to me! Let's recognize it and eliminate it!", European Society of Gastrointestinal & Abdominal Radiology; 5<sup>th</sup> -8<sup>th</sup> June 2019, Rome, Italy
2. Recommended poster award. For the poster titled challenging conundrum of cystic lesions in liver: to treat or to observe?, European Society of Gastrointestinal & Abdominal Radiology; 5<sup>th</sup> -8<sup>th</sup> June 2019, Rome, Italy
3. Best Poster award. For poster titled Congenital fibrocystic liver diseases: making it easy for the Pediatric radiologist!!, Annual Scientific Meeting Asian Oceanic Society of Pediatric Radiology; 26<sup>th</sup> -28<sup>th</sup> September 2019
4. Awarded Fellowship Abdominal Imaging, Seoul National University; September-October, 2019, Seoul, South Korea
5. Second prize. Thesis post-graduate student Dr Kuldeep Yadav for oral paper titled "Validation of PIRADSV2 for prostate cancer on 3T MRI with PSA density and histopathology correlation", 27<sup>th</sup> Rajasthan State IRIA Conference; 11<sup>th</sup> -13<sup>th</sup> October 2019, Udaipur
6. Onco Imaging Award. For Wall-lumen hyperdense sign on CT to predict gangrenous cholecystitis, 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC Gandhinagar
7. Best Poster award, for poster titled "10 Lessons I learnt from hypointense focus in ADC maps in PI-RADS v2 Multiparametric MRI Prostate", 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC, Gandhinagar
8. Awarded Fellowship Indian College of Radiology & Imaging (FICR). 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association; 23<sup>rd</sup> -26<sup>th</sup> January 2020, MMCC, Gandhinagar
9. Academic Excellence Award, Delhi State Chapter, Delhi Imaging Update – 2020; 8<sup>th</sup> February 2020, J L Auditorium, All India Institute of Medical Sciences, New Delhi

#### Examinership

1. External examiner (Theory paper) for PDCC Abdominal Imaging, Institute of Liver & Biliary Sciences, New Delhi, December 2019

**Membership/Post in Journal or Society or Association :**

1. Associate Editor; Indian Journal of Radiology and Imaging
2. Fellow; European Society of Gastrointestinal & Abdominal Radiology (ESGAR)
3. Editor; Newsletter of Indian Society of Pediatric Radiology
4. Fellowship; Indian College of Radiology & Imaging (FICR)

**National/ International Conferences attended:**

1. 73<sup>rd</sup> Annual Conference of Indian Radiological & Imaging Association, MMCC Gandhinagar, 23<sup>rd</sup> -26<sup>th</sup> January 2020
2. Delhi Imaging Update – 2020, J L Auditorium, All India Institute of Medical Sciences, New Delhi, 8<sup>th</sup> February 2020
3. Annual meeting of European Society of Gastrointestinal & Abdominal Radiology, Rome, Italy, 5-8 June 2019 (Participated from home)
4. Annual meeting of Korean Congress of Radiology, Seoul, South Korea, 18<sup>th</sup> -21<sup>st</sup> September 2019
5. Annual Scientific Meeting Asian Oceanic Society of Pediatric Radiology, Seoul, South Korea, 26<sup>th</sup> -28<sup>th</sup> September 2019

**Name of Faculty: Dr Pawan K Garg**

**Designation: Associate Professor**

**Papers Presented:**

1. Garg P, Tiwari S, Khera P, Kala P, Elhence P. Cirroid Aneurysm percutaneous and preoperative embolization. 4th Annual conference of STNI; 6<sup>th</sup>-9<sup>th</sup> Feb 2020, at Kolkata
2. Garg P, Khera P, Tiwari S, Sureka B, Yadav T, Babu S. Iatrogenic rupture of external iliac artery during stenting and its management. ISVIR Midterm CME; 18<sup>th</sup>-19<sup>th</sup> September 2019, New Delhi.
3. Garg P, Khera P, Tiwari S, Sureka B, Yadav T, Babu S. Uncommon iatrogenic complication during Mechanical Thrombectomy for stroke. Monsoon meeting; 22-25 August 2019, Goa
4. Babu S, Khera P, Tiwari S, Sureka B, Yadav T. In-stent thrombosis and arterial injury during superior mesenteric artery stenting for chronic mesenteric ischemia" in ISVIR Midterm CME; 28<sup>th</sup> -19<sup>th</sup> September 2019, Delhi.
5. Babu S, Garg P, Khera P, Tiwari S, Sureka B, Yadav T. Needle breakage within vertebra during percutaneous alcohol injection for vertebral hemangioma" in ISVIR Midterm CME; 18<sup>th</sup> -19<sup>th</sup> September 2019, Delhi.
6. Ghosh T, Garg P, Khera P, Tiwari S, Sureka B, Yadav T. Percutaneous alcohol ablation for aggressive vertebral hemangioma: Preliminary experience in two patients. Workshop on tumor ablation; 8<sup>th</sup> -9<sup>th</sup> Nov 2019, PGIMER, Chandigarh
7. Ghosh T, Babu S, Garg P, Khera P, Tiwari S, Sureka B, Yadav T, Varshney V, Vishnoi JR. Lipiodol lymphangiography for minimal invasive management of post-surgical chylous leak. Annual conference of the Association of surgeons of India, Rajasthan chapter (ASIRAJ-2019), AIIMS Jodhpur.

**Sessions Chaired:**

1. Management of cirrhosis and its complication. Mid-term INASL conference, 26<sup>th</sup> -28<sup>th</sup> April 2019, AIIMS Jodhpur.
2. Jodhpur Neurosciences Endospine CME cum Workshop. Dr S N Medical college; 20<sup>th</sup> - 21<sup>st</sup> Dec 2019, Jodhpur.

**Invited Lectures**

1. HRCT in interstitial lung disease. 3<sup>rd</sup> Radiology Refresher course; 14<sup>th</sup> -15<sup>th</sup> Feb 2020, AIIMS Jodhpur.
2. Congenital lung malformation. 1st conference of Indian Society of Pediatrics Radiology (ISPR); 8<sup>th</sup> Dec 2019; AIIMS Jodhpur.
3. RFA in osteoid osteoma. Workshop on tumor ablation, 8<sup>th</sup> -9<sup>th</sup> Nov 2019, PGIMER, Chandigarh.
4. Pulmonary Hypertension assessment on CT. 9th Annual IACI congress; 26<sup>th</sup> -29<sup>th</sup> Sept 2019, Jaipur
5. Exam oriented HRCT Pearl. 2nd Radiology Refresher course; 13<sup>th</sup> -14<sup>th</sup> April 2019, AIIMS Jodhpur.

**Resource Faculty:**

1. Joint Organizing Secretary, 3<sup>rd</sup> Radiology Refresher Course. Department of Radiology; 14<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur
2. Scientific Coordinator, 1<sup>st</sup> Indian Society of Pediatrics Radiology (ISPR) Outreach Programme; 8<sup>th</sup> December 2019, AIIMS Jodhpur
3. Organizing Secretary, 1st AIIMS jodhpur neuroradiology update, 16<sup>th</sup> -17<sup>th</sup> November 2019, AIIMS Jodhpur
4. Workshop on "Basic radiology for surgeons". Annual conference of the Association of surgeons of India, Rajasthan chapter (ASIRAJ-2019); 18<sup>th</sup> October 2019, AIIMS Jodhpur.
5. Joint Organizing Secretary, 2<sup>nd</sup> Radiology Refresher Course, Department of Radiology; 13<sup>th</sup> -14<sup>th</sup> April 2019, AIIMS Jodhpur

**Research Project:****Ongoing:****Extramural Projects as co-investigator**

1. Multicentric Trial on "Clinical Trial of the Content-based Image Retrieval-based Computer Aided Diagnosis (CBIR-CAD) for lung nodules and ILD patterns" at IIT Kharagpur, AIIMS Jodhpur, SGPGI Lucknow and IIT Patna (Submitted to Ministry of Electronics and Informative Technology, India).
2. A phase IV Drug Trial on "Safety and Efficacy of Lipiodol® Ultra Fluid in Association with Surgical Glues during Vascular Embolization"

**Nonfunded Projects**

1. Retrospective data charting of BRTO (Balloon occluded retrograde transvenous obliteration of gastric varices) cases.

**Scientific Awards/Patents**

1. Travel grant. 13th Annual "Global Embolization Symposium & Technologies" (GEST) symposium, Nominated by ISVIR society India; 9<sup>th</sup> -12<sup>th</sup> May 2019. Sheraton New York Times Square Hotel, New York
2. Third prize to my thesis post-graduate student Dr Mufeed, for oral paper titled "Evaluation of suspected malignant lung masses with CT perfusion study" Delhi imaging update (Delhi state chapter IRIA); 7<sup>th</sup> -9<sup>th</sup> Feb 2020, Delhi.

**Membership/Post in Journal or Society or Association**

1. Corresponding member; European Society of Radiology (ESR)
2. Annual membership; Cardiovascular and Interventional Society of Europe (CIRSE)

**National/ International Conferences attended:**

1. 13th Annual "Global Embolization Symposium & Technologies" (GEST) symposium, Sheraton New York Times Square Hotel in New York, NY from, 9<sup>th</sup> -12<sup>th</sup> May 2019.
2. 4th Annual conference of Society of Therapeutic Neurointervention (STNI), Kolkata, 6<sup>th</sup> -9<sup>th</sup> Feb 2020

3. Jodhpur Neurosciences Endospine CME cum Workshop, Dr S.N. Medical college, Jodhpur, 20<sup>th</sup> -21<sup>st</sup> Dec 2019.
4. Stroke and Neurovascular Master Class ANVI 2019, New Delhi, 23<sup>rd</sup> – 24<sup>th</sup> November 2019.
5. Workshop on tumor ablation, PGIMER, Chandigarh, 8<sup>th</sup> - 9<sup>th</sup> Nov 2019.
6. Indian society of vascular and interventional radiology (ISVIR) Midterm CME, New Delhi, 2019
7. Goa Monsoon Meet, organized by INIF, Goa, 22<sup>nd</sup> – 25<sup>th</sup> August 2019
8. 9th Annual IACI congress, Jaipur, 26<sup>th</sup> -29<sup>th</sup> Sept 2019

**Name of Faculty: Dr Taruna Yadav**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Yadav T, Sureka B, Khera P, Pathak M. An unusual case of choledochal cyst. Indian society of pediatric radiology (ISPR) 2019; 7<sup>th</sup> – 8<sup>th</sup> September 2019, AIIMS, New Delhi
2. Yadav T, Suman S, Khera S, Sureka B, Khera P. Protruding eyes but congenital blindness"-Bilateral microphthalmia with colobomatous cysts. (ISPR) 2019; 7<sup>th</sup> – 8<sup>th</sup> September 2019, AIIMS, New Delhi
3. Yadav T, Khera PS, Garg PK, Tiwari S, Sureka B. Six more educational exhibits presented by PG students. (ISPR) 2019; 7<sup>th</sup> – 8<sup>th</sup> September 2019, AIIMS, New Delhi

**Sessions chaired:**

1. Panelist in panel discussion on “Case scenarios on screening in Pregnancy and Management” – CME, Essentials of Maternal and Fetal Medicine- clinical approach, Department of Obstetrics and Gynecology; 12<sup>th</sup> May 2019, AIIMS Jodhpur.
2. Presurgical & surgical options in epilepsy. Indian Epilepsy School 2019; 24<sup>th</sup> August 2019, hotel Indana palace, Jodhpur.
3. Panelist in panel discussion on “How to approach Breast lump”. Annual conference of the association of surgeons of India- Rajasthan chapter (ASIRAJ-2019); 20<sup>th</sup> October 2019, AIIMS Jodhpur.
4. Expert panelist in Tumor board discussion on “Cancer cervix”. 1<sup>st</sup> Rajasthan state chapter conference of Association of gynecologic oncologists of India (RAJAGOICON-2020); 22<sup>nd</sup> February 2020, AIIMS Jodhpur.

**Invited Lectures**

1. Exam oriented approach for CNS tumors. 2<sup>nd</sup> Radiology Refresher Course; 13<sup>th</sup> -14<sup>th</sup> April 2019, AIIMS, Jodhpur.
2. USG in PCOS : What's new ? – CME on “Polycystic Ovarian Syndrome”, Department of Obstetrics and Gynaecology; 28/7/2019, AIIMS, Jodhpur.
3. Imaging in paediatric liver tumors. (ISPR) outreach programme; 8<sup>th</sup> December 2019, AIIMS, Jodhpur.
4. Invited as Faculty to deliver lecture on “Imaging in paediatric renal tumors” at (ISPR) outreach programme; 8<sup>th</sup> December 2019, at AIIMS, Jodhpur.
5. Conducted a quiz session for post graduate students. (ISPR) outreach programme; 8<sup>th</sup> December 2019, AIIMS, Jodhpur.
6. Exam oriented cases in pediatrics. 3<sup>rd</sup> Radiology Refresher course, 14<sup>th</sup>-15<sup>th</sup> February 2020, AIIMS Jodhpur

**Resource faculty:**

1. Scientific coordinator and Treasurer, 3<sup>rd</sup> Radiology Refresher Course organised by Department of Radiology; 14<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur
2. Organizing secretary, 1<sup>st</sup> Indian Society of Pediatrics Radiology (ISPR) Outreach Programme, 8<sup>th</sup> December 2019, AIIMS Jodhpur
3. Treasurer, 1st AIIMS jodhpur neuroradiology update; 16<sup>th</sup> -17<sup>th</sup> November 2019, AIIMS Jodhpur.

4. As a faculty to conduct a workshop on “basic radiology for surgeons”. Annual conference of the association of surgeons of India- Rajasthan chapter (ASIRAJ-2019); 18<sup>th</sup> October 2019, AIIMS Jodhpur.
5. Contrast enhanced ultrasound. National conference of Indian society of pediatric radiology (ISPR) 2019, 7<sup>th</sup> September 2019, AIIMS, New Delhi

**Research Project:****Ongoing:****Chief Investigator:**

1. Visceral arterial variations on CT: surgical and radiological implications. Non-funded
2. Portal vein variations on CT: surgical and radiological implications. Non-funded

**Co-Investigator:**

1. Radiographic Analysis of Sagittal Spino-Pelvic Balance in Asymptomatic Population and Backache Patients

**Membership/Post in Journal or Society or Association**

1. Life member; Indian Society of Pediatric Radiology (ISPR)
2. Corresponding member; European Society of Radiology (ESR)
3. Corresponding member; Korean society of radiology (KSR).
4. Treasurer; 2<sup>nd</sup> Radiology Refresher Course organised by Department of Radiology, AIIMS Jodhpur

**National/ International Conferences attended:**

1. National conference of Indian society of pediatric radiology (ISPR) 2019, AIIMS, New Delhi, 7<sup>th</sup> -08<sup>th</sup> September 2019

**Name of Faculty: Dr. Sarbesh Tiwari**

**Designation: Assistant Professor.**

**Papers Presented:**

1. Tiwari S. Case presentation “Plaque Migration in basilar artery stenting”. Goa Monsoon meeting 2019; 23<sup>rd</sup> August 2019, Goa
2. Tiwari S. Transbrachial access- An underutilized approach for Neurointervention. STNI 2020; 9<sup>th</sup> February 2020, Kolkata.
3. Sayani, Tiwari S. Role of Arterial Spin Labelling (ASL) and MR venography techniques as a diagnostic tool for cerebral venous thrombosis. (Paper presented by PG student, which fetched second prize). Delhi Imaging Update 2019; 31<sup>st</sup> Oct - 3<sup>rd</sup> Nov 2019, New Delhi.
4. Sabha, Tiwari S. Parry Romberg Syndrome: Peculiar enhancement pattern masquerading as granulomatous disease. (E-poster by PG Student, which fetched her travel grant from AOSPR 2019).
5. Presented five educational exhibits (Yadav T, Khera PS, Garg PK, Tiwari S, Sureka B). 21<sup>st</sup> annual conference of Indian society of neuro radiology (ISNR) 2019; 31<sup>st</sup> October - 3<sup>rd</sup> November 2019, AIIMS, New Delhi

**Invited Lectures**

1. Concepts and pearls in Spine Imaging. 2nd Radiology Refresher course; 14<sup>th</sup> April 2019, Department of Diagnostic and Interventional Radiology, AIIMS Jodhpur.
2. Neuro perfusion (CT perfusion and it's surrogate In imaging of acute ischemic stroke). SOMATOM India Summit 2019; 25<sup>th</sup> May 2019, Siemens Healthineers, New Delhi.
3. Posterior fossa tumors in Paediatric Population. Dr. Mahadevan Pillai Memorial CME 2019; 4<sup>th</sup> August 2019, NIMHANS Bangalore

4. Imaging in Headache. Knowledge Forum Jodhpur 2019; 7<sup>th</sup> September 2019, Jodhpur
5. Imaging in Paediatric Leukodystrophy. 1<sup>st</sup> ISPR outreach Programme; 8<sup>th</sup> December 2019, Department of Diagnostic and Interventional Radiology, AIIMS Jodhpur.
6. Approach to Paediatric white matter disease. 2<sup>nd</sup> ISPR outreach Programme; 9<sup>th</sup> February 2020, Department of Radiodiagnosis, AIIMS Patna.
7. "Approach to Adult brain tumors" & "Concepts and pearls in Spine Imaging". 3<sup>rd</sup> Radiology Refresher course; 14<sup>th</sup> February 2020, Department of Diagnostic and Interventional Radiology, AIIMS Jodhpur

#### **Resource faculty:**

1. Invited as a faculty to conduct a workshop on "basic radiology for surgeons" on 18/10/2019, in annual conference of the association of surgeons of india- Rajasthan chapter (ASIRAJ-2019) conducted at AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator**

1. Comparative analysis of Arterial Spin Labeling and Dynamic Susceptibility Contrast Perfusion Imaging in Brain Neoplasms. Non-Funded
2. Prospective study analyzing the changes in radiological, neurological and cognitive functioning of the patients undergoing stereotactic radiosurgery or hypo fractionated stereotactic radiotherapy of brain. Non-Funded
3. Evaluation of various parameters and complication of Diagnostic cerebral angiography. Non-Funded
4. Multiphase computed tomography angiography and computed tomography perfusion in evaluation of patients with acute ischemic stroke. Non-Funded
5. Clinico-radiological profile and therapeutic outcome of superficial vascular malformation. Non-Funded
6. Study of water swallowing test among stroke patients and its effect on prognosis. Non-Funded

##### **Completed:**

##### **As Co-Investigator**

1. Role of magnetic resonance imaging and magnetic resonance venography in evaluation of cerebral venous thrombosis".

#### **Membership/Post in Journal or Society or Association**

1. Member; European society of Neuroradiology
2. Member; American society of Neuroradiology
3. Member; Indian society of Neuroradiology
4. Member; Society of Therapeutic Neurointerventions
5. Member; Indian Radiological and Imaging Association

#### **National/ International Conferences attended:**

1. Dr.Mahadevan Pillai- ISNR midterm CME on Neuro-oncology: The Alpha and Omega, Department of Neuroimaging and Interventional radiology, NIMHANS, Bangalore, 4<sup>th</sup> August 2019.
2. Goa Monsoon Meet, INIF, 22<sup>nd</sup> - 25<sup>th</sup> August 2019
3. 21<sup>st</sup> Annual conference of Indian society of Neuroradiology, New Delhi, 31<sup>st</sup> October - 3<sup>rd</sup> November 2019
4. Stroke and Neurovascular Master Class ANVI 2019, 23<sup>rd</sup> - 24<sup>th</sup> November 2019.
5. 2<sup>nd</sup> Indian Society of Pediatric Radiology (ISPR), AIIMS Patna, 9<sup>th</sup> February 2020.



### Workshops/Conferences Organized

2. 2<sup>nd</sup> Radiology Refresher Course. AIIMS Jodhpur; 13<sup>th</sup> -14<sup>th</sup> April 2019. The theme was "Exam-oriented Course for Post-Graduate Radiology Students".



Organizing team 2<sup>nd</sup> Radiology Refresher Course

3. 1<sup>st</sup> AIIMS jodhpur neuroradiology update, AIIMS Jodhpur; 16<sup>th</sup> -17<sup>th</sup> December 2019. The focus was on "neurointerventions".

Organizing team 1<sup>st</sup> AIIMS Jodhpur neuroradiology update on neurointerventions

- 1<sup>st</sup> Indian society of Paediatric Radiology (ISPR) outreach programme (one day CME). ISPR and Department of diagnostic and interventional radiology, AIIMS Jodhpur, 8<sup>th</sup> December 2019. The focus was on "Paediatric radiology".



Enthusiastic participants of the 1<sup>st</sup> Indian society of Paediatric Radiology (ISPR) outreach programme

- 3<sup>rd</sup> Radiology Refresher course - An exam-oriented course for Post-Graduate radiology students. AIIMS Jodhpur, 14<sup>th</sup> -15<sup>th</sup> February 2020.



The enthusiastic organizers and participants of the 3<sup>rd</sup> Radiology Refresher Course, AIIMS Jodhpur

6. To enlighten about vascular diseases like PVD and stroke: Public awareness camp. Department of CTVS and Medicine, village Sirana, Pali, 15<sup>th</sup> Dec 2019.



The energetic team, public awareness camp on Stroke prevention, Village Sirana, Pali

7. CME on Peripheral Arterial Disease (PAD). Department of Diagnostic & Interventional Radiology, AIIMS, Jodhpur & Association of Physician of India, Jodhpur Chapter, Hotel Zone by the Park, 27<sup>th</sup> July 2019

#### **Eminent Visitors:**

1. Dr Shyamkumar N K, Professor and Head, Department of Interventional Radiology, CMC Vellore, visited the department as a guest faculty in March 2020.
2. Dr Paramjit, Professor, Department of Radio diagnosis, PGIMER, Chandigarh visited the department as a guest faculty in 2019.
3. Dr. Vivek Gupta, Ex-Professor, Department of Radio diagnosis PGIMER, Chandigarh visited the department as a guest faculty in 2019.
4. Dr Aravinda HR, Additional Professor, Department of Neuroimaging, NIMHANS, Banglaur visited the department as a guest faculty in 2019.

#### **Any other Information:**

##### **Classical cases uploaded on AJNR by our residents**

1. Large anterior temporal Virchow-Robin Space- Virendra Kumar Meena, Binit Sureka & Sarbesh Tiwari. Appeared on "Classic case section" of American journal of neuroradiology (AJNR) on 3<sup>rd</sup> June 2019.
2. Hypoglycemic encephalopathy- by Sayani Mahal, Sarbesh Tiwari, Pushpinder S Khera, Pawan Garg, Jaya Pamnani. Appeared on "Case of the Week section" of American journal of neuroradiology (AJNR) on 12<sup>th</sup> March 2020.

## Department of Endocrinology & Metabolism

S.No.	Name	Designation
1	Mahendra Kumar Garg	Professor and Head
2	Madhukar Mittal	Additional professor
3	Ravindra Shukla	Associate Professor

### About the Department:

The Department of Endocrinology and Metabolism started in May 2016 as a referral centre for Endocrine and Metabolic disorders in Western Rajasthan. The disorders treated include diabetes, thyroid disorders, obesity, osteoporosis and other disorders of bone and mineral metabolism, disorders of growth, pubertal development and sexual differentiation, pituitary-adrenal disorders and other metabolic and syndromic diseases.

The Department runs Endocrine and Diabetes Clinic with comprehensive management of various Endocrine disorders including Diabetes mellitus on Monday, Tuesday, Wednesday and Friday. On Thursday patients of Thyroid disorders are seen. The department runs specialty Pituitary clinic 2 to 5 pm on Wednesday.

There is indoor facility where dynamic tests like, HDDDST, water deprivation test, Saline infusion tests, glucagon stimulation test, Growth hormone stimulation tests are done. These tests required patients to be referred to AIIMS Delhi earlier.

In future with aim of comprehensive diabetes care, diabetes foot care clinic with focus on high risk diabetes foot and secondary preventive facilities will be started. There is plan to develop integrated nutrition for diabetes and obesity management. With acquiring of DEXA machine and availability of bone turnover markers, there is plan to start metabolic Bone disease clinic with focus on osteoporosis. The department aims to complete research projects (detailed below).

There is long term aim to establish leadership both in clinical and cutting edge basic research in arenas of metabolism, pituitary and bone disorders. There is aim to establish dedicated Type 1 Diabetes clinic, Pediatric Endocrinology clinic covering pubertal and growth disorders, Obesity Clinic and Reproductive Endocrinology Clinic. The department aims to expand its base and scope with interdepartmental coordination and collaboration. Thyroid ultrasound with Fine Needle Aspiration, autonomic function testing in diabetes patients, diabetic foot care lab, advanced hormonal assay lab, Diabetes Technology (including CGMS, RTGS, nonprick glucometers) lab would help in developing a department providing adequate teaching facilities for DM students, patient care and research.

### Academic Achievements:

1. The department started DM (Endocrinology) course with 2 seats in July 2019 session. The DM (Endocrinology) seats were increased to 4 in subsequent academic committee meeting.
2. Journal Club is held every Thursday. Seminar and Case review is held weekly

**Name of Faculty: Dr Madhukar Mittal**

**Designation: Additional Professor**

### Books/Chapters

1. Mittal M, Ganakumar V, Shukla R, Garg MK. Thyroid Nodule: Approach and Management. In: Goiter- Causes and Treatment, Agarwal NK (editor), 1<sup>st</sup> edition, London, IntechOpen 2020 Mar 13;1-17.

**Symposium Speaker:**

1. Original or Artificial Sweetener – What is good for Diabetes mellitus. 3<sup>rd</sup> Diabetes Thyroid Hormone and Endocrine Update; 18-19<sup>th</sup> Jan 2020, Udaipur
2. Alpha Beta Crosstalk. 49<sup>th</sup> Annual Conference of Endocrine Society of India (ESICON); 22<sup>nd</sup>-24<sup>th</sup> Nov 2019, Nagpur

**Resource Faculty:**

1. Expert Observer. 3<sup>rd</sup> Annual Update of Endocrine Enrichment Programme; 8<sup>th</sup> -9<sup>th</sup> Feb 2020, Kolkata.

**Research Project:****Ongoing:****As Co-Principal Investigator**

1. Development and clinical validation of markers for a point of care diagnostic kit for diabetic nephropathy. BIRAC (DBT), CSIR-IITR Lucknow

**Membership/Post in Journal or Society or Association :**

1. Member; The Endocrine Society
2. Member; European Association for the Study of Diabetes (EASD)
3. Member; American Association of Clinical Endocrinologists (AACE)

**National/ International Conferences attended:**

1. 49<sup>th</sup> Annual Conference of Endocrine Society of India (ESICON), Endocrine Society of India, Nagpur; 22<sup>nd</sup>-24<sup>th</sup> Nov 2019

**Name of Faculty: Dr Ravindra Shukla**

**Designation: Associate Professor**

**Books/Chapters :**

1. Adipose tissue dysfunction in obesity, diabetes and vascular diseases Diabetes Update 2019 Vol-V
2. Mittal M, Ganakumar V, Shukla R, Garg MK. Thyroid Nodule: Approach and Management. In: Goiter- Causes and Treatment, Agarwal NK (editor), 1<sup>st</sup> edition, London, IntechOpen 2020 Mar 13;1-17.

**Sessions Chaired:**

1. Free paper session. 47<sup>th</sup> Annual Meeting of Research Society for the Study of Diabetes in India; 7<sup>th</sup> – 10<sup>th</sup> Nov 2019, Jaipur Exhibition and Convention Centre, Jaipur

**Symposium Speaker:**

1. Deceased Heart rate variability: Does it predict metabolic syndrome? 5<sup>th</sup> World Congress on Chronomedicine (WCC); 18<sup>th</sup> - 19<sup>th</sup> October 2019, AIIMS Rishikesh

**Research Projects:****Completed:****As Principal Investigator**

1. Role of perforin in metabolic inflammation: A comparative study

**As Co-Investigator**

1. A case control study of circulating GDF-15, miRNAs (21, 181b) and PBMs Smad7 in obese pre-diabetics and type 2 diabetics (Intra-mural, Department of Biochemistry)
2. Correlation of N-gal with degree of albuminuria in patients of Type Diabetes Mellitus (Department of Nephrology)
3. Magnesium supplementation in vitamin D deficiency (Department of General Medicine)
4. Role of circulating endothelial progenitor cells with endothelial function metabolic syndrome (Department of Pharmacology)

**Scientific awards**

1. Fellowship in Islet Transplant under Prof. Bo Goran Ericzon Karolinska Institute Huddinge Stockholm Sweden and lab observership under Prof. Olle Korsgren Rudbeck Laboratory Uppsala University; 01<sup>st</sup> – 24<sup>th</sup> December 2019, Sweden
2. Clinical fellowship in Islet allotransplant programme under Prof James Shapiro; University Hospitals University of Alberta (UoA), Edmonton, Canada.
3. Travel Grant: “Genetic defects in MODY: molecular pathway as therapeutic target” 1000USD travel grant

**Membership/ Post in Journal or Society or Association:**

1. Member; Endocrine Society Of India
2. Member; European Society for Endocrinology
3. Member; The Endocrine Society
4. Member; American Association for Clinical Endocrinologists

**Any other information:**

1. Public Lecture on Diabetes Education at LT-1 AIIMS Jodhpur

## Department of Forensic Medicine and Toxicology

S.No.	Name	Designation
1	Dr Puneet Setia	Additional Professor
2	Dr Tanuj Kanchan	Additional Professor
3	Dr Raghvendra Singh Shekhawat	Assistant Professor
4	Dr Vikas Meshram	Assistant Professor

### About the Department:

The department of Forensic Medicine and Toxicology at AIIMS, Jodhpur is actively involved in teaching and training of MBBS and B.Sc. nursing students. The undergraduate and postgraduate students regularly visit Regional Forensic Science Laboratory (RFSL), Jodhpur so that they can have an understanding of an integrated approach towards crime investigation process. Innovative methods of teaching like small group teaching, use of clickers, moot courts, panel discussions, etc. are employed to make the learning process easier for the students. At present, six postgraduates and two PhD are pursuing their respective courses in the department. The department is one of its kind where ten days mandatory posting is required by the interns to complete. The mortuary complex is fully functional, and printed autopsy reports are generated utilizing the in-house software. Last year, 108 medicolegal autopsies were conducted. The department also offers crime scene visits as and when required by the law enforcement agencies. The department also operates a Clinical Forensic unit in the Emergency and Trauma premises which runs on a 24x7 basis. Last, year 752 medicolegal cases were dealt. Clinical services also include comprehensive services to the survivors of sexual violence. The department has gained a reputation of a referral centre for dispensing expert opinion on cases forwarded by Police, State Level Commissions and Honorable Courts. The faculty are involved as members of Medical Boards for disability assessment and recruitment issues.

The department is making significant progress in the research field. At present, there are eleven intramural and one extramural project going on in the department. Last year, 17 Pubmed indexed, and 10 non-Pubmed indexed articles were published by the various faculty of the department.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

- Facciorusso A, Del Prete V, Buccino VR, Purohit P, Setia P, Muscatiello N. Diagnostic yield of Franseen and Fork-Tip biopsy needles for endoscopic ultrasound-guided tissue acquisition: a meta-analysis. *Endoscopy international open*. 2019 Oct;7(10):E1221-30.
- Kaur P, Krishan K, Sharma SK, Kanchan T. ATM Card Cloning and Ethical Considerations. *Sci Eng Ethics* 2019;25(5):1311–1320
- Kanchan T, Krishan K. The Leiden Manifesto and Research Assessment. *Sci Eng Ethics* 2019;25(2):643–644
- Krishan K, Kanchan T. Open Centres for Journalology in Universities and Institutions. *Sci Eng Ethics* 2019;25(4):1259–1260
- Kanchan T, Atreya A, Krishan K. Preserved Ligature Mark in Postmortem Decapitation. *Med Leg J* 2019; 87(2): 94-96
- Tandon A, Kanchan T, Atreya A, Tandon A. Perceptions of Medical Students Towards Autopsy Teaching and Its Significance. *Med Sci Law* 2019; 59(3): 143-148
- Ateriya N, Shedge R, Saraf A, Kanchan T. Detection of Blood and DNA Traces After Thermal Exposure: A Critical Appraisal. *Int J Legal Med* 2019; 133(5): 1409
- Tandon A, Kanchan T, Tandon A. The poison we breathe. *Lancet* 2020 01;395(10221):e18.
- Chatterjee PM, Krishan K, Singh RK, Kanchan T. Sex determination by discriminant function analysis using the human tibia in a Central Indian population. *Med Sci Law* 2019; 59(3):171–179

10. Nirenberg MS, Ansert E, Krishan K, Kanchan T. Two-dimensional linear analysis of dynamic bare footprints: A comparison of measurement techniques. *Sci Justice* 2019; 59(5):552–557
11. Singh B, Krishan K, Kaur K, Kanchan T. Different predictive and accuracy models for sex and stature estimation from second- and fourth-digit lengths in the Kinnaur population of Himachal Pradesh, North India: Medico-legal and forensic implications. *Med Sci Law* 2019; 59(3):149–159
12. Nirenberg MS, Ansert E, Krishan K, Kanchan T. Two-dimensional metric comparisons between dynamic bare footprints and insole foot impressions-forensic implications. *Sci Justice* 2020; 60(2):145–150
13. Mukhra R, Krishan K, Nirenberg MS, Ansert E, Kanchan T. Comparative analysis of static and dynamic bare footprint dimensions in a north Indian population. *Forensic Sci Int* 2020;308:110169
14. Ateriya N, Meshram VP, Kanchan T, Saraf A, Shekhawat RS, Malik S. Metallization at the Exit Wound-An Unusual Finding in Fatal Electrocution. *J Forensic Sci* 2020; 65(1): 318-322
15. Ateriya N, Saraf A, Shekhawat RS, Meshram V. The development of a post-mortem interval estimation for human remains found on land in the Netherlands, yet some facts need further exploration. *International Journal of Legal Medicine*. 2019;133(4):1147.
16. Kulkarni C, Mohite S, Meshram V. Unplanned complex suicide by self-stabbing and rail suicide- A case report and review of literature. *Am J Forensic Med Pathol*.2020;41(1):78-80.
17. Khartade HK, Meshram VP, Tumram NK, Parchake MB, Pathak HM. Fatal Aspiration of Barium Sulphate in a Case of Myasthenia Gravis: A Case Report and Review of Literature. *J Forensic Sci*. 2020. Online ahead of print.

#### Non-Pubmed Indexed:

1. Kanchan T. Predatory publishing – A cautionary for researchers. *J Indian Acad Forensic Med* 2019;41(1):1.
2. Kanchan T. Selecting a journal for one's scholarly work – What is in the name? *J Indian Acad Forensic Med* 2019;41(2):85.
3. Kanchan T. Rank and impact of forensic journals – Where do we stand? *J Indian Acad Forensic Med*. 2019;41(3):153.
4. Nepal S, Atreya A, Kanchan T. Clinico-epidemiology of Hymenoptera Stings in and around Kaski District, Nepal. *J Lumbini Med Coll*. 2019;7(2):50-55.
5. Kanchan T. Citation and author metrics – A measure of author impact. *J Indian Acad Forensic Med*. 2019;41(4):221-222.
6. Patnana AK, Kanchan T, Vanga NRV, Chugh A, Chugh VK, Krishan K. Estimation of age based on dental developmental stages – Exploring the population specific models *J Indian Acad Forensic Med*. 2019;41(4):245-248
7. Khartade H, Meshram V, Pathak H, Hosmani A. An autopsy study of deaths due to hanging with emphasis on ligature material and periligature injuries. *J Indian Acad Forensic Med*. 2019;41(4):237-40.
8. Ateriya N, Saraf A, Kanchan T, Meshram V P, Shekhawat R S, Setia P. Quadruple hanging: a rare scenario in filicide-suicide. *Egypt J Forensic Sci*.2019;9(1):1-5.
9. Ateriya N, Saraf A, Meshram V, Setia P, Kanchan T, Shekhawat R. Medico-legal Audit: An essential yet ignored aspect of healthcare in India. *J Indian Acad Forensic Med*. 2019;41(1):53-56.
10. Ateriya N, Saraf A, Shedge R, Kanchan T, Setia P , Shekhawat R S. Techniques in Forensic Cytology: The road ahead. *J Indian Acad Forensic Med*. 2019; 41(1): 63-70.

**Name of Faculty: Dr Puneet Setia**

**Designation: Additional Professor & Head**

#### Books/Chapters

1. Medicolegal aspects in Pediatrics. In: *IAP Textbook of Pediatric & Neonatal Emergencies*, Santosh T Soans and Nitin Chawla, 1st Edition, New Delhi and London, Jaypee Brothers Medical Publishers 2020;1-4



**Paper presented**

1. Setia P. Death due to fatal electrocution: A case series. 41st Forensic Medicon 2020, 30th January 2020, The Apollo Medical College, Hyderabad.

**Webinar**

1. Coronavirus Disease 2019. AACCC Learning Lab for Laboratory Medicine on NEJM Knowledge+, Harvard Medical School, March 17,2020
2. Detection and Visibility of Bruises Using Alternate Light: From Science to Practice. Forensic Technology Center of Excellence, National institute of Justice, November 21,2019
3. Rapid and Effective Identification of Organic and Inorganic Gunshot Residues. Forensic Technology Center of Excellence, National institute of Justice, November 21,2019

**Invited Lecture**

1. Designing a contemporary curriculum on sexual offences for UG and PG students. 1st Annual AIIMS Forensic Conclave-2020, 29<sup>th</sup> February – 2<sup>nd</sup> March 2020, AIIMS Rishikesh.

**Resource Faculty/Judge**

1. Documentation and Legal issues in Medical and Dental practice. PAFMATCON 2019, 12th October 2019, Department of Forensic Medicine & Toxicology, Government Medical College & Hospital, Chandigarh.

**Ongoing projects****As Principal Investigator**

1. An observation study analyzing the Post Mortem interval in Human cadavers using autophagy proteins. Indian Council of Medical Research.

**Examinership**

1. 2nd professional MBBS Examination. AIIMS BHOPAL, 16th October 2019.

**National/ International Conferences attended:**

1. 41st Forensic Medicon 2020, The Apollo Medical College, Hyderabad, 30th January 2020.

**Name of Faculty: Dr. Tanuj Kanchan**

**Designation: Additonal Professor**

**Books/Chapters**

1. Shedge R, Krishan K, Warriier V, Kanchan T. Postmortem Changes. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK539741/>
2. Patnana AK, Kanchan T. Tooth Fracture. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK551650/>
3. Shrestha R, Krishan K, Kanchan T. Abrasion. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK554465/>
4. Shrestha R, Kanchan T, Krishan K. Simulation Training and Skill Assessment in Disaster Medicine. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK551719/>
5. Warriier V, Krishan K, Shedge R, Kanchan T. Height Assessment. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK551524/>
6. Rani D, Shrestha R, Kanchan T, Krishan K. Short Stature. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK556031/>
7. Shrestha R, Kanchan T, Krishan K. Gunshot Wounds Forensic Pathology. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK556119/>

- Shrestha R, Kanchan T, Krishan K. Methods Of Estimation Of Time Since Death. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK549867/>

#### **Papers Presented:**

- Kanchan T. Complex suicide: A case with unusual presentations. 59th Annual Conference of National Academy of Medical Sciences (NAMSCON-2019); 11<sup>th</sup> -13<sup>th</sup> October, 2019, AIIMS, Bhopal.
- Kanchan T, Shedje RD, Chugh VK, Chugh A. The Estimation of Sex from Dental Arch Dimensions: An Odontometric Analysis. 72nd Annual Scientific Meeting of the American Academy of Forensic Sciences; 17<sup>th</sup>-22<sup>nd</sup> February 2020, Convention Centre, Anaheim, CA, USA.

#### **Sessions Chaired:**

- Chaired scientific session in the Medico-Legal Conference. Nepal and 10th International IAMLE Conference, September, 12<sup>th</sup> -15<sup>th</sup> 2019, Kathmandu, Nepal from
- Hypoxia, High Altitude, Lead and Biochemistry. 15th Asia-Pacific Federation of Clinical Biochemists APFCB- 2019 Conference; 17<sup>th</sup> - 20<sup>th</sup> November, Jaipur
- Chaired scientific session in the 41st Annual Conference of the Indian Academy of Forensic Medicine, 30<sup>th</sup> January - 1<sup>st</sup> February 2020, Apollo Medical College, Hyderabad

#### **Invited Lectures**

- Plagiarism- A menace in research, Medico-Legal Conference. Nepal and 10th International IAMLE Conference; 12<sup>th</sup> -15<sup>th</sup> September 2019, Kathmandu, Nepal

#### **Resource Faculty:**

- CBRN Forensics Workshop. INMAS, DRDO, Delhi (Organized jointly by INMAS DRDO & AIIMS); 22<sup>nd</sup> May 2019, New Delhi

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

- Characterization of organ specific microRNA expression in human tissues: A pilot study . Intramural
- Age estimation using developmental stages of teeth—A radiological investigation in North Western populatin.
- Sex Estimation from Dental Pulp Cytology: A Time-based study
- Dental age estimation using third molar maturation: A Systematic Review
- Skeletal age estimation from pubic symphysis: A systematic review of the Suchey-Brooks method

##### **Completed:**

##### **As Principal Investigator**

- Knowledge and awareness of Medical Professional about Journal Categorization.
- Knowledge, Attitude and Practice (KAP) of medical professionals on euthanasia- A study from a tertiary care center in India.
- Histopathology of ligature mark in hanging

##### **Examinership**

- II MBBS University Practical examinations. Department of Forensic Medicine, Karwar Institute of Medical Sciences, Karwar, Karnataka, 12<sup>th</sup> – 14<sup>th</sup> January 2020.
- II MBBS University Practical examinations. Department of Forensic Medicine, Dr. SN Medical College, Jodhpur, Rajasthan, 21<sup>st</sup> – 23<sup>rd</sup> March 2020.

**Membership/Post in Journal or Society or Association :**

1. Member; National Academy of Medical Sciences (MAMS)
2. Membership; International Association of Coroners and Medical Examiners (IACME)
3. Membership; Asia-Pacific Medico-Legal Agencies

**National/ International Conferences attended:****National:**

1. Interactive meet on New Drugs and Clinical Trials Rules, 2019 at THSTI, NCR Biotech Science Cluster, Faridabad Gurgaon Expressway, Faridabad, 17<sup>th</sup> May 2019
2. One-day regional training programme for admin users of PDS (URKUND) at MGMIHS, Navi Mumbai, 29<sup>th</sup> August 2019.
3. International Summit on Humanitarian Forensics at GFSU, Gandhinagar, Gujarat, 5<sup>th</sup> - 7<sup>th</sup> Sept 2019.
4. 59th Annual Conference of National Academy of Medical Sciences (NAMSCON-2019) at AIIMS, Bhopal, 11<sup>th</sup> -13<sup>th</sup> October, 2019.
5. 15th Asia-Pacific Federation of Clinical Biochemists APFCB- 2019 Conference, Jaipur, 17<sup>th</sup> – 20<sup>th</sup> November 2020.
6. Orientation training workshop for PG Certificate in Medical management of CBRNE disasters programme, INMAS, DRDO, Delhi from 26<sup>th</sup> -29<sup>th</sup> November 2019.
7. 41st Annual Conference of the Indian Academy of Forensic Medicine, Apollo Medical College, Hyderabad, 30<sup>th</sup> January – 1<sup>st</sup> February 2020.

**International:**

1. Medico-Legal Conference, Nepal and 10th International IAMLE Conference, Kathmandu, Nepal, 12<sup>th</sup> -15<sup>th</sup> September 2019.
2. 72nd Annual Scientific Meeting of the American Academy of Forensic Sciences held in Convention Centre, Anaheim, CA, USA, 17<sup>th</sup> -22<sup>nd</sup> February 2020.

**Name of Faculty: Dr. Raghvendra Singh Shekhawat**

**Designation: Assistant Professor**

**Papers Presented**

1. Shekhawat, R S. Thanato-biochemistry in Medico-legal practice: Current Updates. 15th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine; 15<sup>th</sup> -20<sup>th</sup> Nov 2019, Jaipur

**Sessions Chaired**

1. Chaired scientific session in the Medico-Legal Conference. Nepal and 10th International IAMLE Conference; 12<sup>th</sup> -15<sup>th</sup> September 2019, Kathmandu, Nepal.

**Research Project****Ongoing****As Principal Investigator**

1. An observation study analyzing the Post Mortem interval in Human cadavers using autophagy proteins, Indian Council of Medical Research.
2. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia. Intramural project
3. A study of histopathological changes in skin secondary to fatal electrocution in autopsy samples
4. Sex Estimation from Dental Pulp Cytology: A Time-based study

**As Co-Investigator**

1. Exploring the role of immunohistochemistry in estimation of wound age. Intramural project

**Completed:**

**As Principal Investigator**

1. Knowledge, Attitude and Practice (KAP) of medical professionals on euthanasia- A study from a tertiary care center in India.

**Membership/Post in Journal or Society or Association :**

1. Member editorial team; Journal of Indian Academy of Forensic Medicine.

**National/ International Conferences attended:**

1. 15th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine, Jaipur, 15<sup>th</sup> -20<sup>th</sup> Nov 2019.
2. Medico-Legal Conference, Nepal and 10th International IAMLE Conference, Kathmandu, Nepal, 12<sup>th</sup> -15<sup>th</sup> September 2019.

**Name of Faculty: Dr. Vikas Meshram**

**Designation: Assistant Professor**

**Papers Presented**

1. Meshram V. Homicide by Electrocution: An Autopsy Case Report. XXII Annual State Conference of Medicolegal Association of Maharashtra "Pravara Juriscon 2019"; 12<sup>th</sup> -13<sup>th</sup> Oct 2019, Pravara Institute of Medical Sciences Loni, Ahmednagar.

**Invited Lectures**

1. Designing a Contemporary Curriculum on Drowning for UG and PG students. 1st Annual AIIMS Forensic Conclave. 29<sup>th</sup> Feb- 2<sup>nd</sup> March 2020, AIIMS Rishikesh.

**Research Project**

**Ongoing**

**As Principal Investigator**

1. Exploring the role of immunohistochemistry in estimation of wound age. Intramural

**As Co-Investigator**

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia. Intramural

**Examinership**

1. Internal Examiner. 2nd Professional MBBS examination. AIIMS Jodhpur. 19<sup>th</sup> -21<sup>st</sup> December 2019
2. Internal Examiner. 2nd Professional MBBS Supplementary examination. AIIMS Jodhpur. 27<sup>th</sup> Feb, 2019.

**Membership/Post in Journal or Society or Association :**

1. Member editorial team; Journal of Indian Academy of Forensic Medicine.

**National/ International Conferences attended:**

1. XXII Annual State Conference of Medicolegal Association of Maharashtra "Pravara Juriscon 2019", Pravara Institute of Medical Sciences Loni, Ahmednagar. 12<sup>th</sup> -13<sup>th</sup> Oct 2019.
2. Forensic Update-IV: Hands-on Workshop on Forensic Histopathology, Department of Forensic Medicine and Toxicology, AIIMS Bhopal. 12<sup>th</sup> - 16<sup>th</sup> Feb 2020.
3. 1st Annual AIIMS Forensic Conclave, Department of Forensic Medicine and Toxicology, AIIMS Rishikesh, 29<sup>th</sup> Feb - 2<sup>nd</sup> March 2020.

## Department of General Medicine

S.No.	Name	Designation
1	Dr M.K.Garg	Professor & HOD
2	Dr Gopal Krishna Bohra	Associate Professor
3	Dr Sakthivadivel V.	Associate Professor
4	Dr Bharat Kumar	Assistant Professor
5	Dr Maya Gopalakrishnan	Assistant Professor
6	Dr Naresh Kumar Midha	Assistant Professor
7	Dr Deepak Kumar	Assistant Professor
8	Dr Satyendra Khichar	Assistant Professor

### About The Department –

Department of General Medicine is one of the most engaged department of AIIMS Jodhpur. Our department caters to more than 500 patients every day in outdoor patient department and emergency department. It provides services to a wide coverage area involving whole of Western Rajasthan and even beyond.

The Department provides outdoor as well indoor services, critical care services (HDU) and emergency medicine services to provide better patient care.

Department has started specialty clinics of Rheumatology, Infectious diseases and Hematology to provide a better approach, treatment and care to the chronic and complicated cases.

Apart from striving to provide best patient care, Department of General Medicine is also actively involved in regular academic activities for teaching of undergraduates and post-graduate students. We are daily providing postgraduate teaching in the form of journal clubs, case presentations, seminars and faculty classes in collaboration with other departments. Our department is also effectively participating in the integrated teaching of undergraduates held every Saturday. It is one of the most dynamic department in the Institute for teaching, patient care and research.

Department has published various research papers in renowned and indexed journals and reported various unusual and interesting cases in last one year. The department believes that the success is due to the quality of the clinical care we provide to patients. The aim of our team is to establish a best department in the patient care, teaching and clinical research.

### Published Papers

#### Pubmed Indexed:

- Shukla R, Garg MK, Mandal B, Devrabhai P. Does increased 11  $\beta$  HSD- 1 activity induce adverse metabolic phenotype only in lean? Clin Endocrinol (Oxf). 2019; 90:849.
- Marwaha RK, Garg MK, Sethuraman G, Gupta N, Mithal A, Dang N et al. Impact of three different daily doses of vitamin D<sub>3</sub> supplementation in healthy school children and adolescents from North India: A single- blind prospective randomized clinical trial. Br J Nutr. 2019;121:538-548
- Marwaha RK, Garg MK, Mithal A, Gupta S, Shukla M, Chadha A. Effect of vitamin D supplementation on bone turnover markers in children & adolescents from North India. IndianJEndocr Metab 2019; 23:27-34.
- Marwaha RK, Garg MK, Mithal A, Dang N, Chadha A, Gupta N. Reference range of random urinary calcium creatinine ratio in North Indian children and adolescents. Ann Pediatr Endocrinol Metab 2019;24:3440

5. Brar KS, Bansal N, Garg MK. The metabolic control with insulin pump use in post-transplant diabetics: An Indian experience. *Paripex - Indian Journal of Research* 2019;8:1-4. ISSN No 2250-1991
6. Menon A, Anayath S, Garg MK, Kapoor R, Pisharody I. The effect of Vitamin D Supplementation on Cardiorespiratory fitness and Muscle strength in adult males undergoing Basic Military Training. *Medical Journal Armed Forces India*. 2020;76:71-76.
7. Garg MK and Mahalle N. Calcium Supplementation: Why, Which, and How? *Indian J Endocrinol Metab* 2019; 23: 387-390
8. Sanchetee P, Sanchetee P, Garg MK. Effect of jain fasting on anthropometric, clinical and biochemical parameters. *Indian J Endocr Metab* 2020;24:187-90.
9. Surekha B, Varshney V, Nag VL, Garg MK and Garg PK et al. Quantitative diffusion-weighted magnetic resonance imaging for prediction of early infection in pancreatic collections: Results of a pilot study. *Saudi J Gastroenterol*. 2020;26(1):20-25
10. Kumar B, Pandit S, Garg MK, Bohra GS. CNS and Choroidal Tuberculoma in IVF Pregnancy. *J Assoc Phys India*. 2020;68(1):95.
11. Meena DS, Bohra GK, Garg MK, Purohit A, Kumar D, Tripathi S, Hypercalcemic encephalopathy as an initial Presentation of multiple myeloma. *Case Reports in Emergency Medicine*. Volume 2020, Article ID 4746865, <https://doi.org/10.1155/2020/4746865>
12. Meena M, Yadav S, Goapakrishnan M, Bohra GS, Garg MK. Cryptogenic occupational tetanus: A Case report FROM Rajasthan. *Indian J Occup Environ Med*. 2020;24:36-8.
13. Meena D, Kumar D, Bohra G K, et al. A 52-Year-Old Female with Multiple Swellings in Both Hands: Idiopathic Calcinosis Cutis. *Cureus*. March 30, 2020; 12(3): e7471.
14. Meena DS, Kumar D, Bohra GK, Garg MK, Midha N, Yadav T, Yadav P. Concurrent Methicillin-resistant *Staphylococcus aureus* septicemia and thyroid abscess in a young male with Dengue. *Infect Disord Drug Targets*. 2020 Mar 12. doi: 10.2174/1871526520666200312160701.
15. Meena DS, Kumar D, Bohra GK, Garg MK, Yadav P, Sharma A et al. Pulmonary Nocardiosis with Aspergillosis in a patient with COPD: A rare co-infection. *IDCases*, e00766, 2020
16. Singh V, Misra AK, Singh M, Midha NK, Kumar B, Ambwani S, et al. An open-label, randomized, 10 weeks prospective study on the efficacy of vitamin D (daily low dose and weekly high dose) in vitamin D deficient patients. *J Family Med Prim Care* 2019; 8:1958-63.
17. Singh V, Misra AK, Singh M, Kumar B, Midha NK, Ambwani S. A prospective, cross-sectional study on association of serum vitamin D level with musculoskeletal symptoms and blood pressure in adult population. *J Family Med Prim Care* 2020;9:1628-32.
18. Samaddara A, Sharma A, Kumar A, Srivastava S, Shrimalia T, Gopalakrishnan M, Bohra GK. Disseminated histoplasmosis in immunocompetent patients from an arid zone in Western India: A case series. *Med Mycol Case Rep*. 2019; 25:49-52. doi: 10.1016/j.mmcr.2019.07.012.
19. Tak V, Kolita JM, Nag VL, Bohra GK, Kumar D. Chronicle of migrant hyperinfective *Strongyloides stercoralis* larvae and associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura. *Access microbiology* 2020;2:2
20. Sharma M, Kumar D, Bohra GK, Meena DS, Bhambu SK. Study of the prevalence of Multidrug-Resistant Pulmonary Tuberculosis (MDR-TB) in Western Rajasthan using line probe assay. *J Family Med Prim Care* 2020;9:1093-7.
21. Meena DS, Kumar D, Bohra GK, Choudhary S. Hypoalbuminemia and generalized edema as an atypical presentation of celiac disease. *J Family Med Prim Care* 2020;9:1206-8
22. Meena DS, Kumar D, Bohra GK, Bhambu SK. A 37-year-old male with unilateral hydronephrosis: A forgotten cause of secondary hypertension. *J Family Med Prim Care* 2020;9:1219-21
23. Choudhary S, Kumar D, Bohra GK, Gupta A, Meena DS, Singh R, Bhambu SK. Clinical evaluation of Acute Febrile Thrombocytopenia in Western Rajasthan - A hospital-based study. *Infect Disord Drug Targets*. 2019; 8
24. Tripathi S, Bhati R, Gopalakrishnan M, Bohra GK, Tiwari S, Panda S, Sahay RR, Yadav PD, Nag VL, Garg MK. Clinical profile and outcome of patients with Crimean Congo haemorrhagic fever: a hospital based observational study from Rajasthan, India. *Trans R Soc Trop Med Hyg*. 2020

25. Meena DS, Sonwal VS, Bohra GK, Balesa J, Rohila AK. Celiac disease with Budd-Chiari syndrome: A rare association. SAGE Open Med Case Rep. 2019;7:2050313X19842697
26. Meena DS, Bohra GK. Primary Sjogren's syndrome presenting as autoimmune cytopenia clinics and practice; VOL. 9 NO. 4 (2019) 109-110
27. Samaddar A, Khan S, Tak V, Sharma A, Nag V, Bohra GK. Mycobacterium chelonae bacteraemia in a patient with myasthenia gravis receiving long-term steroid therapy. Access Microbiology. 1.10.1099/acmi.0.000069.

#### **Non-PubMed Indexed:**

1. Chhabra V, Meena DS, Bohra GK, Midha N, Maheshwari B, Rohilla A. A survey of knowledge, attitude and practice of biomedical waste management among 150 nursing staff working in All Indian Institute of Medical Sciences, Jodhpur. Int J Community Med Public Health 2019;6:3008-13.

### **Name of Faculty: Dr. Mahendra Kumar Garg Designation: Professor and HOD**

#### **Books/Chapters-**

1. Garg MK, Kumar H, Sanchetee S. Diabetes and Cancer. In: 'A Textbook of clinical oncology in the Indian Context. Eds., 1<sup>st</sup> Edition, Printed by Indian Map Service, Jodhpur Vol-I, Chapter 9.17, p1158-69.
2. Mittal M, Garg MK. Thyroid nodule: Approach and management. In: "Goiter - Causes and Treatment", Intech-Open, 10 Lower Thames Street, London, EC3R 6AF, UK. ISBN: 978-1-78985-964-5.

#### **Symposium Speaker**

1. Does reversal buttons for diabetes lies in diet management. UPDAICON 2019; 12<sup>th</sup>-13<sup>th</sup> October, Agra
2. Perioperative management of hyperglycemia. ASIRAJ 2019; 18<sup>th</sup> -20<sup>th</sup> October 2019, Jodhpur
3. Perioperative management of hyperglycemia. NEDSCON 2019; April 2019, Guwahati
4. Myths and facts about diabetes. RSSDI 2019; 7<sup>th</sup> -10<sup>th</sup> Nov 2019, Jaipur

#### **Session Chaired**

1. Diabetes and Cardiovascular disease; How to intervene. AIIMS Jodhpur Cardiology Update 2020; 18<sup>th</sup> – 19<sup>th</sup> January, 2020. AIIMS, Jodhpur

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator**

1. A study of Metabolic Syndrome and its association with Inflammatory Markers & Insulin Resistance in school going children in Western Rajasthan. AIIMS Jodhpur (Pending approval)
2. Prevalence of Vitamin D deficiency in school going children in Western Rajasthan- A cross sectional observational study

#### **Examinership**

1. DM Endocrinology examination as external examiner. at AIIMS New Delhi

#### **National/ International Conferences attended:**

1. 18<sup>th</sup> Annual Conference, Uttar Pradesh Diabetes Association Conference, Oct 2019
2. Annual conference, Association of Surgeons India-Rajasthan Chapter, Oct 2019
3. 24<sup>th</sup> Annual conference, North Eastern Diabetes Society Conference, Guwahati, Nov 2019
4. Research Society for Studies of Diabetes in India, Concepts conferences pvt. Ltd, Jaipur, 7<sup>th</sup> -10<sup>th</sup> Nov 2019

**Name of Faculty: Dr. Gopal Krishana Bohra**

**Designation: Associate Professor**

**Symposium Speaker-**

1. Atypical presentations of anaemia. Knowledge Forum-Medicine Update 2019; September 2019, AIIMS, Jodhpur

**Session Chaired-**

1. ABPM in my clinical practice. AIIMS Jodhpur cardiology update 2019; 18<sup>th</sup> -19<sup>th</sup> January 2020, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Co-Investigator –**

1. Project titled "Expansion of antimicrobial stewardship (AMSP) and infection control program (ICP) of ICMR in secondary care hospitals". Extramural
2. Clinical effectiveness and patient related outcomes of "Treat to target" strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study. Intramural proposal
3. Prevalence of Vitamin D deficiency in school going children in Western Rajasthan- A cross sectional observational study

**Examinership**

1. External examiner for certificate course of Geriatric Medicine. Dr. S. N. Medical College Jodhpur

**National/ International Conferences attended:**

1. National training program on good clinical practices, current regulatory and ethical requirement for conducting clinical trials in India. THSTI/CDSA, Faridabad, 23<sup>rd</sup> -24<sup>th</sup> July 2019
2. 9<sup>th</sup> Annual Clinical Infectious Disease Society of India conference (CIDSCON 2019), 23<sup>rd</sup> -25<sup>th</sup> August 2019, Kochi, Kerala.
3. 12<sup>th</sup> national conference of AIDS society of India-ASICON 2019. Chennai (TN).
4. AIIMS Jodhpur Cardiology Update 2020, AIIMS Jodhpur, 18<sup>th</sup> – 19<sup>th</sup> January 2020.
5. Workshop on Good clinical practice, current regulatory and ethical requirement for conducting clinical trials in India. THSTI/CDSA, Faridabad, 23<sup>rd</sup> -24<sup>th</sup> July 2019.

**Name of Faculty: Dr. Sakthivadivel V.**

**Designation: Associate Professor**

**Membership/Post in Journal or Society or Association :**

1. Life Member; Association of Physician of India

**National/ International Conferences attended:**

1. APICON 2020, Agra, 6<sup>th</sup> Jan - 9<sup>th</sup> Jan 2020
2. ACLS Course, AIIMS Jodhpur, Nov 2019



**Name of Faculty : Dr. Bharat Kumar**

**Designation: Assistant Professor**

**Papers Presented:**

1. Bharat Kumar, Sonu Pandit, M K Garg, G K Bohra. "CNS and Choroidal Tuberculoma in IVF Pregnancy" under Infectious Diseases (Oral Paper). 75th Platinum Jubilee of Annual Conference of the Association of Physicians of India (APICON 2020); 6<sup>th</sup> – 9<sup>th</sup> January 2020, Agra, Uttar Pradesh.
2. Bharat Kumar, Veena S, Sujata Sarangi, M K Garg, G K Bohra. EBV induced AIHA crisis - unveiling hiv infection" (Poster Presentation). 75th Platinum Jubilee of Annual Conference of the Association of Physicians of India (APICON 2020); 6<sup>th</sup> – 9<sup>th</sup> January, 2020; Agra, Uttar Pradesh.
3. Bharat Kumar, Rohit Mathur, Sonu Pandit, S.Veena, Galib Mirza N I, M K Garg. An elderly patient of Takayasu Arteritis presented with hypertensive heart failure. 35th Annual Conference of the Indian Rheumatology Association (IRACON 2019); 5<sup>th</sup> -8<sup>th</sup> December 2019, Puducherry, India.

**Research Project:**

**Ongoing**

**As Principal Investigator**

1. A study of Metabolic Syndrome and its association with Inflammatory Markers & Insulin Resistance in school going children in Western Rajasthan. AIIMS Jodhpur (pending approval)

**Membership/Post in Journal or Society or Association :**

1. Member; American College of Physicians (ACP Number: 03990258)

**National/ International Conferences attended:**

1. 75th Platinum Jubilee of APICON 2020; Agra, Uttar Pradesh, India. 6<sup>th</sup> – 9<sup>th</sup> January 2020.
2. 4th International Diabetes Summit-2020 organized by Chellaram Diabetes Institute, Pune, Maharashtra, 6<sup>th</sup> – 8<sup>th</sup> March 2020
3. 47th Annual Meeting of Research Society for the Study of Diabetes in India (RSSDI 2019), JECC, Jaipur, Rajasthan, 7<sup>th</sup> -10<sup>th</sup> November 2019
4. AIIMS JODHPUR CARDIOLOGY UPDATE - 2020, AIIMS Jodhpur; 18<sup>th</sup> -19<sup>th</sup> January 2020
5. International Society of Blood Transfusion Academy, organized by Department of Transfusion Medicine and Blood Bank, AIIMS Jodhpur, 29<sup>th</sup> – 30<sup>th</sup> November 2019.
6. Knowledge Forum- Medicine Update, September 2019, Jodhpur

**Sessions Chaired**

1. Role of insulin pump in current scenario. Knowledge Forum- Medicine Update; September 2019, AIIMS, Jodhpur

**Name of Faculty : Dr Maya Gopalakrishnan**

**Designation: Assistant Professor**

**Papers Presented:**

1. Gopalakrishnan M, Midha N, Mathur R, Yadav P, Garg MK. Venom-induced consumption coagulopathy due to Echis carinatus sochurecki: A case report from Rajasthan, India, Conference "High Level Meeting

and Workshop on Snakebite in Nepal: The Challenges and the Needs”; 2<sup>nd</sup> – 5<sup>th</sup> August 2019, Kathmandu, Nepal.

2. Gopalakrishnan M, Ravikirti. Virtual Clinical Encounter station in OSCE circuit as a tool for assessing clinical reasoning in undergraduate education: An exploratory study. Medical Education Conference & Workshop (MECON 2020); 23<sup>rd</sup> – 25<sup>th</sup> January 2020, AIIMS, Bhubaneswar.
3. Vijayvergia P, Kumar S, Gopalakrishnan M, Bohra GK. Krait bite mimicking brain death, Conference on “High Level Meeting and Workshop on Snakebite in Nepal: The Challenges and the Needs”; 2<sup>nd</sup> – 5<sup>th</sup> August 2019 Kathmandu, Nepal.
4. Vijayan N, Pandit S, Gopalakrishnan M, Bohra GK, Garg MK. Digital Gangrene as the presenting clinical feature in connective tissue disorders: A case series from Rajasthan. India at Indian Rheumatology Association (IRACON) 2019; 5<sup>th</sup> – 8<sup>th</sup> December 2019, JIPMER, Puducherry.

#### **Sessions Chaired:**

1. Role of Bedside Transfusion Medicine Team Visits: International Society of Blood Transfusion Academy Event on Patient Blood Management. Introducing PBM-Transition from Product to Patient Centric Approach; 29<sup>th</sup> – 30<sup>th</sup> November 2019, AIIMS, Jodhpur
2. Newer Anticoagulants in Atrial Fibrillation. AIIMS JODHPUR Cardiology Update – 2020; 18<sup>th</sup> -19<sup>th</sup> January 2020, AIIMS, Jodhpur.

#### **Symposium Speaker**

1. A crossfire debate on “Attendance in class – A compulsion/ choice”. Medical Education Conference & Workshop (MECON 2020); 23<sup>rd</sup> – 25<sup>th</sup> January 2020, AIIMS, Bhubaneswar.

#### **Resource Faculty:**

1. Medical Education Conference & Workshop (MECON 2020); 23<sup>rd</sup> – 25<sup>th</sup> January 2020, AIIMS, Bhubaneswar.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Clinical effectiveness and patient related outcomes of “Treat to target” strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study. Intramural proposal
2. Exploring Fatigue in Rheumatoid Arthritis: A cross-sectional study. Guide for ICMR proposal for STS 2020

##### **As Co-Investigator**

1. Pilot study on sero-positivity for scrub typhus among cases of acute febrile illness at a tertiary care centre in Western India. Under ethical review

##### **Completed:**

##### **As Co-Investigator:**

1. Clinical audit of Paediatric dengue patient - How good are we doing: A retrospective assessment.

#### **Scientific Awards/Patents**

1. Best Pecha Kucha award. “Virtual Clinical Encounter station in OSCE circuit as a tool for assessing clinical reasoning in undergraduate education: An exploratory study”, Medical Education Conference & Workshop (MECON 2020), AIIMS, Bhubaneswar, 23<sup>rd</sup> – 25<sup>th</sup> January 2020

#### **Examinership**

1. External Examiner for Medicine Final MBBS examination. AIIMS Patna. 19<sup>th</sup> – 22<sup>nd</sup> December 2019, AIIMS, Patna

#### **Membership/Post in Journal or Society or Association :**

1. Member; Association for Medical Education in Europe (AMEE)
2. Member; Royal Society of Tropical Medicine and Hygiene
3. Reviewer; Transactions of Royal Society of Tropical Medicine and Hygiene
4. Reviewer; Medical Teacher Medical Teacher [ISSN: 0142-159X]
5. Reviewer; Journal of Patient Experience [ISSN-2349-4220]
6. Reviewer; Journal of Postgraduate Medicine
7. Reviewer; International journal of advanced medical & health research.

#### **National/ International Conferences attended:**

1. Nominated to attend National Symposium on Poisoning as a Public Health Problem, AIIMS, New Delhi, 26<sup>th</sup> April 2019
2. Third Haematology Update, AIIMS Jodhpur, 28<sup>th</sup> July 2019 (Scientific advisory committee)
3. High Level Meeting and Workshop on Snakebite in Nepal: The Challenges and the Needs. Society of Internal Medicine of Nepal (SIMON), Snakebite Research Centre of the BP Koirala Institute of Health Sciences (Dharan), The Government of Nepal and Ministry of Health and Population, The Epidemiology and Disease Control Division (EDCD) at Kathmandu, Nepal, 2<sup>nd</sup> - 5<sup>th</sup> August 2019
4. 7th National Conference on Pediatric Education at AIIMS Jodhpur. 3<sup>rd</sup> -5<sup>th</sup> November 2019. (Abstract evaluation committee)
5. International Society of Blood Transfusion Academy Event on Patient Blood Management. Introducing PBM-Transition from Product to Patient Centric Approach at AIIMS, Jodhpur (Scientific advisory committee), 29<sup>th</sup> - 30<sup>th</sup> November 2019.
6. AIIMS JODHPUR Cardiology Update – 2020, AIIMS, Jodhpur, 18<sup>th</sup> – 19<sup>th</sup> January 2020.
7. Medical Education Conference & Workshop (MECON 2020) (Invited faculty), AIIMS, Bhubaneswar, 23<sup>rd</sup> – 25<sup>th</sup> January 2020

#### **Training, Workshops and Courses attended**

1. Completed NIDA Clinical Trial Network- Good Clinical Practices Certificate Course, April 2019.
2. Completed “Essentials in Medical Education- Research” towards earning AMEE Certificate in Medical Education Research by Association for Medical Education in Europe (AMEE), May to August 2019.
3. Developing a Protocol for Systematic Reviews - Prof BV Moses Centre for Research & Training in Evidence-Informed, Healthcare and Health Policy, Cochrane South Asia, Christian Medical College, Vellore, May 2019.
4. Theories informing simulation practice -: How can I use theory in my simulation practice? AMEE Webinar series for members, 17<sup>th</sup> October 2019
5. Echo Workshop, AIIMS JODHPUR, AIIMS, Jodhpur, 19<sup>th</sup> January 2020

**Name of Faculty - Dr. Naresh Kumar Midha**

**Designation: Assistant Professor**

#### **Papers Presented:**

1. Gopalakrishnan M, Midha N, Mathur R, Yadav P, Garg MK. Venom-induced consumption coagulopathy due to Echis carinatus sochurecki: A case report from Rajasthan, India. Conference: “High Level Meeting

and Workshop on Snakebite in Nepal: The Challenges and the Needs"; 2<sup>nd</sup> -5<sup>th</sup> August 2019, Kathmandu, Nepal. (Presented by Dr. Maya Gopalakrishnan)

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. To analyse the significance of Ret-Hb as a tool for diagnosis and treatment response in the patients with Iron deficiency anaemia.
2. Clinical effectiveness and patient related outcomes of "Treat to target" strategy in patients of Rheumatoid arthritis patients at AIIMS Jodhpur: A prospective interventional study. Intramural proposal

**National/ International Conferences attended:**

1. Hematology Update, Department of Pathology, AIIMS Jodhpur, 2019
2. Knowledge Forum- Medicine Update, AIIMS, Jodhpur, September 2019
3. 47th Annual Meeting of Research Society for the Study of Diabetes in India (RSSDI 2019), JECC, Jaipur, 7<sup>th</sup>-9<sup>th</sup> November 2019.
4. ReSync 2019 Gastro-Summit, Mumbai, December 2019
5. AIIMS Jodhpur Cardiology Update – 2020, AIIMS, Jodhpur, January 2020.

**Session chaired:**

1. Irritable Bowel Syndrome- an update, Knowledge Forum- Medicine Update, Jodhpur, September 2019
2. Success of Neuro-modulation therapy, IBS - ReSync 2019 Gastro-Summit, Mumbai, December 2019

**Name of Faculty: Dr Deepak Kumar**

**Designation: Assistant Professor**

**Papers Presented:**

1. Sharma M, Kumar D, Bohra GK, Meena DS, Bhambu SK. The Study of prevalence of Multidrug Resistant Pulmonary Tuberculosis (MDR TB) in Western Rajasthan using line probe assay. 9<sup>th</sup> Annual Clinical Infectious Disease Society of India conference (CIDSCON 2019); 23<sup>rd</sup> -25<sup>th</sup> August 2019, Kochi, Kerala.
2. Kumar D, Bohra GK, Meena DS, Bishnoi S. Evaluation of Clinical Profile, Diagnostic Tests, And Prognosis of Cryptococcal Meningitis in HIV Infected Patients in Western India. 12<sup>th</sup> national conference of AIDS society of India-ASICON 2019, Chennai, TN.
3. Tak V, Kolita JM, Nag VL, Bohra GK, Kumar D. Chronicle of migrant hyperinfective Strongyloides stercoralis larvae and associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura. FIS 2019; 11<sup>th</sup> -14<sup>th</sup> November 2019, Edinburgh.

**Sessions Chaired:**

1. Scope of endoscopic surgeries in obesity. RAJISGCON; April 2019, Jodhpur
2. Newer anticoagulant agents. AIIMS Jodhpur Cardiology Update 2020; 18<sup>th</sup> – 19<sup>th</sup> January 2020, AIIMS, Jodhpur.
3. Fungal Outbreaks. 13 National Conference of Society for Indian Human & Animal Mycologists, 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:****As Principal Investigator**

1. Evaluation of role of combined CD64, CD25 and CD69 expression for diagnosis and prognosis of sepsis” – A Hospital Based Observational Prospective Study. Intramural

**As Co-Investigator**

1. Expansion of antimicrobial stewardship (AMSP) and infection control program (ICP) of ICMR in secondary care hospitals. Extramural

**Examinership**

1. BPT, Dr. SN Medical College, Jodhpur, 29<sup>th</sup> May 2019

**Membership/Post in Journal or Society or Association :**

1. Member; Infectious disease society of America
2. Member; Clinical Infectious Disease Society of India
3. Member; Association of physicians of India
4. Member; Indian Academy of Echocardiography
5. Member; International infectious disease society

**National/ International Conferences attended:**

1. National training program on good clinical practices, current regulatory and ethical requirement for conducting clinical trials in India, THSTI/CDSA, Faridabad, 23<sup>rd</sup> -24<sup>th</sup> July 2019
2. Annual Clinical Infectious Disease Society of India conference (CIDSCON 2019), Kochi, Kerala, 23<sup>rd</sup> -25<sup>th</sup> August 2019,.
3. 12<sup>th</sup> national conference of AIDS society of India-ASICON 2019, Chennai,TN, 22<sup>nd</sup> -24<sup>th</sup> November 2019.
4. AIIMS Jodhpur Cardiology Update 2020, AIIMS Jodhpur, 18<sup>th</sup> – 19<sup>th</sup> January 2020.
5. 13<sup>th</sup> National Conference of Society for Indian Human & Animal Mycologists, AIIMS, Jodhpur, 12<sup>th</sup> -15<sup>th</sup> February 2020.
6. Good clinical practice, current regulatory and ethical requirement for conducting clinical trials in India, THSTI/CDSA, Faridabad, 23<sup>rd</sup>-24<sup>th</sup> July 2019.

**Name of Faculty : Dr. Satyendra Khichar**

**Designation: Assistant Professor**

**Resource Faculty**

1. Cardiology Quiz. AIIMS Jodhpur Cardiology Update; 18<sup>th</sup> -19<sup>th</sup> January 2020, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

1. Prevalence of Vitamin D deficiency in school going children in Western Rajasthan- A cross sectional observational study. AIIMS Jodhpur

**National/ International Conferences attended:**

1. Hematology update, AIIMS, Jodhpur, 28<sup>th</sup> July 2019
2. AIIMS Jodhpur Cardiology Update 2020, AIIMS Jodhpur, 18<sup>th</sup> – 19<sup>th</sup> January 2020.

### Workshops/ Conferences Organized

1. Third Haematology Update, AIIMS Jodhpur, 28<sup>th</sup> July 2019

### Any other information

1. The department successfully organised third haematology update in which experts were invited from all over the country from esteemed institutions. Clinicians and pathologists from all over Rajasthan benefited from their knowledge. Various pioneer in haematology in India attended the conference and gave deep insights on the subject. Stalwarts in the field of haematology Dr. M.B. Agrawal and Dr Hemant Malhotra shared their experiences in the field of haematology and. Dr Sudhir Mehta, Dr. Narendra Tejwani, Dr. Devendra Laddha, Dr.Venkatesan and Dr.Mukul Agrawal also shed light on various haematological disorders.

## HAEMATOLOGY UPDATES 2019



Scientific sessions in progress

### Eminent Visitors-

1. Dr.O.C. Abraham, Professor and HOD Department of Internal Medicine & Infectious diseases, president of CIDS: - Interactive lecture of infectious diseases- a case based discussion.

## Department of General Surgery

S.No.	Name	Designation
1	Dr. Ashok Puranik	Professor & Head
2	Dr. Naveen Sharma	Professor
3	Dr. Ramkaran Chaudhary	Additional Professor
4	Dr. Mahendra Lodha	Associate Professor
5	Dr. Satya Prakash Meena	Assistant Professor
6	Dr. Mayank Badkur	Assistant Professor
7	Dr. Mahaveer Singh Rodha	Additional Professor (Trauma and Emergency)

### About the Department

The Department of General Surgery is running to its fullest capacity with 80% bed occupancy. The clinical workload has also observed an increase of 25%. We are witnessing an upsurge and influx of large number of patient attendance in our elective and emergency admissions.

Faculty members of the Department have expertise in advanced laparoscopy and trauma care. Elective operation theatres are operational five days a week. Our emergency operation theatre has witnessed large number of life and limb saving surgeries and is usually running busy. Breast surgery, Hernia Surgery, Venous Surgery and many Gastrointestinal Surgeries are being done in a frequent manner. This year witnessed Robotic Surgery and Bariatric Surgery in full swing, Thoracic Surgeries (Elective and Trauma) also increased in number.

Undergraduate teaching is one of the core focus area of our Department. Department has incorporated Interdepartmental Integrated Teaching and UNCLE teaching methods along with lectures for Undergraduate surgery teaching. Daily clinical teaching in OPD and in wards (Bed side clinical teaching) is being conducted regularly. Students and interns are also being exposed to basic instruments, OT etiquettes, basic surgical skills like knotting exercises and suturing, minor surgical care. Incision and drainage of abscess and excision of simple cyst / lipoma, in growing toe nail excision, suturing of lacerated wound etc. is also being imparted in the training of interns in the Department.

Total 21 students are pursuing post-graduation in General Surgery at present. The Department also conducts post graduate teaching sessions like Seminars, symposium, Journal club and case presentations regularly. These sessions also involve senior residents working in our Department which gives them opportunity to hone their teaching abilities. We also have started Radiology integrated discussion classes along with Department of Radiodiagnosis, intradepartmental Quality Improvement Meetings and surgical audit to critically analyze the patient management to bring out strategies and quality care.

Department is actively involves in research covering great spectrum of patients and disease elements.

Department has conducted many academic activities this year like Skill courses on Wound healing on 04.02.2020, Advanced Wound Dressing, Stoma Care on 29.02.2020, CME on Trauma Update and Protocol Meeting for Trauma and Emergency on 09.04.2019, ICCES Advanced Ultrasound Trauma Life Support Course (AULTS) on 10.04.2019. Workshop on Initial Management of Trauma on 04.05.2019. Hands on workshop on Basic Radiology & Ultrasound for Surgeons and Minimal Invasive Surgery on 18.10.2019.

Our Department is now a board certified exam center for DNB General Surgery examination and also we are now an approved site for ATLS provider course. This year, it was an honor for the Department that Dr. Sanjeev Misra inaugurated the Annual Conference of The Association of Surgeons of India - Rajasthan Chapter, which was organized during 19<sup>th</sup> & 20<sup>th</sup> Oct 2019. Dr. M. C. Mishra also visited the Department to chair the Workshop on Initial Management of Trauma and also during the 1<sup>st</sup> ATLS provider Course. Department has also organized a breast cancer awareness campaign for 15 days from 10th to 25th October 2019 during Breast Cancer Awareness Month in General Surgery OPD. Many other nationally prominent faculties also visited the department during various activities and inspired our young surgeons.

**Compiled list of Publications of the department****Pubmed Indexed:**

1. Khera S, Elhence P, Bagga N, Garg P, Choudhary R. Sialolipoma of Parotid Gland: a Lesser Known Entity. Indian Journal of Surgery. 2019;82(1):90-92.
2. Kala PC, Sahu RK, Choudhary R, Puranik A. Recalcitrant desmoid tumor of the abdominal wall: A reconstructive dilemma. Turk J Plast Surg. 2019;27:36-8
3. Chilkoti GT, Kumar M, Mohta M, Saxena AK, Sharma N, Singh J. Comparison of postoperative analgesic efficacy of low-dose bolus intravenous dexmedetomidine and intraperitoneal dexmedetomidine with bupivacaine in patients undergoing laparoscopic cholecystectomy: A randomised, controlled trial. Indian J Anaesth. 2019 Feb;63(2):106-113.

**Non-Pubmed Indexed:**

1. Lodha M, Rulaniya SK, Puranik A, Lal C, Parihar YK. Study to assess the outcome of time gap between onset of symptoms and surgery in cases of acute appendicitis at tertiary care hospital. Indian J Res. 2019; 7 (11) : 64-6.
2. Kala PC, Sahu RK, Bishnoi JR et al. A Case of Giant Squamous Cell Carcinoma Buttock Arising from Hidradenitis Suppurativa: an Unusual Presentation. Indian J Surg. 2019; 81: 496–498
3. Kala P, Sahu RK, Choudhary R, Puranik A. Recalcitrant desmoid tumor of the abdominal wall: A reconstructive dilemma. Turk J Plast Surg. 2019; 27: 36-8.
4. Vishnoi JR, Jain A, Misra S. et al. Paraneoplastic Syndrome Associated with the Retroperitoneal Dedifferentiated Liposarcoma: an Atypical Presentation and Review of the Literature. Indian J Surg Oncol . 2019; 10 (4): 703-7
5. Meena SP et al. Endometriosis –Rare Cause of Small Bowel Obstruction. Int J Cur Adv Res. 2019; 08(11): 20528-30.
6. Gupta G, Badkur M. A new concept to treat horse shoe fistula in Ano. Int J Sci Res 2019;8(6):21-22.
7. Badkur M, Ram S, Patel S, Gupta A. Comparison between continuous vs. interrupted x-suture for midline laparotomy wound closure. Gen Surg: Open Access. 2020;3(1):12-14.
8. Agrawal N, Patel S, Badkur M. Three delay model: To find out the reason for maternal deaths. Int J Res Med Sci 2020; 8:1273-6.
9. Chaudhary R, Chauhan N, Garg P, Purnaik A. Role of BPH in respiratory Disease: Experience at Tertiary care centre in western India. Respiriology. 2019; 24: 147.

**Name of Faculty: Dr. Ashok Puranik**

**Designation: Professor & Head**

**Books/Chapters**

1. Dr. A. K. Puranik. Hemorrhoid, Anal Fissure, Fistula in Ano, Pilonidal Sinus. Text Book of Emergency and Trauma Care. Devendra Richhariya, 2<sup>nd</sup> Edition. Delhi. J.P. Publication March 2020; 42-78.

**Sessions Chaired:**

1. Complication of LSG - Video Session on LSG, International Bariatric club Oxford Congress, 1<sup>st</sup> April to 4<sup>th</sup> April 2019, England.
2. Novel technique, World Congress of Surgery WCS 2019, 11 to 15 August 2019. Krakow, Poland.
3. Second best operative video, ASICON-2019, 18 to 21 December 2019. Bhubaneswar.
4. Diabetic foot Ulcer, XXI National Conference of Indian Society of Wound Management, "WOUNDCON-2019, 14 to 18 November 2019, AIIMS, Rishikesh.

**Resource Faculty:**

1. CME on Trauma update & Ultrasound workshop AUTLS, 9 to 10 April 2019, AIIMS, Jodhpur.



**Research Project:****Ongoing:****As Co-Investigator**

1. Knowledge, Attitude, Practice and behaviour regarding Breast Cancer and its Prevention among females coming to surgery OPD at AIIMS Jodhpur.
2. Comparative study of open and laparoscopic ventral hernia repair: A prospective single center study at AIIMS Jodhpur.

**Scientific Awards/Patents:**

1. Mentor, Completion of Mentoring Program, JIPMER Research Leadership Mentoring Program (JRLMP-3), November 2019- February 2020.

**Examinership:**

1. MBBS Batch 2015, AIIMS, Jodhpur, 17<sup>th</sup> October 2019.
2. Expert for Selection of Faculty Member, GIMs, Noida, 3<sup>rd</sup> - 4<sup>th</sup> June 2019.
3. MS General Surgery, Armed Forces Medical College, Pune, 13<sup>th</sup> – 14<sup>th</sup> June 2019.
4. MS General Surgery, KIMS Kalinga, 2<sup>nd</sup> – 3<sup>rd</sup> March 2020.

**Membership/Post in Journal or Society or Association : 1.**

1. Member; Indian Medical Association
2. Member; Association of Surgeons of India
3. Member; Association of Minimal Access Surgeons of India
4. Member; Indian Association of Gastrointestinal Endoscopic Surgeons
5. Member; Society of Endoscopic and Laparoscopic Surgeons of India
6. Member; Indian Society for Trauma and Acute Care

**Name of Faculty: Dr. Naveen Sharma**

**Designation: Professor**

**Sessions Chaired:**

1. Plenary session II. ICPN 2020. 25<sup>th</sup> -27<sup>th</sup> Feb 2020, AIIMS Jodhpur
2. SIHAM 2020. 13<sup>th</sup> Feb 2020, AIIMS Jodhpur
3. Trauma and Critical care session. RAJCRITICON. 31<sup>st</sup> August 2019

**Invited Lectures**

1. TAPP Video presentation. ASICON 2019, 16<sup>th</sup>-20<sup>th</sup> December 2019, SOA University Lawns, Bhubaneswar
2. Video Presentation. ICSISCON 2019. October 2019, Mysore

**Resource Faculty:**

1. LHMC Surgery Update. 2<sup>nd</sup> Feb 2020. LHMC New Delhi.
2. Initial Management of Trauma. 4<sup>th</sup> May 2019, AIIMS Jodhpur
3. Pre conference workshop, ASIRAJ 2019, October 2019, AIIMS Jodhpur
4. ISTAC Consensus Meeting for solid organ injury. 18<sup>th</sup> -19<sup>th</sup> Jan, 2020. DELNET, New Delhi
5. NBE assessor for starting DNB (General Surgery) at Military Hospital, Jammu. 17<sup>th</sup> Jan 2020
6. NBE assessor for starting DNB (General Surgery) at Nayati Hospital, Mathura. 3<sup>rd</sup> Feb 2020
7. Course Director, ATLS India (total 7 courses taught; 2 at AIIMS Jodhpur)
8. Trauma Course. Key long, Himachal Pradesh 12<sup>th</sup> -14<sup>th</sup> June 2019

**Research Project:****Ongoing:****As Co-Investigator**

1. Knowledge, Attitude, Practice and behaviour regarding Breast Cancer and its Prevention among females coming to surgery OPD at AIIMS Jodhpur.
2. Comparative study of open and laparoscopic ventral hernia repair: A prospective single center study at AIIMS Jodhpur.

**Examinership**

1. M Ch Trauma and Critical Care. AIIMS New Delhi, May 2019
2. M Ch Trauma and Critical Care. AIIMS New Delhi, December 2019
3. DNB (Gen Surgery), JIPMER Pondicherry, March 2019
4. MBBS, AIIMS Jodhpur, December 2019
5. MBBS, AIIMS Jodhpur, Feb 2020

**Membership/Post in Journal or Society or Association :**

1. Member; Indian Medical Association
2. Member; Association of Surgeons of India
3. Member; Association of Minimal Access Surgeons of India
4. Member; Indian Association of Gastrointestinal Endoscopic Surgeons
5. Member; Society of Endoscopic and Laparoscopic Surgeons of India
6. Member; Indian Society for Trauma and Acute Care

**National/ International Conferences attended:**

1. ASICON 2019, Association Of Surgeons Of India, Bhubaneswar, December 2019
2. ICISCON 2019, International College of Surgeons, Indian chapter, October 2019, Mysore
3. Surgical Congress of the College of Surgeons of Sri Lanka, 22-24 August 2019, Lighthouse, Galle, Sri Lanka

**Name of Faculty: Dr. Ramkaran Chaudhary**

**Designation: Additional Professor**

**Papers Presented:**

1. Ramkaran Chaudhary, Video Presentation on "ROBOTIC TAPP". Hernia Carnival -2020; 5<sup>th</sup> - 7<sup>th</sup> March 2020, Chennai.

**Sessions Chaired:**

1. Bile duct injury, AMASICON-2019; 7<sup>th</sup> – 10<sup>th</sup> October 2019, Nagpur

**Invited Lectures**

1. TAPP, 62nd AMASI Skill Course & FMAS Examination; 11<sup>th</sup> -13<sup>th</sup> April 2019, AIIMS Bhubaneswar.
2. VATS, Vocational Training Team to Mongolia; 4<sup>th</sup> – 17<sup>th</sup> May 2019. Mongolia.
3. CHEST TRAUMA, ATLS provider course. Mahatma Gandhi Medical College; 25<sup>th</sup>–27<sup>th</sup> April 2019, Jaipur.
4. Lead the team of assessors (Team Leader) to conduct research project Titled "A Country Level Gap analysis of the current status of emergency and injury care at Secondary and tertiary care centers in India", 12<sup>th</sup> – 14<sup>th</sup> July 2019. Assessed emergency services at various government and hospitals in an around Jaipur.
5. Cadaveric Emergency Thoracotomy, EMIINDIA-2019 (National Emergency Medicine Conference), 31<sup>st</sup> July – 4<sup>th</sup> August 2019, AIIMS, Delhi.

**Resource Faculty:**

1. Cadaveric Emergency Thoracotomy workshop, EMIINDIA-2019; 31<sup>st</sup> July – 4<sup>th</sup> August 2019, JPNA Trauma Centre, Delhi.

**Examinership**

1. MBBS, Dr SN Medical College, Jodhpur
2. MS General Surgery, Dr SN Medical College, Jodhpur (Rajasthan University of Health Sciences)
3. FMAS (Fellowship of Minimal Access Surgeons of India) Examination, 62nd AMASI Skill Course & FMAS Examination, AIIMS Bhubaneswar, 11<sup>th</sup> -13<sup>th</sup> April 2019.

**National/ International Conferences attended:**

1. Contemporary practices in Surgery; Symposium on Thoracic Surgery- 2019, AIIMS, New Delhi, 20<sup>th</sup> -22<sup>nd</sup> September 2019
2. ATLS, ATLS, MGUMST, Jaipur, 14<sup>th</sup> -16<sup>th</sup> November 2019

**Name of Faculty: Dr. Mahendra Lodha**

**Designation: Associate Professor**

**Books/Chapters****Papers Presented:**

1. Badkur M, Lodha M. Video Presentation on Amyand's hernia: A rare presentation. Annual Conference of the Association of Surgeons of India - Rajasthan Chapter ASIRAJ 2019; 19<sup>th</sup> – 20<sup>th</sup> Oct 2019, AIIMS Jodhpur.
2. Kompally P, Rodha MS, Sharma N, Lodha M. E-Poster on Enhanced view totally extra peritoneal repair of ventral hernia. Association of surgeons in training; 6<sup>th</sup> – 8<sup>th</sup> March 2020, Birmingham, U.K.
3. Sumant S, Puranik AK, Lodha M. E-Poster on Large enigmatic cyst in abdomen. Association of surgeons in training; 6<sup>th</sup> – 8<sup>th</sup> March 2020, Birmingham, U.K..
4. Sumant S, Puranik AK, Lodha M. E-Poster on Irreducible Direct Amyand's hernia –a rare entity. Association of surgeons in training; 6<sup>th</sup> – 8<sup>th</sup> March 2020, Birmingham, U.K.

**Sessions Chaired:**

1. Physiology of Bariatric surgery. during Annual Conference of The Association of Surgeons of India - Rajasthan Chapter during 19th& 20th Oct 2019 held at AIIMS Jodhpur.
2. Neglected fungal infections in 13th National Conference of Society for Indian Human & Animal Mycologists; 12<sup>th</sup> -15<sup>th</sup> Feb 2020, AIIMS Jodhpur

**Invited Lectures**

1. ATLS. Ayurveda University, Karwad, Jodhpur

**Examinership**

1. BPT and undergraduate MBBS exam at Dr. SN Medical College, Jodhpur, Government Medical College, KOTA and SLNB college of Physiotherapy.

**National/ International Conferences attended:**

1. SELSICON-2019. Society of Endolaparoscopic surgeons of India. Delhi
2. AMASICON- 2019. Organised by Association Minimal Access Surgeons of India, Nagpur 6<sup>th</sup>-9<sup>th</sup> Nov 2019.
3. OSSICON-2020, organised by Obesity Surgical Society of India, Delhi; 27<sup>th</sup> -29<sup>th</sup> Feb 2020

4. IAGES-2020, Organised by Indian Association of Gastro endoscopic Surgeons Society. Guwahati from 6<sup>th</sup> -9<sup>th</sup> Feb 2020
5. SAGES-2019, organised by Society of American Gastro endoscopic Surgeons Baltimore USA. 31<sup>st</sup> March 2019
6. ASIRAJ 2019, Organised by Rajasthan Chapter of Association of Surgeons of India, AIIMS Jodhpur, 18<sup>th</sup> - 20<sup>th</sup> October 2019
7. NCSIHAM- 2020. Organised by Department of Microbiology. 13th National Conference of Society for Indian Human & Animal Mycologists, AIIMS Jodhpur, 12<sup>th</sup> -15<sup>th</sup> Feb 2020

**Name of Faculty: Dr. Satya Prakash Meena**  
**Designation: Assistant Professor**

**Books/Chapters**

**Papers Presented:**

1. E-poster. Endometriosis: Rare cause of small bowel obstruction. Annual conference of the Rajasthan State chapter of ASI 'ASIRAJ 2019" on 18-20th October 2019 at AIIMS Jodhpur
2. Video presentation. A rare case report of large trichobezoar and laparoscopic removal. Annual conference of the Rajasthan State chapter of ASI 'ASIRAJ 2019" on 18-20th October 2019 at AIIMS Jodhpur.

**Sessions Chaired:**

1. Judge in paper presentation, Annual conference of the Rajasthan State chapter of ASI 'ASIRAJ 2019"; 18<sup>th</sup> -20<sup>th</sup> October 2019, AIIMS Jodhpur

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Comparative study of open and laparoscopic ventral hernia repair: A prospective single centre study at AIIMS Jodhpur
2. Knowledge, Attitude, practice, and behavior regarding breast cancer and its prevention among females coming to surgery OPD at AIIMS Jodhpur.
3. Significance of clinical test of groin hernia in today's era
4. Study of practice trends of groin hernia surgery in state of Rajasthan.

**Membership/Post in Journal or Society or Association :**

1. Member; Indian Association of Gastrointestinal Endosurgeons ( IAGES )

**National/ International Conferences attended:**

1. As Faculty in National Academy of Burn (NABI-Midterm CME-2019) Plastic surgery Department, AIIMS Jodhpur, 3<sup>rd</sup> -4<sup>th</sup> August 2019
2. 13th Annual conference on Hernia Society of India-2019 (HSICON) Belle Vue Clinic, JW Marriot , Kolkata, 29<sup>th</sup> -31<sup>st</sup> August 2019
3. 13th Annual conference, Rajasthan Association of Minimal Access Surgeons-2019 (RAMAS) Shri Krishan Hospital, Dausa, 7<sup>th</sup> -8<sup>th</sup> September 2019
4. Contemporary Practice Symposium on Thoracic Surgery-2019, AIIMS Delhi, 20<sup>th</sup> -22<sup>nd</sup> September 2019
5. Organizing Member of Annual conference of the Rajasthan State chapter of ASI-2019 (ASIRAJ) AIIMS Jodhpur, 18<sup>th</sup> -20<sup>th</sup> October 2019
6. Workshop on Workplace based assessment, 7th National Conference of Pediatric Education-2019 (NCPE) AIIMS Jodhpur, 3<sup>rd</sup> -5<sup>th</sup> November 2019

**Name of Faculty: Dr. Mayank Badkur**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Badkur M. Video presentation: Colonic injury by trocar insertion: a rare avoidable occurrence. "Bad Day in OR" category. 12th Annual National Conference of Society of Endoscopic & Laparoscopic Surgeons of India SELSICON 2019; 14<sup>th</sup> Sept 2019, Delhi.
2. Badkur M, Lodha M. Video Presentation: Amyand's hernia: A rare presentation. Annual Conference of the Association of Surgeons of India - Rajasthan Chapter ASIRAJ 2019; 19<sup>th</sup>-20<sup>th</sup> Oct 2019, AIIMS Jodhpur.

**Sessions Chaired:**

1. Single Incision Laparoscopic Cholecystectomy. Annual Conference of the Association of Surgeons of India - Rajasthan Chapter; 19<sup>th</sup>- 20<sup>th</sup> Oct 2019, AIIMS Jodhpur.
2. ASOMA fellowship papers (as judge), 3rd Annual conference of Asian Society of Mastology (ASOMACON 2019); 16<sup>th</sup>-17<sup>th</sup> Nov 2019, AIIMS Bhubaneswar, Bhubaneswar.

**Invited Lectures**

1. Master Video on Safe Laparoscopic Peritoneal entry. Annual Conference of the Association of Surgeons of India - Madhya Pradesh chapter MPASICON-2020; 22<sup>nd</sup>-23<sup>rd</sup> Feb 2020, Minto Hall Old Vidhan Sabha, Bhopal.

**Symposium Speaker**

1. Inaugural Function. Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ 2019; 19<sup>th</sup> -20<sup>th</sup> Oct 2019, AIIMS Jodhpur.

**Resource Faculty:**

1. Initial Management of Trauma; 4<sup>th</sup> May 2019, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. Knowledge, Attitude, Practice and behavior regarding Breast Cancer and its Prevention among females coming to surgery OPD at AIIMS Jodhpur.
2. Comparative study of open and laparoscopic ventral hernia repair: A prospective single center study at AIIMS Jodhpur.

**As Co-Investigator**

1. Diagnostic validity of point of care ultrasound in blunt trauma chest patients
2. Outcomes of Patients undergoing surgery for bowel ischemia
3. The Effect of vacuum assisted closure therapy in diabetic foot ulcer patient
4. Immediate post-operative anasarca, its incidence, outcome and management in major abdominal surgeries – an observational study
5. Assessment of quality of life after ventral hernia repair: A prospective observational study at tertiary Care centre.

**Scientific Awards/Patents**

1. Diploma in MAS. Minimal Access Surgery-Colorectal Surgery, Association of Minimal Access Surgeons of India, November 2019.
2. Basic Certificate. Course on Mastering Pubmed: Basics, Mediknit Foundation, 27th July 2019.

**Membership/Post in Journal or Society or Association**

1. Member; Indian Association of Gastrointestinal Endosurgeons (IAGES)
2. Member; Asian Society of Mastology (ASOMA)

**National/ International Conferences attended:**

1. Supervised Training and Observership for Diploma in minimal access surgery (Dip MAS), Association of Minimal Access Surgeons of India. Zen Hospital Mumbai, 22<sup>nd</sup> – 26<sup>th</sup> April 2019.
2. National training program on GCP & current regularity and ethical requirements for conducting clinical trial/research in India, CDSA THSTI Government of India, Faridabad, 23<sup>rd</sup>-24<sup>th</sup> July 2019.
3. 13th Annual Conference of Rajasthan Association of Minimal Access Surgeons RAMAS 2019, Dausa, Rajasthan, 7<sup>th</sup>-8<sup>th</sup> Sept 2019.
4. 12th Annual National Conference of Society of Endoscopic & Laparoscopic Surgeons of India SELSICON 2019, New Delhi, 13<sup>th</sup>-15<sup>th</sup> Sept 2019.
5. Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ 2019, AIIMS Jodhpur, Jodhpur Rajasthan, 19<sup>th</sup>-20<sup>th</sup> Oct 2019.
6. 7<sup>TH</sup> National conference on pediatric education (AETCOM), AIIMS Jodhpur, Jodhpur Rajasthan, 3<sup>rd</sup> Nov 2019.
7. 3rd Annual conference of Asian Society of Mastology (ASOMACON 2019), AIIMS Bhubaneswar, Bhubaneswar, 16<sup>th</sup> - 17<sup>th</sup> Nov 2019.
8. Annual Conference of The Association of Surgeons of India – Madhya Pradesh chapter MPASICON-2020, ASI Bhopal. Bhopal, 22<sup>nd</sup> - 23<sup>rd</sup> Feb 2020.

**Workshops/ Conferences Organized**

1. Workshop on Initial Management of Trauma. Department of general surgery, AIIMS Jodhpur, 4<sup>th</sup> May 2019
2. Workshop on Basic Radiology. ASIRAJ Committee, Department of General surgery, AIIMS Jodhpur, 18<sup>th</sup> October 2019.
3. Workshop on Ultrasound for Surgeons. ASIRAJ Committee, Department of General surgery, AIIMS Jodhpur, 18<sup>th</sup> October 2019.
4. Workshop on Minimal Invasive Surgery. ASIRAJ Committee, Department of General surgery, AIIMS Jodhpur, 18<sup>th</sup> October 2019.
5. Live thoracoscopic & Thoracic Workshop. Department of General surgery, AIIMS Jodhpur, 06<sup>th</sup> Aug 2019.
6. Annual Conference of the Association of Surgeons of India - Rajasthan Chapter 2019, Department of General surgery, AIIMS Jodhpur, 19<sup>th</sup> – 20<sup>th</sup> Oct 2019.

**Eminent Visitors:**

1. Dr. M. C. Mishra during Workshop on Initial Management of Trauma & 1st ATLS provider Course.
2. Dr. Sunil Chumber , Dr. Anurag Srivastava, Dr. Chintamani, Dr. B. K. Jain, Dr. Rajinder Parshad, Dr. Virinder Kumar Bansal, Dr. Pawaninder Lal, Dr. Praveen Bhatia, Dr. Manas Ranjan Sahoo, Dr. Kalpesh Jani, Dr. Belal Bin Asaf, Dr. Sarfaraz Baig, Dr. M. Achaliya, Director, Apollo Hospital Ahmedabad, Dr. P. K. Bhattacharjee Hod General Surgery, B. S. Government Medical College West Bengal, Dr. Rahul Khanna, Professor General Surgery, IMS BHU.

**Any other information:**

**1. Annual Conference of the Association of Surgeons of India - Rajasthan Chapter 2019** was organized by the Department Of General Surgery, under the able guidance of Dr. Sanjeev Misra, Director & CEO, AIIMS, Jodhpur during 19th & 20th Oct 2019. Dr. Ashok Puranik worked as Organizing Chairman, Dr. Ramkaran Chaudhary as organizing secretary and Dr. Mahaveer S Rodha as joint organizing secretaries, Dr. Mahendra Lodha as treasurer. Dr. Naveen Sharma, Dr. Shashank Shekhar, Dr. Satya Prakash Meena & Dr. Mayank Badkur worked as chairperson for various committees. Many prominent national faculty attended the conference and enlightened the young surgeons. Preconference workshop was attended by more than 150 participants and the main conference was attended by more than 500 delegates from all over the country.



Souvenir release during the Inauguration ceremony of ASIRAJ - 2019



Enthusiastic participants during the Pre-conference workshop, ASIRAJ - 2019



Lamp lighting ceremony, ASIRAJ – 2019



Organizing team, ASIRAJ – 2019



## Department of Microbiology

S.No.	Name	Designation
1	Dr Vijaya Lakshmi Nag	Professor & Head
2	Dr Anuradha Sharma	Additional Professor
3	Dr Ashwini Aggarwal	Additional Professor
4	Dr Ravisekhar Gadepalli	Associate Professor
5	Dr Vibhor Tak	Associate Professor
6	Dr Sarika Prabhakar Kombade	Assistant Professor
7	Dr Vidhi Jain	Assistant Professor

### About The Department :

Department of Microbiology has been providing the best possible services in the field of Academics, diagnostics, research, Hospital Infection Control (HIC), and various other activities of this prestigious Institution, since 2013. With firm commitment from all team-members, we have strengthened ourselves with the ability to perform our best. The Department of Microbiology at AIIMS Jodhpur has various specialized & super-specialized diagnostic sections engaged in providing state-of-the art diagnostics, research and hospital infection control services. Faculty are actively engaged in teaching of undergraduate and postgraduate medical students and offer an additional Post-Doctoral Certificate Course (PDCC) for Post-MD candidates and DM in infectious disease (from Year 2020). The laboratory has been equipped with new automated instruments and molecular technologies, up-to-date with international norms. The various sub-sections of the departments are spread over three divisions: (1) The IPD lab with 24-hr services in Bacteriology, Mycology, Mycobacteriology, Parasitology, Viral serology, Anaerobic Lab and Hospital Infection Control. We are the regional level reference center for Antimicrobial Resistance testing for Western India (2) The OPD lab provided Designated Microscopy (DM Centre) under Revised National Tuberculosis Control Program (RNTCP), Sexually Transmitted Infection (STI) and Integrated Counselling & Testing Centre (ICTC) services from 9.00 AM to 5.00PM for outpatients. (3) The Regional Level Viral Research and Diagnostic Laboratory (R-VRDL) provides various serological and molecular investigations free of cost for Rubella, CMV, HSV I & II, Varicella, EBV, West Nile, HIV, Hepatitis A, B, C, D & E, Measles, Mumps, Dengue, Chikungunya, JE, Rabies, various Diarrheagenic viruses, Influenza and COVID-19. Presently the laboratory is running 24 hours since 18<sup>th</sup> March 2020 and providing molecular testing for COVID suspect's.

At present department has 68 staff, with 7 Faculty, 11 SR, 11 Academic JRs, 13 Laboratory Technicians, 5 Attendants and > 25 project staff including R- VRDL staff. The R-VRDL was recently upgraded from a sample collection center to an ICMR-approved testing facility from 18<sup>th</sup> March 2020.

The Microbiology laboratory has started a new division 'Special pathogens' geared towards diagnosis of emerging Rickettsial infections like Scrub typhus, since July 2019. A new section of Advanced Immunology geared towards newer immunodiagnosics assay, has recently been started. Our diagnostic services in Mycology will soon be further boosted by the upcoming DHR-Mycology section which will provide molecular diagnostics for emerging fungal infections.

Department organizes regular sensitization class for Biomedical waste management (BMW) and hospital infection control. The department annually celebrates world hand hygiene day, World TB day, HIV day & Rabies day. Various Public lectures were organized by department on World AIDS Day on 2<sup>nd</sup> December 2019, and on COVID-19 on 7<sup>th</sup> February 2020.

India has a large network of laboratories for sample collection and testing for SARS-CoV-2 infection under Department of health education (DHR)/Indian council of Medical Research (ICMR). Under this network, 106 Viral Research and Diagnostic Laboratories (VRDL) have been established throughout the country. Out of these 31 VRDLs are upgraded for SARS-CoV-2 testing since February 29 2020. Keeping in view the expected surge in the number of cases by mid of July, 2020, the ICMR has further approved 703 governments and 257

private laboratories for the testing of COVID-19 cases by real-time reverse transcription polymerase chain reaction (rRT-PCR) till 18<sup>th</sup> June 2019. Our institute is one of the apex institutes of Western India with a tertiary care hospital and a well-developed Regional Level Viral Research and Diagnostic Laboratory (R-VRDL). It is also acting as the mentor institute for the 38 other Government and private laboratories for molecular testing of COVID-19 in the states of Rajasthan and Gujarat.

**The total number of investigations performed in different sections of the departmental laboratory is as follows:**

- ✓ Cultures on different samples in Bacteriology lab: 38411
- ✓ Serological & virological tests - 60966 (HIV- 18868, HBsAg- 16611, HCV- 17799, Dengue- 2952, Typhi Dot/Widal-1849, RPR/VDRL-2413, Brucella IgM/IgG-111, ASO- 15, Anti-ds DNA-6, Leptospira-12, Anti-HBs-330)
- ✓ Scrub typhus-145
- ✓ Stool examination, PBS& other serological tests for parasites -7024
- ✓ Fungal smear & culture –4282
- ✓ AFB smears and mycobacterial culture –6013
- ✓ Mantoux tests –1579
- ✓ Microscopy under DOTS –2010
- ✓ HIV screening under ICTC – 1492
- ✓ STI screening under STI clinic: 228
- ✓ VRDL: 17582
- ✓ Anaerobic lab: 82
- ✓ Hospital Infection control: 838

**Compiled list of Publications of the department –**

**PubMed Indexed:**

1. Kapur S, Gehani M, Kammili N, Bharadwaj P, Nag VL et al. Clinical Validation of Innovative Optical-Sensor-Based, Low-Cost, Rapid Diagnostic Test to Reduce Antimicrobial Resistance. J Clin Med. 2019;8(12):2098.
2. Tripathi S, Bhati R, Gopalakrishnan M, Bohra GK, Tiwari S, Panda S, Sahay RR, Yadav PD, Nag VL, Garg MK. Clinical profile and outcome of patients with Crimean Congo haemorrhagic fever: a hospital based observational study from Rajasthan, India [published online ahead of print, 2020 Apr 14]. Trans R Soc Trop Med Hyg. 2020;traa014.
3. Gehani M, Kapur S, Bhardwaj P, Nag VL, et al. Unmet Need of Antenatal Screening for Asymptomatic Bacteriuria: A Risk Factor for Adverse Outcomes of Pregnancy. Indian J Community Med. 2019;44(3):193-198.
4. Singh S, Sharma A, Nag VL. Bacterial pathogens from lower respiratory tract infections: A study from Western Rajasthan. J Family Med Prim Care 2020; 9:1407-12.
5. Samaddar A, Sharma A, Shrimali T. Pulmonary infection due to *Acrophialophora fuispora* in a patient with underlying mixed connective tissue disease and chronic pulmonary aspergillosis: A case report and review of literature. J Mycol Med. 2020;30(2):100932.
6. Sharma A, Saxena R, Sinha A, Singh S, Yadav T. Disseminated Gastrointestinal Basidiobolomycosis (GIB) in an infant from Western India. Med Mycol Case Rep. 2019 Oct 3; 26:38-41.
7. Samaddar A, Sharma A, Kumar Ph A, Srivastava S, Shrimali T, Gopalakrishnan M, Bohra GK. Disseminated histoplasmosis in immunocompetent patients from an arid zone in Western India: A case series. Med Mycol Case Rep. 2019 Aug 1; 25:49-52.
8. Samaddar A, Sharma A, Maurya VK, Tak V. Necrotizing fasciitis caused by *Apophysomyces variabilis* in a burn patient. IDCases. 2019 Nov 2; 18:e00660.
9. Sharma A, Kalita JM, Nag VL. Screening for Methicillin-resistant *Staphylococcus aureus* Carriage on the Hands of Healthcare Workers: An Assessment for Hand Hygiene Practices. Indian J Crit Care Med. 2019 Dec;23(12):590-592.

10. Kaushal D, Sharma A, Kesarwani A, Kalita JM. Chronic Candida osteomyelitis of hard palate and nose: A diagnostic quandary. *Med Mycol Case Rep.* 2019 Jan 14; 4:1-4.
11. Kalita JM, Sharma A, Bhardwaj A, Nag VL. Dermatophytoses & spectrum of dermatophytes in patients attending a teaching hospital in Western Rajasthan. *J Family Med Prim Care.* 2019 Apr;8(4):1418-1421.
12. Agarwal A, Katoch CDS, Kumar M, Dhole TN, Sharma YK. Evaluation of Microscopic observation drug susceptibility (MODS) assay as a rapid, sensitive and inexpensive test for detection of tuberculosis and multidrug resistant tuberculosis. *Med J Armed Forces India* 2019; 75: 58-64.
13. Gupta R, Sanjeev RK, Agarwal A, Tomar RPS, Kumar N, Dutt V, Gupta S. A study of hepatitis A virus seropositivity among children aged between 1 and 5 years of age: Implications for universal immunization. *Med J Armed Forces India* 2019; 75 (3): 335-338.
14. Gill J S, Singh SP, Sharma S, Agarwal A. Gut microbiota profiling in hematopoietic stem cell transplant recipients: towards personalized medicine. *Med J Armed Forces India* 2019. <https://doi.org/10.1016/j.mjafi.2019.06.001>
15. Anantabotla VM, Antony HA, Parija SC, Rajkumari N, Kini JR, Manipura R, Nag VL, Gadepalli R, Chayani N, Patro S. Polymorphisms in genes associated with drug resistance of Plasmodium vivax in India. *Parasitol Int.* 2019 Jun; 70:92-97.
16. Anantabotla VM, Antony HA, Joseph NM, Parija SC, Rajkumari N, Kini JR, Manipura R, Nag VL, Gadepalli RS, Chayani N, Patro S. Genetic diversity of Indian Plasmodium vivax isolates based on the analysis of PvMSP3β polymorphic marker. *Trop Parasitol.* 2019 Jul-Dec;9(2):108-114.
17. Bansal Y, Aggarwal A, Gadepalli R, Nag VL. Seroprevalence of brucellosis in Western Rajasthan: A study from a tertiary care centre. *Indian J Med Microbiol.* 2019 Jul-Sep;37(3):426-432.
18. Murhekar M, Verma S, Singh K, Bavdekar A, Benakappa N, Santhanam S, Sapkal G, Viswanathan R, Singh MP, Nag VL, Naik S, Ashok M, Abraham AM, Shanmugasundaram D, Sabarinathan R, Verghese VP, George S, Sachdeva RK, Kolekar J, Manasa S, Ram J, Gupta M, Rohit MK, Kumar P, Gupta PC, Ratho RK, Munjal SK, Nehra U, Khera D, Gupta N, Kaushal N, Singh P, Gadepalli R, Vaid N, Kadam S, Shah S, Mahantesh S, Gowda VK, Haldar P, Aggarwal MK, Gupta N. Epidemiology of Congenital Rubella Syndrome (CRS) in India, 2016-18, based on data from sentinel surveillance. *PLoS Negl Trop Dis.* 2020 Feb 3; 14(2):e0007982.
19. Purva M, Randeep G, Rajesh M, Nag VL, Tak V et al. Assessment of core capacities for antimicrobial stewardship practices in Indian hospitals: Report from a multicentric initiative of global health security agenda. *Indian J Med Microbiol.* 2019;37(3):309-317.
20. Bansal Y, Kombade SP, Nag VL, Patro SK. Case of Ludwig's angina due to *Corynebacterium diphtheriae* from western Rajasthan, India-A case report of an uncommon presentation. *J Family Med Prim Care.* 2019 Sep 30;8(9):3061-3063.

#### Non-Pubmed Indexed:

1. Samaddar A, Srivastava S, Khan S, Tak V, Sharma A, Nag VL, Bohra GK. Mycobacterium chelonae bacteremia in a patient with myasthenia gravis receiving long-term steroid therapy. *Access Microbiology* 2019.1(10);1-4.
2. Kombade S, Kalita JM, Nag VL, Yedale K, Sharma A. Unusual Culture and Microscopic Finding of Acinetobacter Isolate in Cerebrospinal Fluid; a Case Report. *J Med Bacteriol.* 2019;8:69-72.
3. Singhal A, Sashindran VK, Agarwal A, Yadav AK, Kayastha S. Utility of B Cell Activating Factor (BAFF) and a Proliferation induced Ligand (APRIL) Cytokines as Markers of Response to Anti-Tubercular Therapy. *J Clinical and Diagnostic Research.* 2020, 14(5): OC01-OC0
4. Kombade S, Das P, Gade N, Gaikwad U, Negi SS, Bhargava A. Early Diagnosis of Keratic Mycosis: A Call of Hours !!. *Acta Scientific Microbiology* 2019; 2:11.
5. Bhattacharjee M, Nag VL, Goyal J, Tak V. Impact of Antibiotic stewardship program on usage of higher range of antibiotics in patients of intensive care units in a tertiary care hospital, India. *Int J Adv Med.* 2020; 7:287
6. Tak V, Kalita JM, Nag VL, Bohra GK, Kumar D. Chronicle of migrant hyperinfective strongyloides stercoralis larvae and associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura. *Access Microbiology* 2020. <https://doi.org/10.1099/acmi.fis2019.po0034>

**Name of faculty: Dr Vijaya Lakshmi Nag,  
Designation: Professor & Head**

**Papers Presented:**

1. Khan S, Nag VL, Sinha A, Dutt N, Chauhan NK, Kombade SP, Bohra GK. Genotyping of non-tuberculous mycobacterial isolates from suspected cases of tuberculosis attending a tertiary hospital in western Rajasthan. 43rd Annual Conference of IAMM; 12<sup>th</sup> Nov 2019, Mumbai.
2. Priyadarshi K, Nag VL. Detection of blaVIM, blaIMP, blaNDM, blaKPC and blaOXA-48 like carbapenemase genes in carbapenem resistant enterobacteriaceae clinical isolates with phenotypic & genotypic susceptibility to colistin. CIDSCON 2019; 23<sup>rd</sup> - 25<sup>th</sup> Aug 2019, Kochi.
3. Mishra G, Dwivedi P, Charan J, Panda S, Nag VL, Ambwani S. Study of frequency of UGTA6 polymorphism and its association with plasma valproic acid level in patients with epilepsy. Molecular Biology workshop. JIPMER, Nov 2019, Puducherry.
4. Kombade S, Patro S, Nag VL, Bansal Y. Bacteriological Profile of Chronic Suppurative Otitis Media in Tertiary Care Hospital at AIIMS Jodhpur. XXV<sup>th</sup> Mahamicrocon 2019; 21<sup>st</sup> September 2019, NKP Salwe Institute of Medical Sciences, Nagpur, Maharashtra.
5. Parwathi PR, Kombade S, Kalita J, Nag VL. Study of Drug Resistance among gram positive isolates from pyogenic samples at a tertiary care hospital, Jodhpur. 11<sup>th</sup> Micro-D-CON 2019; 2<sup>nd</sup> Nov 2019, Silver Oak Hall, India Habitat Centre, New Delhi.
6. Agarwal A, Singh S, Tak V, Nag VL. Epidemiological profile of intestinal parasitic infections at a tertiary care hospital in western Rajasthan, India. RAJTROPACON 2019, 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS Jodhpur.
7. Priyadarshi K, Tak V, Khera PS, Elhence P, Nag VL. Clinical, Radiological, microbiological, histopathological & laboratory profiling of suspected hydatid cysts patients in relation to Anti Echinococcus IgG ELISA in a tertiary care hospital. RAJTROPACON 2019; 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS, Jodhpur.
8. Bansal Y, Maurya VK, Agarwal N, Tak V, Nag VL, Purohit A. Malaria & Thrombocytopenia: A study from tertiary care center of North Western India. RAJTROPACON 2019; 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS, Jodhpur.
9. Kumar AS, Shrimali T, Tak V, Nag VL. Pelvic Echinococcus though uncommon but not rare. RAJTROPACON 2019, 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS, Jodhpur.
10. Shrimali T, Tak V, Nag VL. Pulmonary strongyloidiasis in a post op case of intestinal obstruction. RAJTROPACON 2019, 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS, Jodhpur
11. Tak V, Bansal Y, Maurya VK, Nag VL. Clinical, laboratory profile and serological testing in patients with amoebic liver abscess-A study from North Western India. Tropacon 2019, 7<sup>th</sup> -8<sup>th</sup> September 2019, Manipal Academy of Higher Education, Manipal.
12. Tak V, Kalita JM, Nag VL, Bohra GK, Sharma DK. Chronicle of a migrant hyperinfective Strongyloides stercoralis larvae with associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura. Federation of Infection Societies Conference 2019, Edinburgh International Convention Center, Edinburgh.
13. Priyadarshi K, Nag VL, Sharma A, Tak V, Kombade SP, Jain V. Detection of blavim, blaimp, blandm, blakpc, and blaoxa-48- in carbapenem resistant enterobacteriaceae isolates with phenotypic and genotypic susceptibility profile to colistin. CIDSCON 2019, 23<sup>rd</sup> - 25<sup>th</sup> Aug 2019, Kochi.
14. AK Maurya, S Kant, VL Nag, TN Dhole. Changing Trends of clinically significant Non tuberculous Mycobacteria isolates from Extrapulmonary tuberculosis cases in India. 30<sup>th</sup> European congress of clinical microbiology and infectious diseases. 18<sup>th</sup> -21<sup>st</sup> April 2020, Paris, France.

**Sessions Chaired:**

1. BMW –Issues & Challenges to Implementation. 43<sup>rd</sup> Annual Conference of IAMM, 12<sup>th</sup> Nov 2019, Mumbai
2. Risk Management. APFCB Congress 18<sup>th</sup> Nov 2019, Jaipur
3. Zero waste management. National Workshop on Health care waste management Environmental & Occupational Safety; 25<sup>th</sup> -26<sup>th</sup> April 2019, Organized by VMMC, Safdarjung Hospital, India International Centre, New Delhi

- 3<sup>rd</sup> Rajtropacon 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology; 5<sup>th</sup> - 6<sup>th</sup> April 2019, Organised by Dept. of Microbiology, AIIMS, Jodhpur
- Panel discussion on BMWM –Issues and challenges to Implementation. MICROCON 2019 Conference; 29<sup>th</sup> November - 1<sup>st</sup> December 2019, Nehru Centre, Worli, Mumbai, Maharashtra

#### Invited Lectures

- Delivered talk on Diagnosis of toxoplasma infection: New development and perspective. TROPACON; 6<sup>th</sup> -8<sup>th</sup> Sept 2019, Kasturba Medical College, Manipal
- As Guest Speaker on Updates on Toxoplasmosis- & also Chairperson in 3<sup>rd</sup> Rajtropacon 2019.** Rajasthan Chapter of Indian Academy of Tropical Parasitology; 5<sup>th</sup> - 6<sup>th</sup> April 2019, Organised by Dept. of Microbiology, AIIMS, Jodhpur. (RMCI granted 4 credit points)
- Infection in Stoma: Challenges in Diagnosis & Management. The 11<sup>th</sup> Congress of the Asian Society of Stoma Rehabilitation (ASSR 11); 22-23 Feb 2019, Osaka International Convention centre, Osaka, Japan

#### Research Project:

##### Ongoing:

##### As Principal Investigator

- Capacity building & Strengthening of Hospital Infection control to detect & prevent Antimicrobial Resistance in India. –CDC. ICMR funded Multicentric project.
- Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care hospitals. ICMR-Pfizer.
- All India Institute of Medical Sciences Jodhpur: Regional centre for antimicrobial resistance (AMR) surveillance network. ICMR.
- NHS Wellcome trust project on antimicrobial resistance Surveillance. NHS and Wellcome trust, Bangalore
- UnDp\_Phase II study: Strengthening laboratory surveillance for pneumococcal meningitis in India to understand the impact of pneumococcal conjugate vaccine (PCV) rollout. Multicentric Project.
- Regional level Viral Research and Diagnostic Laboratory. Funding Agency -DHR, ICMR.
- Strengthening of laboratory capabilities of AIIMS Jodhpur for diagnosis & control of rabies in Rajasthan, India. Funding Agency - NCDC.

##### As Co-Investigator

- Advanced Mycology Lab. Funding Agency -DHR, ICMR.
- Global Health Research (NHS & Wellcome Trust) on Antimicrobial Resistance with Whole Genome Sequencing with KIMS, Bangalore. NHS & Wellcome Trust
- Study of Clostridium difficile infection in patients with antibiotic associated diarrhoea in hospitalized patients in tertiary care center at AIIMS Jodhpur- Intramural
- Emerging drug resistance in community-acquired urinary tract infection & molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross sectional study. ICMR, AIIMS, New Delhi.
- Initiating antimicrobial stewardship activities in hospitals in India. ICMR.
- Burden of Multidrug resistant neonatal sepsis in district hospital setting in India. **Multicentric Project**

##### Completed:

##### As Principal Investigator

- Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan. Intramural

##### As Co-Investigator

- Trend of laboratory confirmed cases of Diphtheria. Intramural Project - Funded by AIIMS, Jodhpur.

- Hospital Based Sentinel Surveillance of Streptococcus pneumoniae & other invasive bacterial diseases (HBSSSPIBD).

#### Scientific Awards/Patents

- Fellow of Indian Academy of Tropical Parasitology, awarded in 2019.
- Best Oral Paper Award. Clinical, Radiological, microbiological, histopathological and laboratory profiling of suspected hydatid cysts patients in relation to Anti Echinococcus IgG ELISA in a tertiary care hospital, RAJTROPACON 2019; 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS Jodhpur.
- Best Poster Award, Clinical, laboratory profile and serological testing in patients with amoebic liver abscess-A study from North Western India. TROPACON 2019; 7<sup>th</sup> -8<sup>th</sup> September 2019.

#### Examinership

- MD Microbiology, Practical examiner. KGMU, Lucknow, 6<sup>th</sup> - 7<sup>th</sup> December 2019.
- MBBS Microbiology. 2nd Professional Examination, Eras Medical College, Lucknow 2<sup>nd</sup> -3<sup>rd</sup> July 2019.
- Subject Expert Faculty Interview. AIIMS, Manglagiri, 26<sup>th</sup> June 2019.
- MD Microbiology Practical Examiner. KGMU, Lucknow, 24<sup>th</sup> -25<sup>th</sup> June 2019.
- Subject Expert in Scientist Selection Committee. IIT, Jodhpur, 12<sup>th</sup> - 13<sup>th</sup> June 2019.
- MD Microbiology Practical Examiner. Tirupati, 9<sup>th</sup> -11<sup>th</sup> May 2019.
- Subject Expert Faculty Interview. AIIMS, Jodhpur, 2<sup>nd</sup> May 2019.

#### Membership/Post in Journal or Society or Association :

- President; Indian Academy of Tropical Parasitology, Rajasthan Chapter.
- Organizing Chairperson; National Conference cum Workshop of Society for Indian Human & Animal Mycologists (SIHAM2020).
- Member; Subject review committee of National Formulary of India, Indian Pharmacopeia commission, Ministry of Health and Family welfare, Government of India.
- Member; Indian Academy of tropical Parasitology.
- Member; Indian Immunology Society.
- Member; IMA: Indian Medical Association.
- Member; Biosafety committee of IIT Jodhpur.

#### National/ International Conferences attended:

- RAJTROPACON 2019, Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.
- 13th National Conference cum Workshop of Society for Indian Human & Animal Mycologists (SIHAM2020) from 12<sup>th</sup> - 15<sup>th</sup> February 2020.

**Name of Faculty: Dr Anuradha Sharma**

**Designation: Additional Professor**

#### Books/Chapters

- Reviewed book. Lippincott's Illustrated Reviews of Microbiology South Asia Edition 2019. Wolters Kluwer, Gurgaon, 2019.

#### Invited Lectures

- Fungal Outbreak investigation. 13<sup>th</sup> SIHAM Conference; 12<sup>th</sup> - 15<sup>th</sup> February 2020, AIIMS, Jodhpur.

- Yeasts in urine. ILBS, New Delhi on 31<sup>st</sup> August 2019, First National CME on “Fungal infections: Recent Perspectives” LIDS.

#### Research Project:

##### Ongoing:

##### As Co-Investigator

- ICMR Grant in 2016 on “Hospital Based Sentinel Surveillance of *Streptococcus pneumoniae* and other invasive bacterial diseases (HBSSSPIBD)”. Completed 1<sup>st</sup> phase successfully. Now, IInd phase started.
- Global Health Research (NHS & Wellcome Trust) on Antimicrobial Resistance with Whole Genome Sequencing with KIMS, Bangalore

##### Completed:

##### As Principal Investigator

- Trend of laboratory confirmed cases of Diphtheria. Intramural Project. Funded by AIIMS, Jodhpur

##### Examinership

- MD Microbiology. AIIMS, Rishikesh, 9<sup>th</sup> - 11<sup>th</sup> December 2019

##### Membership/Post in Journal or Society or Association :

- Member; IDSA
- Member; ISHAM
- Member; ASM

##### National/ International Conferences attended

- RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.
- Mycology workshop, AIIMS, Jodhpur for regional medical colleges, 28<sup>th</sup> September 2019
- 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists” (SIHAM2020) from 12<sup>th</sup> - 15<sup>th</sup> February 2020.
- LIDS, ILBS, New Delhi, 31<sup>st</sup> August 2019.

**Name of Faculty: Dr Ashwini Agarwal**

**Designation: Additional Professor**

##### Sessions Chaired:

- Fungal Outbreaks. SIHAM; 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur, Jodhpur
- Neglected Fungal Infections. SIHAM, 12<sup>th</sup>-15<sup>th</sup> February 2020, AIIMS Jodhpur, Jodhpur
- Immunosuppressed patients & fungal infections. SIHAM, 12<sup>th</sup>-15<sup>th</sup> February 2020, AIIMS Jodhpur, Jodhpur,

##### Resource Faculty:

- 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists (SIHAM2020); 12<sup>th</sup> – 15<sup>th</sup> February 2020, AIIMS Jodhpur.

##### Examinership

1. Second MBBS practical exam. Maharashtra University of Health Science, Armed Forces Medical College, Pune, 17<sup>th</sup> -20<sup>th</sup> Dec 2019.

**National/ International Conferences attended:**

1. Mycology workshop, 28<sup>th</sup> September 2019, AIIMS, Jodhpur for regional medical colleges.
2. 13<sup>th</sup> National Conference cum Workshop of Society, Indian Human & Animal Mycologist (SIHAM2020), 12<sup>th</sup> – 15<sup>th</sup> February 2020.
3. Commonwealth Professional Fellowship, London North West University Healthcare NHS trust wef 2<sup>nd</sup> Mar 2020 – 30<sup>th</sup> Apr 2020

**Name of Faculty: Dr Ravisekhar Gadepalli**  
**Designation: Associate Professor**

**Sessions Chaired:**

1. Public lecture. World AIDS Day (1<sup>st</sup> December); 2<sup>nd</sup> December 2019, by Department of General Medicine, Dermatology and Microbiology
2. Public lecture. COVID-19; 7<sup>th</sup> February 2019, by Department of Pulmonary Medicine, General Medicine and Microbiology

**Resource Faculty:**

1. Protocol Design and Introduction to Evidence Based Medicine for PG and PhD Students; 23<sup>rd</sup> – 24<sup>th</sup> September, 2019, AIIMS Jodhpur.

**Research Projects:**

**Ongoing:**

**As Principal Investigator:**

1. Intramural project granted on “Clinical and cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care centre” Funded by AIIMS Jodhpur.

**Completed:**

**As Principal Investigator:**

1. Intramural project granted on “Molecular and serological techniques to detect DENV and CHIKV in suspected dengue-like syndrome patients Funded by AIIMS Jodhpur.
2. Completed STS project: Quantitative Estimation of Hepatitis B Titers in Health care workers in Tertiary Care Teaching Hospital in Western region of Rajasthan. Student Name: DVV Harsha Vardhan (MBBS-2016 batch).

**Examinerships:**

1. External Examiner-2019 for 2<sup>nd</sup> professional MBBS Examination, RUHS, Rajasthan, Dr. S N Medical College, Jodhpur.
2. Internal Examiner for BSc Nursing Examination 2018-19 batch, AIIMS, Jodhpur

**Membership/ Post in Journal or Society or Association :: Renewed for 2019**

1. Member; American Society for Microbiology (ASM)- 56091614
2. Member; American Heart Association (AHA)-181687726
3. Member; Indian Association of Medical Microbiologists (IAMM)-LM 2492
4. Member; Indian Association of Tropical Parasitology (Rajasthan Chapter)

**National/ International Conferences attended:**



1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.
2. Mycology workshop, 28<sup>th</sup> September 2019 at AIIMS, Jodhpur for regional medical colleges.
3. 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists” (SIHAM2020), 12<sup>th</sup> – 15<sup>th</sup> February 2020.
4. Newton Fund Researcher Links Workshop cum Conference, IIT Mumbai, India, 18<sup>th</sup> -23<sup>rd</sup> November 2019
5. Reprogramming Human Somatic Cells To Induced Pluripotent Stem Cells, The Institute for Stem Cell Science and Regenerative Sciences (inStem), NCBS, Bangalore, 3<sup>rd</sup>-14<sup>th</sup> June

**Name of Faculty: Dr. Vibhor Tak**  
**Designation: Associate Professor**

**Papers Presented:**

1. Agarwal A, Singh S, Tak V, Nag VL. Epidemiological profile of intestinal parasitic infections at a tertiary care hospital in western Rajasthan, India. RAJTROPACON 2019; 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur.
2. Priyadarshi K, Tak V, Khera PS, Elhence P, Nag VL. Clinical, Radiological, microbiological, histopathological and laboratory profiling of suspected hydatid cysts patients in relation to Anti Echinococcus IgG ELISA in a tertiary care hospital. RAJTROPACON 2019; 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur.
3. Bansal Y, Maurya VK, Agarwal N, Tak V, Nag VL, Purohit A. Malaria and Thrombocytopenia: A study from tertiary care center of North Western India. RAJTROPACON 2019; 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur.
4. Kumar AS, Shrimali T, Tak V, Nag VL. Pelvic Echinococcus though uncommon but not rare. RAJTROPACON 2019; 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur.
5. Shrimali T, Tak V, Nag VL. Pulmonary strongyloidiasis in a post op case of intestinal obstruction. RAJTROPACON 2019, 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur
6. Tak V, Bansal Y, Maurya VK, Nag VL. Clinical, laboratory profile and serological testing in patients with amoebic liver abscess-A study from North Western India. Tropacon 2019; 7<sup>th</sup>:8<sup>th</sup> September 2019, Manipal Academy of Higher Education, Manipal.
7. Tak V, Kalita JM, Nag VL, Bohra GK, Sharma DK. Chronicle of a migrant hyperinfective Strongyloides stercoralis larvae with associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura. Federation of Infection Societies Conference 2019, Edinburgh International Convention Center, Edinburgh.

**Sessions Chaired:**

1. Neglected Fungal Infections. SIHAM; 12<sup>th</sup>-15<sup>th</sup> February 2020, AIIMS Jodhpur, Jodhpur

**Invited Lectures**

1. Molecular typing of Echinococcus granulosus. RAJTROPACON 2019; 5<sup>th</sup>-6<sup>th</sup> April 2019, AIIMS Jodhpur, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross sectional study. ICMR, AIIMS New Delhi

**As Co-Investigator**

1. Capacity building and strengthening of hospital infection control to detect and prevent antimicrobial resistance in India. CDC, AIIMS New Delhi
2. All India Institute of Medical Sciences Jodhpur: Regional center for antimicrobial resistance surveillance network. ICMR.
3. Initiating antimicrobial stewardship activities in hospitals in India. ICMR.
4. NHS Welcome trust project on antimicrobial resistance Surveillance. NHS and Welcome trust, Bangalore
5. Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care hospitals. ICMR-Pfizer
6. Role of Inflammatory Marker, Atypical Bacterial Infection and Vitamin D3 Level in Recurrent Wheezing in Children under Five Years of Age: A Prospective Case Control Study. AIIMS Jodhpur.
7. Epidemiology of community and hospital acquired urinary tract infection of patients attending Urology OPD in AIIMS Jodhpur. AIIMS Jodhpur.
8. Expansion of antimicrobial stewardship (AMSP) and
  - a. infection control program (ICP) of ICMR in secondary care hospital
  - b. infection control program (ICP) of ICMR in secondary care hospita

#### **Scientific Awards/Patents**

1. Best Oral Paper Award. Clinical, Radiological, microbiological, histopathological and laboratory profiling of suspected hydatid cysts patients in relation to Anti Echinococcus IgG ELISA in a tertiary care hospital, RAJTROPACON 2019, 5<sup>th</sup>-6<sup>th</sup> April 2019.
2. Best Poster Award, Clinical, laboratory profile and serological testing in patients with amoebic liver abscess-A study from North Western India, TROPACON 2019, 7<sup>th</sup>-8<sup>th</sup> September 2019.

#### **Examinership**

1. 2<sup>nd</sup> Professional M.B.B.S. AIIMS Jodhpur, December 2019
2. 2<sup>nd</sup> Professional M.B.B.S (Supplementary). AIIMS Jodhpur, February 2020.

#### **Membership/Post in Journal or Society or Association :**

1. Assistant Editor; Tropical Parasitology/ Indian Academy of Tropical Parasitology
2. Life Member; Clinical Infectious Disease Society.
3. Annual Member; European Society of Clinical Microbiology and Infectious Diseases.
4. Annual Member, Society of Healthcare Epidemiology of America
5. Annual Member; Infectious Disease Society of America
6. Annual Diplomate Membership; Royal College of Pathologists UK.
7. Annual Member; Healthcare Infection Society
8. Member; Biosafety Officer & Member of Biosafety committee of IIT Jodhpur.

#### **National/ International Conferences attended:**

1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup>-6<sup>th</sup> April 2019.
2. TROPACON 2019. Indian Academy of Tropical Parasitology, Manipal Academy of Higher Education Manipal, 7<sup>th</sup>-8<sup>th</sup> September 2019.
3. Federation of Infection Society Conference 2019. Microbiology Society, Edinburgh International Convention Centre Edinburgh U.K, 11<sup>th</sup>-14<sup>th</sup> November 2019.
4. Mycology workshop, AIIMS, Jodhpur for regional medical colleges, 28<sup>th</sup> September 2019.
5. 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists" (SIHAM2020), 12<sup>th</sup> – 15<sup>th</sup> February 2020.

#### **Workshops/ Conferences Organized**

1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.

**Name of Faculty: Dr. Sarika Prabhakar Kombade**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Kombade S, Patro S, Nag VL, Bansal Y. Bacteriological Profile of Chronic Suppurative Otitis Media in Tertiary Care Hospital at AIIMS Jodhpur. XXV<sup>th</sup> Mahamicrocon 2019; 21<sup>st</sup> September 2019, NKP Salwe Institute of Medical Sciences, Nagpur, Maharashtra.
2. Parvathi PR, Kombade S, Kalita J, Nag V L. Study of Drug Resistance among gram positive isolates from pyogenic samples at a tertiary care hospital, Jodhpur. 11<sup>th</sup> Micro-D-CON 2019; 2<sup>nd</sup> Nov 2019, Silver Oak Hall, India Habitat Centre, New Delhi.

**Research Project:****Ongoing:****As Principal Investigator**

1. Study of Clostridium difficile infection in patients with antibiotic associated diarrhoea in hospitalized patients in tertiary care centre at AIIMS Jodhpur. Funding Agency-AIIMS Jodhpur.

**As Co-Investigator**

1. Regional level Viral Research and Diagnostic Laboratory. Funding Agency -DHR, ICMR.
2. Strengthening of laboratory capabilities of AIIMS Jodhpur for diagnosis & control of rabies in Rajasthan, India. Funding Agency - NCDC.
3. NHS/ Welcome Trust Project on Anti-Microbial resistance surveillance, KIMS/GHRU, Bangalore.
4. Comparison of cervico-vaginal microflora in infertile vs asymptomatic healthy parous women. Funding agency-AIIMS Jodhpur

**Completed:****As Principal Investigator**

1. Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan. Non-Funded
2. Clinico-mycological profile of vulvovaginal candidiasis in a tertiary care hospital, western Rajasthan. STS project

**Membership/Post in Journal or Society or Association :**

1. Life Member; Society for Indian Human and Animal Mycologists-LM-554/21-09-2019
2. Life Member; Indian Academy of Tropical Parasitology. 602/October 2019
3. Life Member; Indian Association of Mycoplasmaologist . December 2019.
4. Annual Member; European Society of Clinical Microbiology & Infectious Disease (ESCMID) 2020-21- Membership no. 470752/ March 2020
5. Annual member; American Society for Microbiology 20-21. Membership No. 200212659/ March 2020
6. Member; Biosafety committee of IIT Jodhpur.

**National/ International Conferences attended:**

1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.
2. XXV<sup>th</sup> Mahamicrocon 2019, NKP Salwe Institute of Medical Sciences, Nagpur, Maharashtra, 21<sup>st</sup> September 2019
3. Workshop on Suicide prevention and safety planning: How we can help, Department of Psychiatry, AIIMS Jodhpur, 11<sup>th</sup> October 2019.

4. XIth National Symposium of Indian Association of Mycoplasma, National Centre for Microbial Resource (NCMR), Pune, 02<sup>nd</sup> -05<sup>th</sup> Dec 2019.
5. Zonal Task Force Workshop (West Zone) National Tuberculosis Elimination Programme, SP Medical College, Bikaner Rajasthan, 9<sup>th</sup> -10<sup>th</sup> January 2020.
6. 4<sup>th</sup> National Workshop on Hospital Infection Control, Dr. APJ Abdul Kalam Auditorium, JIPMER, Puducherry, 29<sup>th</sup> Jan-1<sup>st</sup> Feb 2020.
7. Mycology workshop, AIIMS, Jodhpur for regional medical colleges, 28<sup>th</sup> September 2019.
8. 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists (SIHAM2020), AIIMS Jodhpur, 12<sup>th</sup> - 15<sup>th</sup> February'2020.

**Name of Faculty: Dr Vidhi Jain**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Jain V, Khanna A, Sinha A, Pandey KK. "Pulmonary aspergillosis among outpatients presenting to the department of Pulmonary Medicine at a tertiary care, private hospital of Western UP." 13<sup>th</sup> Society for Indian Human and Animal Mycologists (SIHAM 2020); 13<sup>th</sup> February 2020, AIIMS Jodhpur
2. Jain V, Gopalakrishnan M, Sharma D, Nag VL. An unusual case of fever in third trimester – scrub typhus without eschar. 10<sup>th</sup> Annual conference MicroDcon 2019; 31<sup>st</sup> Oct- 3<sup>rd</sup> Nov 2019, New Delh.

**Invited Lectures**

1. Interpretation of MIC values in Microbiological Culture reports. 2<sup>nd</sup> Conference of Infectious Diseases Educational Academia (InDEA); 16<sup>th</sup> June 2019, New Delhi

**Resource Faculty:**

1. Hands-on Mycology workshop for regional medical colleges; 28th September 2019, AIIMS, Jodhpur
2. Preconference workshop.13<sup>th</sup> SIHAM 2020 on identification and characterization of fungi; 11<sup>th</sup>-12<sup>th</sup> February 2020, AIIMS Jodhpur
3. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology; 5-6 April 2019, AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Expansion of antimicrobial stewardship (AMSP) and infection prevention and control program (ICP) of ICMR in secondary care hospitals. Funding: ICMR-Pfizer
2. Emerging drug resistance in community-acquired urinary tract infection and molecular insights into dynamics of resistance traits in Indian isolates: A multi-centric cross sectional study. ICMR, AIIMS New Delhi. Funding: ICMR

**Membership/Post in Journal or Society or Association**

1. Life member; Society of Human and Animal Mycologists (SIHAM)
2. Annual member; European Society for Microbiology and Infectious Disease (ESCMID)
3. Annual member; American Society for Microbiology (ASM)

**National/ International Conferences attended:**

1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.
2. Mycology workshop. AIIMS, Jodhpur for regional medical colleges, 28<sup>th</sup> September 2019.

3. 13<sup>th</sup> National Conference cum Workshop of Society for Indian Human & Animal Mycologists (SIHAM2020), 12<sup>th</sup> – 15<sup>th</sup> February 2020.
4. LIDS, ILBS, New Delhi.
5. AHA certified BLS and ACLS provider course organised by the Department of Anaesthesiology, AIIMS Jodhpur, 21<sup>st</sup> - 23<sup>rd</sup> November 2019.
6. 10<sup>th</sup> Annual conference of Delhi Chapter of Indian Academy of Medical Microbiologists MicroDcon 2019, New Delhi, 31<sup>st</sup> Oct- 3<sup>rd</sup> Nov 2019.
7. National Workshop on “Healthcare Waste Management, Environmental and Occupational Safety” jointly organized by International Development Centre Foundation (IDCF) and VMMC and Safdarjung Hospital, 25<sup>th</sup> - 26<sup>th</sup> April 2019

#### **Any other**

1. Nominated for RNTCP STF (State task Force) meeting on 10<sup>th</sup> October 2019 at S P Medical College Bikaner, Rajasthan
2. Treasurer, 13<sup>th</sup> Society for Indian Human and Animal Mycologists (SIHAM 2020), AIIMS Jodhpur, 13<sup>th</sup> February 2020

#### **Workshops and conferences organized by the Department of Microbiology**

##### **1. RAJTROPACON 2019. Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur, 5<sup>th</sup> -6<sup>th</sup> April 2019.**

The annual chapter of the Rajasthan Chapter of Indian Academy of Tropical Parasitology titled RAJTROPACON-2019 was held at All India Institute of Medical Sciences (AIIMS), Jodhpur on 5<sup>th</sup> and 6<sup>th</sup> April 2019 and was attended by healthcare professionals from various premiere Institutes across north and north western India.

The programme consisted of guest lectures by invited faculty, panel discussions, oral and poster paper presentations. A total of 10 lectures and 2 panel discussions were attended by around 80 delegates. The invited faculty had eminent names like Prof. Tulsi Das Chugh, Prof. Subhash Chandra Parija, Prof. Rakesh Sehgal, Dr. Srujana Mohanty, Dr. Ramesh C Dhiman, Dr. Rakesh Singh and Dr. Ayush Gupta.

A wide array of topics were covered ranging from the management of common parasitic infections, emerging and re-emerging parasites, to the use of automated computer vision techniques such as auto encoder and self-organizing mapping techniques, including proteomics for the identification of parasitic infections. Oral presentation session was held in which a total of 6 oral presentations were given by residents from various institutes. A Parasitology quiz for post graduate students was much appreciated by the attendees. Prizes were distributed to the quiz winners, best oral and poster presentations.



Souvenir release by dignitaries on the dais, RAJTROPACON- 2019



Organizing team and delegates, RAJTROPACON- 2019

## 2. Hands-on Mycology Workshop for Regional Medical Colleges held on 28<sup>th</sup> September 2019

A single day hands-on workshop in Mycology was organized by Dr Anuradha Sharma to celebrate the "Fungal Disease Awareness Week" on 28<sup>th</sup> September 2019. It was attended by more than 40 delegates from various state & regional medical Colleges of Delhi and Rajasthan. It was conducted in four parts with sessions covering various aspects of mycology: theory, live cultures of various fungal pathogens, microscopic slides, including those of some rare fungi. The workshop was concluded with a Mycology quiz for residents followed by prize distribution.

Organizing team, Basic Medical Mycology workshop, September 2019

### 3. 13<sup>th</sup> National Conference of Society for Indian Human & Animal Mycologists – SIHAM 2020

The 13th National Conference of SIHAM (now ISMM) was organized by the Department of Microbiology, AIIMS, Jodhpur (Rajasthan) from 12<sup>th</sup> - 15<sup>th</sup> February 2020. A total of 208 delegates were registered from various parts of the country. There were more than forty guest speakers with seven international faculties. The invited faculty had eminent names like Dr. Oliver Cornely, Dr. John Perfect, Dr Malcolm Richardson, Dr Beatriz Gomez, Dr Jacques Meis, Dr Arunaloke Chakrabarti and Dr. Karl V Clemons. The theme “Paradigm Shift in

Fungal Infections – A Global Health Challenge” was covered with thirteen symposia held over two and half days and a pre-conference workshop of one and a half day. Days started with the hands on workshop that covered ID and AFST of the most common human pathogenic fungi. The conference started with the inaugural ceremony on 12 th with lamp lightening and Sarasvati vandana. The inaugural speech was conveyed by Dr Sanjeev Misra- Director AIIMS Jodhpur, Dr Shiva Prakash Rudramurthy- President SIHAM, Dr Vijaya Lakshmi Nag- Head of Department of Microbiology AIIMS Jodhpur and Dr Anuradha Sharma- Conference secretariat. The academic fiesta began with its first session of “Meet the Expert” focusing on advancement in diagnosis and establishing labs in developing countries. The symposia covered topics on diagnostics, neglected fungal infections, ICU fungal infections and pathogenesis by National and International speakers. It also included oral and poster presentations along with a quiz. The gala dinner was organised at Taj Hari Mahal on 13th . Best ten papers in last two years were covered under basic medical mycology and clinical mycology. SIHAM award session consisted of three categories with seven participants - Pankajalakshmi Award, Kamlam Glaxo Meritorious Award and G.P.Agarwal Award. An intense debate was hosted on “Combination of antifungals is better for IFI management.” The conference ended with an approval of renaming of the society as “Indian Society of Medical Mycologists”.



Prize distribution ceremony, SIHAM 2020, AIIMS Jodhpur



Enthusiastic participants, SIHAM 2020, AIIMS Jodhpur



**Eminent Visitors:**

1. Dr DT Maurya, Director , NIV, Pune.
2. Prof. Tulsi Das Chugh
3. Prof. Subhash Chandra Parija, Vice Chancellor, Sri Balaji Vidyapeeth University
4. Prof. Rakesh Sehgal, Department of Parasitology, PGIMER, Chandigarh
5. Prof. MR Shivaprakash, Head, Division of Mycology, Department of Microbiology, PGIMER, Chandigarh and President, Society for Indian Human & Animal Mycologists (SIHAM)
6. Dr. Ramesh C Dhiman, Scientist G & Professor, National Institute of Malaria Research, India

**Any other information:**

1. Best Oral Paper Award. Clinical, Radiological, microbiological, histopathological and laboratory profiling of suspected hydatid cysts patients in relation to Anti Echinococcus IgG ELISA in a tertiary care hospital, RAJTROPACON 2019, 5<sup>th</sup>-6<sup>th</sup> April 2019.
2. Best Poster Award, Clinical, laboratory profile and serological testing in patients with amoebic liver abscess-A study from North Western India, TROPACON 2019, 7<sup>th</sup>-8<sup>th</sup> September 2019.
3. Principal Co-ordinator (Mentor Institute) of AIIMS Jodhpur Mentoring Institution for COVID -19 testing for Rajasthan & Gujarat.- Dr Vijaya Lakshmi Nag
4. Invited to attend free medical camps organized by patient care trust (PCT) Feb 3-7<sup>th</sup> at Dharamshala. By Founder Director, Patient care trust.

## Department of Neonatology

S.No.	Name	Designation
1	Dr. Arun Kumarendu Singh	Professor & Head
2	Dr. Neeraj Gupta	Additional Professor

### About the Department

The Department has strived through its continuous quest for achieving excellence in clinical care, academics, research and quality improvement.

Infra structure: The number of beds in Neonatal ICU has increased from six to twelve with more focus on delivering care to very low birthweight (VLBW) infants, including twins, triplets and newborn with birth defects. The NICU was upgraded to have in house dedicated point of care: digital X-ray, Echo, USG, Blood gas, Electrolytes. Facilities for therapeutic hypothermia in birth asphyxia patients and high frequency oscillatory ventilation was created. To circumvent the limited beds in the NICU, 9 beds were created in the in-patient block including a dedicated Low birth weight room equipped with radiant warmers to treat sick and Low birth weight babies. Similarly, a 3 bedded stabilizing unit was created within the labour room complex for stabilizing the sick newborns before transfer if required.

A total of 174 infants including 46 VLBW infants were managed last year in our NICU with an overall survival rate of 89.5 %.

Faculty: The faculty strength has increased with joining of a Professor in the department

Teaching and training: The DM (Neonatology) program has further geared up with induction of two more residents with a total of four DM residents at present.

The department has also trained healthcare professionals both within and outside the institute in quality improvement methodology and has helped state NHM by giving inputs whenever asked for on several issues related to improvement of newborn care.

Research: The department is quite active in research

1. It is a part of an ongoing metacentric study in assessing burden of neonatal sepsis at district hospitals in India funded externally by gates foundation
2. ICMR has approved to fund the project for testing the hypothesis developed by the department of Heat, Exhaustion and Micronutrient deficiency as the basic etiology of Acute Encephalitis Syndrome among children in Muzaffarpur
3. Moreover, one of the research paper from the department was presented in the award session of European Society of Pediatric Research 2019 apart from several oral papers and posters at National conference.

Future planning: Expanding the NICU to 25 beds and making this department as "Newborn Resource Care Centre" with facilities of Neonatal collaborative research, Human lactation management center, Early intervention center, Neonatal nursing training center etc.

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Sivasubbu S, Scaria V. GUARDIAN Consortium. Genomics of rare genetic diseases-experiences from India. *Hum Genomics*. 2019;14(1):52.
2. Murhekar M, Verma S, Singh K, et al. Epidemiology of Congenital Rubella Syndrome (CRS) in India, 2016-18, based on data from sentinel surveillance. *PLoS Negl Trop Dis*. 2020;14(2): e0007982. Purva M, Randeep G, Rajesh M, et al. Assessment of core capacities for antimicrobial stewardship practices in indian hospitals: Report from a multicentric initiative of global health security agenda. *Indian J Med Microbiol*. 2019;37(3):309-317.
3. Gupta N, Toteja N, Sasidharan R, Gupta T, Singh K. Behind the façade of sapophagia: Role of psychosocial factors in early childhood. *Asian J Psychiatry*. 2020; 49:101956.

4. Sasidharan R, Yadav B, Gupta N, Murki S. Reducing catheter-related bloodstream infections in neonates. *The Lancet Child & Adolescent Health*. 2019;3(8): e11.
5. Sasidharan R, Yadav B, Gupta N. Umbilical cord blood sampling versus admission blood sampling on requirement of blood transfusion in extremely preterm infants. *J Pediatr*. 2019; 215:283–4.
6. Yadav B, Sasidharan R, Gupta N. Oral vitamin A for prevention of bronchopulmonary dysplasia. *Eur J Pediatr*. 2019;178(10):1601–1601

#### **Workshops/ Conferences Organized**

1. Point of Care Quality Improvement (POCQI) Workshop. Department of Neonatology, Pediatrics and Obstetrics & Gynaecology, AIIMS Jodhpur, 23<sup>rd</sup> December, 2019
2. Neonatal resuscitation program. Indian Association of Pediatrics, AIIMS Jodhpur, 29<sup>th</sup> February 2020.

**Name of Faculty: Dr. Arun Kumarendu Singh**

**Designation: Professor & HOD**

#### **Books/Chapters**

1. Cerebral Visual Impairment, Dr. Arun Singh, First, New Delhi, RBSK, MOHFW, India.
2. Comprehensive newborn screening, handbook for screening functional birth defects at all delivery points, Dr. Arun Singh, First, New Delhi, RBSK, MOHFW, India.

#### **Sessions Chaired:**

1. Retinopathy of Prematurity and Cortical Visual Impairment. Bombay Ophthalmologist Association, Bombay Hospital; 1<sup>st</sup> March 2020, Bombay

#### **Invited Lectures**

1. The neuroscience of birth – and the case for Zero Separation, Stanford Symposium & Training Course; 10<sup>th</sup> – 12<sup>th</sup> January 2020, Dharampur
2. Overview of Visual Impairment: National and Global Perspective at CME: on Retinopathy of Prematurity and Cortical Visual Impairment. Bombay Ophthalmologist Association; 1<sup>st</sup> March 2020, J.P. Jain Auditorium Bombay Hospital, Bombay

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator:**

1. Mitochondrial dysfunction in children due to heat stress, a potential cause of acute encephalitis syndrome. AIIMS Jodhpur- ICMR, Collaborating Institute: SK Medical College Hospital, Muzaffarpur, Institute of Genomics & Integrated Biology, New Delhi and IIT Delhi.

#### **Research papers**

1. Mukherjee S, Bulsara JS, Das MK, Waratakar Y, Saha AK, Dubey S, Mehta P, Gupta B, Singh AK; for Indian Delayed Cord Clamp Study Group. Is Delaying Cord Clamping until Placenta Delivery Beneficial? Oxygen Saturation and Heart Rate Transition during the Initial 5 Minutes after Delivery in Indian Healthy Newborns. *Am J Perinatol*. 2020 Jun;37(7):738-744.
2. Singh AK, Das MK. Regarding advice to delay oxytocin at childbirth. *BMJ* 2019; 367.
3. Das MK, Seth S, Singh AK et al. Promoting family integrated early child development (during first 1000 days) in urban slums of India (fine child 3-3- 1000): Study protocol. *Journal of Advanced Nursing* 2020; 76 (7): 1823-30.
4. Biswas A, Bhattacharya SD, Singh AK, Saha . Addressing Hand Hygiene Compliance in a Low-Resource Neonatal Intensive Care Unit: A Quality Improvement Project, *J Pediatr Inf Dis*. 2019; 8(5):408-13

**Any other:**

1. Selected for the Prestigious program on “Scaling Early Childhood Initiatives” at the John F. Kennedy School of Government at Harvard University – 29th March to 3th April 2020.

**Name of Faculty: Dr. Neeraj Gupta**

**Designation: Additional Professor**

**Books/Chapters**

1. Neeraj Gupta. Neonatal convulsion. In: Principles of Pediatric and Neonatal Emergencies, Piyush Gupta, Arvind Bagga, Sidharth Ramji (editor), 4<sup>th</sup> edition, New Delhi, Jaypee Brothers Medical Publishers (P) Ltd. 2020,670-85.

**Papers Presented:****Author**

1. Gupta N, Kumawat SR, Vyas H, Mohan R, Singh K. Effect of 90 vs. 60 minutes of early skin-to-skin contact on exclusive breastfeeding rate in healthy infants  $\geq 35$ wk: An open-label RCT. 3<sup>rd</sup> Cngress of Joint European neonatal Societies (jENS); 17<sup>th</sup> -21<sup>st</sup> September 2019, Maastricht Convention Centre, Maastricht, Netherland
2. Yadav B, Gupta N, Sasidharan R, Sharma A, Nag VL, Singh K. Alarming rates of multi-drug resistant (MDR) organisms and fungal sepsis among out born neonates in Western Rajasthan. West Zone Neocon-2019; 4<sup>th</sup>-6<sup>th</sup> October 2019, Clarks Amer, Jaipur
3. Sasidharan R, Gupta N, Yadav B, Kaushal N, Deora S, Soni JP. Coronary-cameral fistula: A rare cause of congestive cardiac failure in children. West Zone Neocon-2019; 4<sup>th</sup>-6<sup>th</sup> October 2019, Clarks Amer, Jaipur
4. Gautam G, Yadav B, Sasidharan R, Didel S, Gupta N. Isolated severe anemia without jaundice following Rh isoimmunization: an uncommon manifestation of a common disease. West Zone Neocon-2019; 4<sup>th</sup>-6<sup>th</sup> October 2019, Clarks Amer, Jaipur
5. Bamnawat H, Yadav B, Gupta N, Khara D, Singh K. A rare case of neonatal nemaline rod myopathy with SMN2 gene mutation. West Zone Neocon-2019; 4<sup>th</sup>-6<sup>th</sup> October 2019, Clarks Amer, Jaipur

**Sessions Chaired:**

1. Genetic counselling. 57th National Conference of Indian Academy of Pediatrics (PEDICON 2020); 9<sup>th</sup>-12<sup>th</sup> January, 2020, Brilliant Convention Center, Indore, Madhya Pradesh
2. Case based discussion. 57th National Conference of Indian Academy of Pediatrics (PEDICON 2020); 9<sup>th</sup>-12<sup>th</sup> January, 2020, Brilliant Convention Center, Indore, Madhya Pradesh

**Invited Lectures**

1. Value of neurological examination in NICU. XXXIX National Conference of NNF-Neocon 2019; 12<sup>th</sup>-15<sup>th</sup> December 2019, HICC, Hyderabad.
2. Perinatal interventions to improve preterm infants outcome. West Zone Neocon-2019; 04<sup>th</sup>-6<sup>th</sup> October 2019, Clarks Amer, Jaipur
3. Steroids: A lost friend in NICU. Neonatal & Pediatric Critical Care Conference; 25<sup>th</sup> August, 2019, Alwar
4. Antimicrobial stewardship. Infection Management Environment Protection Workshop / ToT; 25<sup>th</sup> June 2019, SIHFW, Jaipur [Web lecture]
5. How to plan research? Research Methodology Workshop; 28<sup>th</sup> April, 2019, Vyas Dental College, Jodhpur
6. Neonatal Resuscitation. Dr. S.R. Rajasthan Ayurved University Jodhpur; 13<sup>th</sup> March 2020, Jodhpur

**Research Project:**

**Ongoing:****As Co-Investigator**

1. Burden of multi-drug resistant neonatal sepsis in district hospital settings in India. Bill & Melinda Gates foundation and AIIMS Delhi

**Scientific Awards/Patents**

1. RCPCH Visiting Fellowship. Royal College of Pediatrics & Child Health, Birmingham, United Kingdom, 14<sup>th</sup> May 2019
2. ESPR travel grant. For attending 3<sup>rd</sup> Congress of Joint European Neonatal Societies (3<sup>rd</sup> jENS), European Society of Pediatric Research, 17<sup>th</sup> -21<sup>st</sup> May 2020

**Examinership**

1. MBBS. Dr. S.N. Medical College, 3<sup>rd</sup> -5<sup>th</sup> February 2020

**National/ International Conferences attended:**

1. RCPCH Annual Conference 2019. Royal College of Pediatrics & Child Health, International Convention Centre, Birmingham, 13<sup>th</sup> -15<sup>th</sup> May 2019
2. 3<sup>rd</sup> Congress of Joint European Neonatal Societies (3<sup>rd</sup> jENS). European Society of Pediatric Research, Maastricht, Netherland, 17<sup>th</sup> -21<sup>st</sup> September 2019
3. XXXIX National Conference of NNF-Neocon 2019. National Neonatology Forum, HICC, Hyderabad, 12<sup>th</sup>-15<sup>th</sup> December 2019
4. 57th National Conference of Indian Academy of Pediatrics (PEDICON 2020), Indian Academy of Pediatrics, Brilliant Convention Center, Indore, Madhya Pradesh, 9<sup>th</sup>-12<sup>th</sup> January, 2020
5. WestZone Neococn 2019. Hotel Clarks Amer, Jaipur, 4-6<sup>th</sup> Oct, 2019

**Others**

1. Contributed to National Neonatology Forum Clinical Practice Guidelines (NNF-CPG guidelines) on 'Non-invasive respiratory support for newborns.'

**Departmental Pictures**

Neonatal ICU Bed strength has increased from six to twelve this year

### Conferences organized by the department:

#### 1. Advance NRP Course-29<sup>th</sup> Feb, 2020

Advanced Neonatal Resuscitation Program (NRP) course was organized by Department of Neonatology on 29<sup>th</sup> Feb, 2020 under aegis of IAP-NRP-FGM. The objective was to refine the skills required for neonatal resuscitation and to help delegates in understanding the concept of team working using the principles of Crisis Resource Management. Twenty six delegates mainly comprising of pediatric residents and neonatology fellows attended it. There were a total of six-resource person apart from course co-ordinator. The workshop comprised of discreet workstations focussing on skill development and team building instead of didactic lectures. Ample time was given at each station to all the delegates for practicing on the manikins. Workstations were followed by simulation exercise. This was followed by formal assessment.



Faculty and delegates, Advance NRP Course, AIIMS Jodhpur



Hands-on session in progress, Advance NRP Course, AIIMS Jodhpur

## 2. Point of Care Quality Improvement (POCQI) Workshop-23<sup>rd</sup> Dec, 2019

A Point of Care Quality Improvement (POCQI) Workshop was organized by the Department of Neonatology on 23<sup>rd</sup> Dec, 2020. The aim of this workshop was to sensitize and train the healthcare professionals in improving patient outcomes by improving the quality of care using POCQI methodology in their respective settings. Twenty-five participants including pediatric & obstetric residents, nursing staff from labour room and OT attended the workshop. It was also attended by the nursing staff from CHC Bhopalgarh and Dr. S. N. Medical College, Jodhpur. Three resource persons including one from AIIMS, Delhi facilitated the workshop. All the participants were divided into four groups with each group having its own team leader. There were three small didactic sessions followed by practical exercise. Each group made and presented the 'aim' of their own QI projects at the end of the workshop.



Group discussions in progress, POCQI Workshop, AIIMS Jodhpur



Enthusiastic participants, POCQI Workshop, AIIMS Jodhpur

## Department of Nephrology

S.No.	Name	Designation
1	Dr Manish Chaturvedy	Additional Professor
2	Dr Nitin Kumar Bajpai	Associate Professor

### About the Department

The Department of Nephrology, at AIIMS Jodhpur serves as a tertiary-care center for providing treatment related to Kidney diseases. It provides services covering the gamut of clinical Nephrology including treating OPD patients, Inpatients, critical care Nephrology, acute kidney injury and patients of Chronic kidney disease. At present department is performing all nephrology procedures such as kidney biopsies, central venous catheterization both temporary and tunneled, Hemodialysis, continuous therapies, peritoneal dialysis both acute and CAPD. It is a recognized teaching center after the start of DM course since July 2018. Department started live related Renal Transplantation since August, 2019. AIIMS Jodhpur is the first centre to cater renal transplant facility in Western Rajasthan.

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Chaturvedy M. Nutrition in Elderly with Chronic Kidney Disease. Journal of The Indian Academy of Geriatrics 2019; 15: 129-137. DOI:10.35262/jiag.v15i3.129-13
2. Malsawmkima Chhakchhuak, Nitin Bajpai, Abhishek Purohit, CRAB Positive Acute Lymphoblastic Leukemia, Masquerader of Multiple Myeloma. Indian Journal of Haematology and Blood Transfusion October 2019; 36: 417-8.

**Name of Faculty: Dr Manish Chaturvedy**

**Designation: Additional Professor**

#### Sessions Chaired:

1. Poster Sessions. 50<sup>th</sup> Indian Society Of Nephrology Conference- ISNCON -2019; 21<sup>st</sup> - 24<sup>th</sup> November 2019, PGIMER Chandigarh
2. Fluid and electrolyte management in Heart Failure. Cardiology Update, 18<sup>th</sup> – 19<sup>th</sup> January 2020, AIIMS Jodhpur.

#### Invited Lectures

1. Application of Patient Blood Management in Nephrology Patients- Approach and Challenges. International Society of Blood Transfusion –Introducing Patient Blood Management – Transition from Product to Patient Centric Approach, Department of Transfusion Medicine; 29<sup>th</sup> November 2019, AIIMS, Jodhpur

#### Membership/Post in Journal or Society or Association :

1. Executive Editor; Journal of The Indian Academy



**National/ International Conferences attended:**

1. 50<sup>th</sup> Indian Society of Nephrology Conference- ISNCON -2019, PGIMER Chandigarh, 21<sup>st</sup> - 24<sup>th</sup> November 2019

**Name of Faculty: Nitin Kumar Bajpai**

**Designation: Associate Professor**

**Invited Lectures**

1. Fluid and electrolyte management in Heart Failure. Cardiology Update; 18<sup>th</sup> – 19<sup>th</sup> January 2020, AIIMS Jodhpur.

**National/ International Conferences attended:**

1. 50<sup>th</sup> Indian Society of Nephrology Conference- ISNCON -2019, PGIMER Chandigarh, 21<sup>st</sup> - 24<sup>th</sup> November 2019

**Any other information:**

1. Organ donation quiz and poster competition for Medical & Nursing students organized by department of Nephrology on 26<sup>th</sup> Nov 2019 on the occasion of 10<sup>th</sup> Indian Organ Donation day. Winners received cash prize by Institute and Certificates from NOTTO (National Organ & Tissue Transplant Organization)

Participants and organizers in Organ donation quiz and poster competition

Posters display during the event

2. First Renal Transplant: AIIMS Jodhpur conducted its first Live Related Renal Transplantation on 2<sup>nd</sup> Aug and patient discharged on 15<sup>th</sup> Aug, 2019.



Team members, First Renal transplant at AIIMS Jodhpur

## Department of Neurology

S.No.	Name	Designation
1.	Samhita panda	Additional Professor

### About The Department

The Department of Neurology has expanded its academic program as well as outpatient and inpatient services. This year, two more candidates were inducted into the DM course started in 2018 taking the number of Academic Senior Residents to four. Regular academic schedule including seminars, journal clubs, bedside presentations, neuroradiology sessions, neuropsychiatry and neurology-neurosurgery grand rounds were held regularly. Thesis protocols were submitted and work on the dissertations have been regularly updated. The outpatient and in-patient services have grown significantly. Approximately 12137 patients are seen in the outpatient and around 593 patients are admitted in the wards for evaluation and management this year. Many patients have also been admitted from Emergency to the HDU and ICU for neurological problems. A robust stroke team has been put in place now and a total of 115 stroke patients were admitted under Neurology alone of which 28 patients received intravenous thrombolysis and two underwent mechanical thrombectomy in addition by the department of Diagnostic and Interventional Radiology. Ten patients underwent emergency decompressive craniectomies as a lifesaving procedure in stroke patients by the department of Neurosurgery. This year was a landmark year as the Neurology department initiated the Comprehensive Epilepsy Surgery Program at AIIMS, Jodhpur. The Program aims to provide treatment options for difficult to treat epilepsies and envisages the team approach. After a collective decision by the Epilepsy Board where all investigations are reviewed, a surgical plan is devised inclusive of intraoperative electrophysiological and neuroimaging assessment. The first patient was operated on 20<sup>th</sup> November 2019. Since then 9 patients have been operated with Engel class I outcome in 8 patients. Electrophysiology services have further expanded in the department providing services to both outpatients and inpatients amounting to total of 1801 tests. Up to 31<sup>st</sup> March 2020, 981 EEGs were done. In addition, 509 nerve conduction studies, 127 electromyography studies, 114 evoked potential studies and 42 repetitive nerve stimulation tests were done during the same period. The non-invasive presurgical workup for drug resistant epilepsy included 28 video EEGs. In addition, 9 per operative electrocorticography was done. Specialty clinics were also started for Stroke, Epilepsy, Movement disorders and Neuromuscular diseases. Botulinum toxin injections for persistent disabling movement disorders was initiated in September as part of the Movement disorder clinic. Till now 15 Botulinum toxin injection sessions have been given to 12 patients. The department was also involved in undergraduate and postgraduate teaching. Didactic lectures, integrated teaching sessions and unconventional learning classes were conducted for MBBS students in addition to clinical postings. Bedside classes were also taken for MD Medicine students.

**Name Of Faculty: Dr. Samhita Panda**

**Designation: Additional Professor & HOD**

### Publications:

#### Pubmed Indexed:

1. Aneja J, Mahal P, Sudhakar G, Panda S, Tiwari S. Steroid responsive encephalopathy as a semblance of neuroleptic malignant syndrome in a patient with schizophrenia. Indian Journal of Psychological Medicine. 2019;41(5):487-491.
2. Patel S, Dave N, Panda S, Agrawal C. Correlation of different sleep apnea scores with polysomnographic studies in patients with acute stroke and transient ischemic attack. Neurology 2019;Apr 92 (15 Supplement):P3.3-009.

3. Shaikh M, Khera P, Panda S. Unilateral Cerebellar Hypoplasia: A Rare Cause of Childhood Seizures. *J Pediatr Neurosci* 2019;14:236-7.
4. Panda S, Verma D. Intractable hiccups due to isolated parainfectious myelitis. *J Neurosci Rural Pract.* 2020;11(1):202-4.
5. Goswami D, Bhardwaj P, Panda S, Puri I, Khichar S, Singh K. Economic burden of acute stroke care in beneficiaries and non-beneficiaries under social security schemes at tertiary care hospitals of Western Rajasthan. (Accepted in *Annals of Ind Acad Neurol.*)
6. Aneja J, Kuppili PP, Paul K, Panda S, Purohit A. Antiphospholipid syndrome presenting as treatment resistant bipolar disorder and thrombocytopenia in a young male. *J Neuroimmunol* 2020; 343: 577238.
7. Tripathi S, Bhati R, Gopalakrishnan M, Bohra GK, Tiwari S, Panda S, Sahay RR, Yadav PD, Nag VL, Garg MK. Clinical profile and outcome of patients with Crimean Congo Hemorrhagic Fever: A hospital based observational study from Rajasthan, India. *Trans R Soc Trop Med Hyg.* 2020;1-7.
8. Gupta P, Muthukumar N, Rajshekhar V, Tripathi M, Thomas S, Gupta SK, Lal V, Pal P, Abraham M, Behari S, Paliwal V, Singh D, Pandey S, Narasimhan L, Srinivas D, Panda S, Kale SS, Chandra PS. Neurosurgery and Neurology practices during the novel COVID-19 pandemic: A Consensus Statement from India. *Neurol India.* 2020;68(2):246-54.

#### **Papers Presented:**

1. Jain S, Panda S, Sharma S, Tiwari S. Post herpes simplex NMDA-R encephalitis presenting as Kluver Bucy Syndrome. 27<sup>th</sup> annual conference of the Indian Academy of Neurology; 3<sup>rd</sup> -6<sup>th</sup> October 2019, Hyderabad.
2. Jain S, Panda S, Sharma S, Tiwari S. An interesting case of ataxia telangiectasia. 27<sup>th</sup> annual conference of the Indian Academy of Neurology; 3<sup>rd</sup> -6<sup>th</sup> October 2019, Hyderabad.
3. Sharma S, Panda S, Jain S, Tiwari S. An Unusual Case of Acute Onset Quadriplegia. 27<sup>th</sup> annual conference of the Indian Academy of Neurology; 3<sup>rd</sup> -6<sup>th</sup> October 2019, Hyderabad
4. Sharma S, Panda S, Jain S, Tiwari S. Idiopathic CD4 T Lymphocytopenia Syndrome with CNS Mycobacterium other than Tubercular Infection. 27<sup>th</sup> annual conference of the Indian Academy of Neurology; 3<sup>rd</sup> -6<sup>th</sup> October 2019, Hyderabad.
5. Patel S, Dave N, Panda S, Agrawal C. Correlation of different sleep apnea scores with polysomnographic studies in patients with acute stroke and transient ischemic attack. As Poster in World Congress of Neurology 2019; 27<sup>th</sup> - 31<sup>st</sup> October 2019, Dubai.
6. Mishra G, Dwivedi P, Charan J, Panda S, Nag VL, Ambwani S. Study of frequency of UGT1A6 polymorphism and its association with plasma valproic acid level in patients with epilepsy. Indo-Swiss symposium on Pharmacogenomics, a module of JIPMER Integrated Pharmacogenomics program -2019; Puducherry

#### **Sessions Chaired:**

1. Chairperson of Award paper, Epilepsy, Hyderabad, 3<sup>rd</sup>-6<sup>th</sup> October 2019.
2. Faculty and chairperson, 4<sup>th</sup> International Sleep Update 2020; 22<sup>nd</sup>-23<sup>rd</sup> February 2020, Hotel Le-Meridien, Delhi

#### **Invited Lectures:**

1. Video EEG- Procedures & Protocols. Indian Epilepsy School 2019; 22<sup>nd</sup> - 25<sup>th</sup> August 2019, Hotel Indana, Jodhpur
2. As faculty to host session on 'The fading Art of Neurology' and talk on 'Bedside to Laboratory- Hindsight and oversight'. 27<sup>th</sup> Annual conference of the Indian Academy of Neurology; 3<sup>rd</sup> - 6<sup>th</sup> October 2019, Hyderabad.
3. EEG for the Practising Neurologist-Generalized epileptiform abnormalities. ECON 2020; 17<sup>th</sup>-19<sup>th</sup> January 2020, Hotel Hyatt Regency, Ahmedabad

4. Pearls in epilepsy management in women and elderly. International EEG Workshop 2020; 28<sup>th</sup>-1<sup>st</sup> March 2020, RML & PGIMER, Delhi

**Resource Faculty:**

1. Video EEG- Procedures & Protocols. Faculty and resource person as well as organising secretary for the Indian Epilepsy School 2019; 22<sup>nd</sup> - 25<sup>th</sup> August 2019, Hotel Indana, Jodhpur.
2. Public health lecture on Epilepsy. Department of Neurology, AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator-**

1. Collaborator of the Genomics for Understanding Rare Diseases India Alliance Network (GUARDIAN)
2. Electroencephalographic Analysis in Migraine clinical phenotypes. Non-funded

**Membership/Post in Journal or Society or Association :**

1. Member; American Academy of Neurology
2. Reviewer; Epilepsy & Behaviour
3. Reviewer; Indian Journal of Medical Research
4. Reviewer; Annals of Indian Academy of Neurology
5. Reviewer; Neurology India
6. Reviewer; General Hospital Psychiatry
7. Reviewer; Medical Principles and Practice
8. Reviewer; International Journal of Epilepsy
9. Reviewer; International Journal of Medicine and Public Health
10. Reviewer; Annals of National Academy of Medical Sciences (India)

**National/ International Conferences attended:**

1. Indian Epilepsy School 2019, Hotel Indana, Jodhpur, 22<sup>nd</sup> - 25<sup>th</sup> August 2019
2. 27<sup>th</sup> Annual conference of the Indian Academy of Neurology, Hyderabad, 3<sup>rd</sup> - 6<sup>th</sup> October 2019.
3. ECON 2020, Hotel Hyatt Regency, Ahmedabad, 17<sup>th</sup>-19<sup>th</sup> January 2020.
4. 4<sup>th</sup> International Sleep Update 2020, Hotel Le-Meridien, Delhi, 22<sup>nd</sup>-23<sup>rd</sup> February 2020.
5. International EEG Workshop 2020, RML & PGIMER, Delhi, 28<sup>th</sup>-1<sup>st</sup> March 2020.

## Department of Neurosurgery

S.No.	Name	Designation
1	Dr. Deepak Kumar Jha	Professor
2	Dr. Suryanarayanan Bhaskar	Additional Professor
3	Dr. Mayank Garg	Associate Professor
4	Dr. Jaskaran Singh Gosal	Assistant Professor

### About the Department:

The department of Neurosurgery, in 2019-20, added one more faculty member. “Epilepsy Surgery program” took off in collaboration with the Department of Neurology, Radiology and Neuropsychology. We are having epilepsy meet every month wherein the patients of intractable epilepsy are discussed in the meet and possibility of surgical treatment is looked for. The first case of intractable epilepsy was operated in November’ 2019 under the able guidance of Dr. George C Vilanilam, Expert faculty for Epilepsy Surgery from Department of Neurosurgery, SCTIMST, Thiruvananthapuram. By March 2020, eight patients have undergone surgeries for intractable epilepsy and all are seizure free until their last follow up visits (barring one, who had seizure recurrence due to drug default due to unavailability of drug during Covid-19 Lockdown).

During later half of 2019, neuronavigation system (The StealthStation™ S8) was installed in the department, which has made the surgeries especially deep-seated brain lesions, skull base lesions and spinal fixation, safer and less invasive.

Few of the neurosurgical procedures, which are being provided in this part of the country (Rajasthan) only by AIIMS Jodhpur, are:

- a. Peripheral Nerve Surgeries
- b. Craniovertebral Junction Surgeries
- c. Neurovascular Surgeries (Aneurysms/AVMs)
- d. Epilepsy Surgeries
- e. Surgeries under guidance of Neuro-navigation system

The Department has been catering to patients from all over north India with ever-increasing numbers in the OPD, which runs for five days a week. With the inauguration of new OT block, the number of routine OT days also increased to five days a week with 24x7 emergency services.

The Department also moderates monthly neurosciences meet wherein various experts of Jodhpur city from neurosciences share their work and there is mutual exchange of experiences of their respective specialties. The Department played a key role in organizing one national level and one state level conference. The Department won the bid to organize the national skull base conference in 2020.

The Department is also engaged in research work, which include investigator-initiated studies. The intramural project “Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries” wherein we are trying to develop a module to produce low cost spacers for spine surgeries is in advanced stages and will be submitting the report shortly. Patent application related to this project for the ‘*silicon mould*’ has also been submitted. The department has produced many publications in various esteemed journals during this period. The faculty members attended various conferences as invited faculty members wherein they presented their work.

In the coming years, the department strives to reach greater heights and with few more dedicated faculty and devoted students joining the department in future, efforts will continue to further glorify the stature of AIIMS, Jodhpur. We as a Department are committed to provide the best possible patient care and top-notch neurosurgical training to the residents and perform quality research work.

**Compiled list of Publications of the department:****Papers**

1. Gosal JS, Garg M, Bhaskar S, Jha DK. Letter to the Editor Regarding "Langerhans Cell Histiocytosis of the Skull in a Burr Hole Site Covered with Hydroxyapatite Material". *World Neurosurg.* 2020;134:667.
2. Gadhvi M, Singhal A, Sharma G, Kamble P, Gupta U, Garg M, Garg PK, Mohammed S, Sharma RK, Jha DK. Intraoperative Neurophysiological Monitoring (IONM) of Proximal Occlusion of Vertebral Artery in Arteriovenous Malformation: A Case Report. *Indian J Physiol Pharmacol* 2020; 64(1):11-16.
3. Gosal JS, Ruparelia J, Garg M, Praneeth K, Bhaskar S, Jha DK. Giant skull vault defect in a child caused by Langerhans cell histiocytosis: the "calvaria-eating disease. *Childs Nerv Syst* 2020 Mar;36(3):651-654.
4. Patidar RK, Bhaskar S, Gosal JS, Garg M, Jha DK, Elhence P. Surgical Management of Extraocular Muscle Cysticercosis Causing Optic Foramen Syndrome. *Asian J Neurosurg.* 2020;15(1):165-167.
5. Bhaskar S, Gosal JS, Garg M, Jha DK. Letter to the Editor Regarding "Why Would Two Patients With No Disease Be Offered Unnecessary Transforaminal Lumbar Interbody Fusions?" *Surg Neurol Int.* 2019 Dec 6;10:238.
6. Shukla K, Bhaskar S, Garg M, Bharti JN, Yadav A, Jha DK. Long-segment intramedullary spinal dermoid. *Interdisciplinary Neurosurgery.* June 2020; 20: 100648.
7. Shukla K, Gosal JS, Garg M, Bhaskar S, Jha DK, Tiwari S. Atypical variant of Bastrup's disease with lumbar stenosis and cauda equina syndrome. *Surg Neurol Int* 2019 Oct. 11;10:198.
8. Jha DK, Khera P, Bhaskar S, Garg M. Three-Dimensional Volume Rendering: An Underutilized Tool in Neurosurgery. *World Neurosurg* 2019 Oct;130:485-492.
9. Gupta A, Chaturvedi S, Jha D, Chaturvedi M. Revisiting metastatic central nervous system tumors with unknown primary using clinicopathological findings: A single neurosciences institutional study. *Indian J Pathol Microbiol* 2019; 62:368-74.
10. Jha DK, Garg M, Chug VK, Bhaskar S, Khera S. Methyl methacrylate Inter-facet and Inter-vertebral Body Spacers for Cranio-vertebral Junction (CVJ) and Various Spine Surgeries Respectively. *The Patent Office Journal* No. 28/2019 Dated 12/07/2019; pp- 29105.
11. Garg M, Garg K, Singh PK, Satyarthee GD, Agarwal D, Mahapatra AK, Sharma BS. Neurogenic Fever in Severe Traumatic Brain Injury Treated with Propranolol: A Case Report. *Neurol India.* 2019 Jul-Aug; 67(4):1097-1099.
12. Bhaskar S, Gosal JS, Garg M, Jha DK. Letter: The Neurological Examination. *Oper Neurosurg (Hagerstown).* 2020 Mar 6. doi: 10.1093/ons/opaa047. Online ahead of print. PMID: 32147697

**Non-Pubmed Indexed:**

1. Khandelwal A, Singh GP, Garg M, Chaturvedi. A New Onset Intraparenchymal Hemorrhage Following Infant Feeding Tube-Guided Evacuation of Chronic Subdural Hematoma: A Report of Two Cases. *J Neuroanaesthesiol Crit Care* 2019 doi: <https://doi.org/10.1055/s-0039-1696080>
2. Garg M, Kumar A, Singh PK, Agrawal D, Satyarthee GD, Gupta D, Gurjar HK, Mishra S, Chandra PS, Kale SS. Single-Stage Transpedicular Approach for Circumferential Arthrodesis in Traumatic Lumbar Vertebral Body Burst Fractures. *Indian Journal of Neurotrauma (IJNT)* 2019; 16(01): 14-20

**Name of Faculty: Dr. Deepak Kumar Jha**

**Designation: Professor and Head**

**Sessions Chaired:**

1. Free paper session. SKULLBASECON-2019; 9<sup>th</sup> -12<sup>th</sup> October 2019, Hotel Le Meridian, Coimbatore.
2. Pros and Cons: Spine fixation. KGNEUROCON 2019, 18<sup>th</sup> -20<sup>th</sup> October 2019, Centenary Hospital, KGMU, Lucknow

3. Chair Person, NCPE 2019, AIIMS Jodhpur.
4. Organizing Chairperson. Jodhpur Neurosciences Endo spine CME cum workshop. 20<sup>th</sup> -22<sup>nd</sup> December 2019, Dr. S N Medical College, Jodhpur

#### Invited Lectures

1. Assessment and clearing of cervical spine after trauma. Neurotruma 2019; 23<sup>rd</sup> -25<sup>th</sup> August 2019, Jaypee palace & convention Centre, Agra.
2. Large skull base lesions: tricky terrain to travel. SKULLBASECON-2019; 9<sup>th</sup> -12<sup>th</sup> October 2019, Hotel Le Meridian, Coimbatore.
3. Single level lumbar PIVD with grade I listhesis – to fuse or not to fuse. KGNEUROCON 2019, 18<sup>th</sup> -20<sup>th</sup> October 2019, Centenary Hospital, KGMU, Lucknow.
4. Exploiting radiology in neurotrauma for surgical planning. 6th AIIMS Annual Neurotrauma Conference, 20<sup>th</sup> - 22<sup>nd</sup> March 2020, AIIMS New Delhi.

#### Resource Faculty:

1. Organizing Chairperson. Jodhpur Neurosciences Endo spine CME cum workshop; 20<sup>th</sup> -22<sup>nd</sup> December 2019, Dr. S N Medical College, Jodhpur

#### Research Project:

##### Ongoing:

##### As Co-Investigator

1. Expression analysis of inflammasome-forming NLRs in gliomas for identification of novel therapeutic interventions. Funding Agency: Department of Biotechnology. Collaborating Institute: IIT Jodhpur.
2. Comparison of Preoperative and postoperative SSEP and BAEP parameters in Patients undergoing cerebellopontine angle tumors. Department of Physiology, AIIMS Jodhpur.
3. Role of Early Postoperative CT scan in Elective Cranial Surgeries. Department of Neurosurgery, AIIMS Jodhpur.
4. Correlation of Patient Satisfaction with ECOG Performance Score and Socioeconomic status in Patients undergoing Cranial Surgery – An Observational Study. Department of Neurosurgery, AIIMS Jodhpur.
5. Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries respectively. Intramural Project
6. Development of protocol for isolation of primary microglia from human brain tissue. AIIMS-IIT Jodhpur joint project fund.

#### Scientific Awards/Patents

1. Title of the patent is 'Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers for Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries respectively'. Patent Application filed on 29.6.2019 to 'The Controller General of Patents, Designs & Trade Marks Plot No. 32, Sector 14, Dwarka, New Delhi-110075' with application number 201911026032.

#### Examinership

1. MCh (Neurosurgery). Dr Ram Manohar Lohia Institute of Medical Sciences, Lucknow. 16<sup>th</sup> -17<sup>th</sup> July 2019
2. MCh (Neurosurgery). RML Hospital and PGIMER, New Delhi. 19<sup>th</sup> -20<sup>th</sup> July 2019
3. MCh (Neurosurgery). MDM Hospital, Jodhpur. 7<sup>th</sup> -8<sup>th</sup> August 2019

#### National/ International Conferences attended:

1. Neurotruma 2019, Jaypee palace & convention Centre in Agra, 23<sup>rd</sup> -25<sup>th</sup> August 2019
2. SKULLBASECON-2019, Hotel Le Meridian, Coimbatore, 9<sup>th</sup> -12<sup>th</sup> October 2019
3. KGNEUROCON 2019, Centenary Hospital, KGMU, Lucknow, 18<sup>th</sup> -20<sup>th</sup> October 2019



4. Jodhpur Neurosciences Endo spine CME cum workshop Org. Chairperson, Dr. S N Medical College, Jodhpur, 20<sup>th</sup> -22<sup>nd</sup> December 2019
5. 22<sup>nd</sup> AIIMS Annual MicroNeurosurgery workshop, AIIMS New Delhi, 12<sup>th</sup> -15<sup>th</sup> February 2020
6. 6<sup>th</sup> AIIMS Annual Neurotrauma Conference, AIIMS New Delhi, 20<sup>th</sup> - 22<sup>nd</sup> March 2020

**Name of Faculty: Dr. S Bhaskar**  
**Designation: Additional Professor**

**National/ International Conferences attended:**

1. Neurotruma 2019, Jaypee palace & convention Centre in Agra, 23<sup>rd</sup> -25<sup>th</sup> August 2019.
2. SKULLBASECON-2019, Hotel Le Meridian, Coimbatore, 9<sup>th</sup> -12<sup>th</sup> October 2019.
3. KGNEUROCON 2019, Centenary Hospital, KGMU, Lucknow, 18<sup>th</sup> -20<sup>th</sup> October 2019.
4. Jodhpur Neurosciences Endo spine CME cum workshop as Organizing Chairperson, Dr. S N Medical College, Jodhpur, 20<sup>th</sup> -22<sup>nd</sup> December 2019.
5. ISSFN annual Conference - Sep 19-21
6. Workshop on Cranial Stereotaxy- frame and frameless Sep 19, AIMS, Kochi
7. NSI- Teaching Course Faculty- GB Pant Sep 28-29, 2019
8. SBSSI Annual Conference- Coimbatore Oct 9-11

**Scientific Awards/Patents**

1. Jha DK, Garg M, Chug VK, Bhaskar S, Khera S. Methyl methacrylate Inter-facet and Inter-vertebral Body Spacers for Cranio-vertebral Junction (CVJ) and Various Spine Surgeries Respectively. The Patent Office Journal No. 28/2019 Dated 12/07/2019; pp- 29105.

**Name of Faculty: Dr. Mayank Garg**  
**Designation: Associate Professor**

**Workshops/ Conferences Organized**

1. The 14th Indian Epilepsy School 2019. Jointly organized by Departments of Neurology, All India Institute of Medical Sciences, Jodhpur and S.N. Medical College; 22<sup>nd</sup> – 25<sup>th</sup> August 2019, Hotel Indana, Jodhpur
2. Jodhpur Neurosciences Endospine CME cum workshop by Dept. of Neurosurgery, Jointly by Dr. S. N. Medical College and AIIMS; 20<sup>th</sup> -21<sup>st</sup> December 2019, Dr. S. N. Medical College, Jodhpur

**Sessions Chaired:**

1. Dural AVf and AVM management. 1st AJ-NR; 16<sup>th</sup> -17<sup>th</sup> Nov 2019, AIIMS, Jodhpur
2. Endovascular management of Neurovascular pathologies. Jodhpur neurosciences Endospine CME cum workshop; 20<sup>th</sup> -21<sup>st</sup> Dec 2019, Dr. S. N. Medical college

**Invited Lectures**

1. Head Injury and cervical spine injury: Diagnosis and management. AOCCMF course; 10<sup>th</sup> – 11<sup>th</sup> August 2019, AIIMS Jodhpur

**Resource Faculty:**

1. Cadaveric workshop – dorsolumbar pedicle screw placement. AIIMS Spinecon 2019; 19<sup>th</sup> -22<sup>nd</sup> October, AIIMS, New Delhi

**Research Project:****Ongoing:**

1. Principal Investigator: Methylmethacrylate Inter-Facet and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries respectively. Intramural
2. Principal Investigator: Comparison of epidural morphine versus epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, randomized control study. Non-Funded

**Scientific Awards/Patents**

1. Jha DK, Garg M, Chug VK, Bhaskar B, Khera P.vMethylmethacrylate Inter-Facet And Inter-Vertebral Body Spacers For Cranio-Vertebral Junction (Cvj) And Various Spine Surgeries Respectively. The Patent Office Journal, 2019 July 12 : 28

**Membership/Post in Journal or Society or Association**

1. Assistant Editor; IJNT (Indian Journal of Neurotrauma)
2. Life Member; SBSSI (Skull Base Surgery Society of India)

**National/ International Conferences attended**

1. AIIMS Spinecon 2019, AIIMS, New Delhi, 19<sup>th</sup> -22<sup>nd</sup> October
2. AIIMS microneurosurgery workshop, AIIMS, New Delhi, 13<sup>th</sup> -15<sup>th</sup> Feb

**Name of Faculty: Dr. Jaskaran Singh Gosal**  
**Designation: Assistant Professor**

**Books/Chapters**

1. Kumar A, Gosal JS, Dixit P, et al. Retromastoid Suboccipital Keyhole Craniectomy and Endoscopic Controlled Excision of a Left Middle Cerebellar Peduncle Cavernoma. In: Behari S, Jaiswal AK, Srivastava AK, et al, eds. The Operative Atlas of Neurosurgery: A Compendium of 120 Neuro-oncological, Case-based, Surgical Approaches. New Delhi: Thieme; 2020 (ahead of print)
2. Das KK, Khatri D, Singh S, Gosal JS. Microsurgical excision of spinal intramedullary hemangioblastoma. In: Behari S, Jaiswal AK, Srivastava AK, et al, eds. The Operative Atlas of Neurosurgery: A Compendium of 120 Neuro-oncological, Case-based, Surgical Approaches. New Delhi: Thieme; 2020 (ahead of print)

**Papers Presented:**

1. Role of 3D Volume Rendering Technique in Neuro-oncology. Surgical Neuro-oncology Update; 28<sup>th</sup> Feb- 1<sup>st</sup> Mar 2020, SGPGI, Lucknow.

**Sessions Chaired:**

1. Dural AVF and AVM Management. Neuroradiology (AJ-NR) Update; 16<sup>th</sup> -17<sup>th</sup> Nov 2019, AIIMS Jodhpur

**Invited Lectures**

1. Role of 3D Volume Rendering Technique in Neuro-oncology. SGPGI Annual Neurosurgery Oration 2020, Surgical Neuro-oncology Update; 28<sup>th</sup> Feb- 1<sup>st</sup> Mar 2020, SGPGI, Lucknow.

**Resource Faculty:**

1. Jodhpur Neurosciences Endospine CME Cum Workshop, 20<sup>th</sup> -21<sup>st</sup> Dec 2019, held at Dr. S N Medical College, Jodhpur.
2. 22<sup>nd</sup> AIIMS Micro-Neurosurgery Workshop; 13<sup>th</sup> -15<sup>th</sup> Feb 2020, AIIMS, New Delhi.

**Research Project:****Ongoing:****As Principal Investigator**

1. Assessment of Efficacy of Phenytoin and Levetiracetam in prevention of Early Post Traumatic Seizures: A Prospective Randomized Placebo controlled study. Intramural Proposal submitted.

**As Co-Investigator**

1. Acute Normovolemic Hemodilution in Intracranial Meningiomas, Arteriovenous Malformations & High Grade Vascular Brain Tumor Surgeries - A Prospective Randomized Controlled Study. Proposal submitted

**Membership/Post in Journal or Society or Association :**

1. Member; EANS (European Association of Neurosurgical Societies)
2. Reviewer; World Neurosurgery
3. Reviewer; World Journal of Surgical Oncology

**National/ International Conferences attended:**

1. Neuroradiology (AJ-NR) Update, AIIMS Jodhpur (chaired session on Dural AVF and AVM Management), 16<sup>th</sup> -17<sup>th</sup> Nov 2019.
2. Jodhpur Neurosciences Endospine CME Cum Workshop, Dr. S N Medical College, Jodhpur, 20<sup>th</sup> -21<sup>st</sup> Dec 2019.
3. 22<sup>nd</sup> AIIMS Micro-Neurosurgery Workshop, AIIMS, New Delhi, 13<sup>th</sup> -15<sup>th</sup> Feb 2020.
4. SGPGI Annual Neurosurgery Oration 2020: 'Surgical Neuro-oncology Update', SGPGI, Lucknow, 28<sup>th</sup> Feb- 1<sup>st</sup> Mar 2020.

**Workshops/ Conferences Organized**

1. Jodhpur Neurosciences Meets. Organized by department of Neurosurgery at LT 1, AIIMS in months of August, October in 2019 and in the month of February 2020.

**Eminent Visitors:**

1. Dr. George C Vilanilam ,Expert faculty for Epilepsy Surgery from Department of Neurosurgery, SCTIMST, Thiruvananthapuram

## Department of Nuclear Medicine

Sl. No.	Name of Faculty	Designation
1.	Dr. Rajesh Kumar	Additional Professor
2.	Dr. Sameer K Taywade	Assistant Professor
3.	Dr. Arun Prashanth K	Assistant Professor

### About the Department

Nuclear Medicine is the medical speciality which deals with assessment of physiology to diagnose and treat various medical conditions by in vivo administration of different radiopharmaceuticals. Nuclear Medicine has been the integral part of clinical practice and research.

To fulfil the unmet need of Nuclear Medicine in Rajasthan, the department of Nuclear Medicine was planned according to Atomic Energy Regulatory board guidelines with provision for Gamma camera SPECT-CT and PET-CT facilities at AIIMS Jodhpur. Department of Nuclear Medicine was inaugurated on 26<sup>th</sup> January 2020 with state of the art Gamma camera SPECT with 16 slice CT Hybrid imaging system. This is the first Nuclear Medicine facility in government institutes in the state of Rajasthan. SPECT-CT nuclear scans are performed to obtain physiological as well as anatomical information of various organ systems.

Department of Nuclear Medicine strives to provide quality Health care service along with Academic and Research excellence.

### Patient care:

Currently, we have initiated SPECT-CT nuclear scans for various indications in Neurology (brain imaging), Endocrinology (thyroid and parathyroid imaging), Cardiology (Evaluation of Myocardial Ischemia and Viability), Urology (Dynamic renal scan, Vesico-ureteric reflux, Cortical renal scan), Nephrology (GFR estimation), Orthopaedics (Bone scan), Oncology (Metastatic work-up) along with HIDA, Lymphoscintigraphy and Gastroesophageal reflux scan.

During the two months of departmental functioning we have performed a total of 228 nuclear scans as mentioned below:

- DTPA/EC Renogram – 88
- Bone scan – 52
- DMSA Renal scan – 37
- Thyroid scan – 24
- Myocardial Perfusion Scan (Stress/Rest) – 6
- Myocardial Viability scan – 11
- HIDA – 3
- Parathyroid scan – 2
- Gastroesophageal reflux scan – 1
- Brain tumor scan – 1
- Lymphoscintigraphy – 1
- Dacryoscintigraphy – 1

We have also started OPD consultation services for the patients with thyroid malignancy and hyperthyroidism.

We have incorporated Hospital information system (HIS) in routine work flow along with paperless online reporting and image archiving.

**Academic activities:**

Departmental academic activities including seminars and journal clubs by Senior Resident and Medical Physicists were also initiated simultaneously.

Faculty members were actively involved in interdepartmental meetings like Tumor board, Clinico-pathological correlation and Clinical Grand rounds.

We were part of medical Undergraduate & Postgraduate teaching. Microteaching sessions were also organised for Senior Resident and Nursing postgraduates.

6th Academic Committee Meeting held on 2nd January 2020 approved two postgraduate (MD Nuclear Medicine) seats from July 2020 academic session.

**Future plans:****Patient care:**

Department plans to develop the below mentioned patient care facilities:

- High end Digital Ready PET with 128 slice CT scanner system is under installation. This facility is expected to be commissioned by August 2020. It would be first of its kind in the government setup in Rajasthan.
- Low dose radioiodine therapy for treatment of hyperthyroidism and differentiated thyroid cancer.
- Metastatic bone pain palliation therapy
- High Dose Therapy ward for the treatment of differentiated thyroid cancer, prostate cancer, neuroectodermal tumor, etc.

**Academic & Research activities:**

- Commencement of MD Nuclear Medicine from July 2020 session
- Collaborative interdepartmental research projects
- Interdepartmental academic meetings

**Compiled list of Publications of the department:****Papers****PubMed Indexed:**

1. Shetty S, Kumar R, Bharati S. Mito-TEMPO, a mitochondria-targeted antioxidant, prevents N-nitrosodiethylamine-induced hepatocarcinogenesis in mice. *Free Radical Biology and Medicine*. 2019; 136: 76-86.
2. Balakrishnan R, Dalakoti P, Nayak DR, Pujary K, Singh R, Kumar R. Efficacy of HRCT Imaging vs SPECT/CT Scans in the Staging of Malignant External Otitis. *Otolaryngology–Head and Neck Surgery*. 2019; 161(2): 336–342.
3. Baby PM, Kumar P, Kumar R, Jacob SS, Rawat D, Binu VS, Karun KM, Bhat NB. Serial blood volume estimation in rabbits using trivalent chromium—An exploratory study. *MethodsX*. 2019; 6:1068-71.
4. Nath A, Prashanth A, Lal H, Kumar S, Barai S, Gambhir S. Robotic-assisted computed tomography-guided 18F-FDG PET/computed tomography-directed biopsy for diagnosis of intra thoracic lesions: An experience from a tertiary care centre in North India. *Nucl Med Commun*. 2020;41(3):246-251.
5. Sakthivel P, Thakar A, Prashanth A, Kumar R, Sharma SC, Kumar R. Juvenile Nasal Angiofibroma on <sup>68</sup>Ga-DOTANOC PET/CT: Exploring Theranostic Avenues. *Indian J Nucl Med*. 2020;35(2):176-177.
6. Sakthivel P, Thakar A, Prashanth A, et al. Prostate-Specific Membrane Antigen Expression in Primary Juvenile Nasal Angiofibroma-A Pilot Study. *Clin Nucl Med*. 2020;45(3):195-199.
7. Sakthivel P, Thakar A, Prashanth A, Kumar R, Sharma SC, Kumar R. Juvenile Nasal Angiofibroma on <sup>68</sup>Ga-DOTANOC PET/CT: Exploring Theranostic Avenues. *Indian J Nucl Med*. 2020;35(2):176-177.

**Non-Pubmed Indexed:**

1. Rai L, Hebbar S, Vengetesh PM, Kumar R. Association of Insulin Indices and Glucose Tolerance Test During Pregnancy in South Indian Women. Online J Health Allied Scs. 2019;18(1):2.

**Eminent visitors:**

1. 10<sup>th</sup> January 2020 : Dr. B R Mittal, Professor and Head, Department of Nuclear Medicine, PGIMER, Chandigarh
2. 10<sup>th</sup> January 2020 : Dr. Chetan Patel, Professor, Department of Nuclear Medicine, AIIMS, New Delhi

**Name of Faculty: Dr. Rajesh Kumar**

**Designation: Additional Professor & Head**

**Sessions Chaired:**

1. Panellist– “Management of Thyroid Swelling”, Annual Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ-2019, 19th - 20th October 2019, AIIMS, Jodhpur.
2. Panellist discussion – “Tumor Board-Cancer Endometrium”, 1st Rajasthan state chapter conference of Association of Gynecologic Oncologists of India RAJAGOICON-2020, 22<sup>nd</sup> - 23<sup>rd</sup> February 2020, AIIMS, Jodhpur.

**Resource Faculty:**

1. “Syllabus framing workshop for Screening Test for recruitment to the post of Assistant Professor, Nuclear Medicine in Rajasthan Public Service Commission”, 6th March 2020, Rajasthan Public Service Commission, Ajmer.

**Scientific Awards/Patents**

1. Certification of Appreciation awarded for Excellence in Research for the contribution towards Dr. T.M.A.Pai Gold Medal Outstanding Research Publication titled “Mito-TEMPO, a mitochondria-targeted antioxidant, prevents N-nitrosodiethylamine-induced hepatocarcinogenesis in mice”. 21<sup>st</sup> Annual and Awards day at Manipal College of Health Professions, Manipal. 4<sup>th</sup> January 2020.
2. 1<sup>st</sup> Prize, Poster, 4<sup>th</sup> Annual Conference of Nuclear Medicine Physicist Association of India, Manipal Academy of Higher Education, Manipal, 29 February – 1<sup>st</sup> March 2020

**Membership/Post in Journal / Society / Association**

1. Member of European Society for Hybrid, Molecular and Translational Imaging.

**National/ International Conferences attended:**

1. American Thyroid Association - Indian Thyroid Society Conference, Bangalore, 17<sup>th</sup>-19<sup>th</sup> May 2019.
2. CHILI – Conference on Hybrid Imaging Live. European Society for Hybrid, Molecular and Translational Imaging. Vienna, Austria, 25<sup>th</sup> October 2019.
3. 51<sup>st</sup> Annual Conference of Society of Nuclear Medicine, India. Tata Memorial Centre, Mumbai, 12<sup>th</sup> – 15<sup>th</sup> December 2019.

**Name of Faculty: Dr. Sameer K Taywade**

**Designation: Assistant Professor**

**Resource Faculty:**

1. Orientation training for Academic counsellors and Programme In-charges of the Post Graduate Certificate in Medical Management of CBRNE disasters (PGCMDM) programme (IGNOU-INMAS, DRDO Collaboration); 26<sup>th</sup> -29<sup>th</sup> Nov 2019, INMAS, Delhi
2. Syllabus review/framing workshop for screening test for the post of Assistant Professor Nuclear Medicine in Rajasthan Public Service Commission; 6<sup>th</sup> March 2020, Rajasthan Public Service Commission, Ajmer

**Name of Faculty: Dr. Arun Prashanth K**

**Designation: Assistant Professor**

**Membership/Post in Journal / Society / Association**

1. Member, Association of Nuclear Medicine Physicians of India

**Any other information:**

1. Pursuing a post graduate program in "Artificial Intelligence and Machine learning"

**Departmental photographs:**

The inauguration of the Department of Nuclear Medicine, 26<sup>th</sup> Jan 2020, AIIMS Jodhpur



Inaugural ceremony, 26<sup>th</sup> Jan 2020, AIIMS Jodhpur



State-of-the-art services in Nuclear Medicine now available at AIIMS Jodhpur



## Department of Obstetrics & Gynecology

S.No.	Name	Designation
1	Dr Pratibha Singh	Professor & Head
2	Dr Shashank Shekhar	Additional Professor
3	Dr Navdeep Kaur Ghuman	Associate Professor
4	Dr Charu Sharma	Associate Professor
5	Dr Manu Goyal	Associate Professor
6	Dr Garima Yadav	Associate Professor
7	Dr Meenakshi Gothwal	Associate Professor
8	Dr Priyanka Kathuria	Assistant Professor
9	Dr.Manisha Jhirwal	Assistant Professor (Trauma & Emergency)

### About the Department:

The Department of Obstetrics & Gynecology comprises of nine faculty members, seven Senior Residents and 22 academic Junior Residents. The department is enthusiastically involved in undergraduate and post graduate teaching and is equally involved in patient care and research.

**Teaching:** The department is actively involved in teaching medical undergraduate and post graduate and nursing students. Contemporary and unconventional teaching methods are regularly inculcated in curriculum.

Undergraduate teaching program incorporates lectures, UNCLE, demonstrations, clinical OPD and bedside learning. Postgraduate teaching module includes regular seminars, journal clubs, case based discussions, perinatal meets and tumor boards, which also frequently involves faculty from other departments for a multidisciplinary approach.

### Patient care:

- OPD:** The department has two units which streamlines the workflow. The antenatal and gynecology OPD run parallel by assigned faculty members on daily basis. The number of OPD cases, IPD admissions and labor room admissions have significantly increased over last one year. In last year, 25054 gynecological patients and 20431 (both new and old) pregnant women were seen in OPD. Various minor procedures are done on OPD basis.
- Labor room:** Labor room was relocated to the new wing this year, thereby increasing the inpatient capacity of the labor room. There we have separate areas for triage of patients, counselling, observation of laboring females, high risk antenatal patients and postpartum care. We also have feeding room, store room and utility room there. There were 2280 deliveries in last year. Many complicated and difficult cases which were referred from other centers were optimally managed by the department.
- OT:** The department has achieved expertise in laparoscopic and Robotic surgeries. Many difficult surgeries were done by minimal access route.. Total 521 Major and 162 minor surgeries were done in the last year including laparoscopic surgery

**Fetal medicine:** Fetal medicine was incorporated in the services offered by the department this year. A number of prenatal invasive procedures including 52 amniocentesis and 4 CVS were done. A few therapeutic invasive procedures like Intra Uterine Transfusions were also carried out, first time in Jodhpur and Rajasthan to the best of our knowledge.

**Research:** Faculty members and residents are actively involved in various research activities in the department. Various research projects have been completed and many of them are still going on.

**Future Plans:** The team at department of Obstetrics & Gynecology is committed to establish a fully functional and advanced IVF unit and ground work for the same has been done.

**Compiled list of Publications of the department :****Papers****Pubmed Indexed:**

1. Shekhar S, Nag VL, Singh P, Kaushal R, Goyal SB Chandra C. Rubella Seroprevalence among Female Medical Nursing students of Tertiary care Teaching Institute and its correlation with Socioeconomic status. *Ind J Community Medicine*. 2020 (45).
2. Shekhar S, Jeyaseelan L. Laparoscopic or Open Radical Hysterectomy for Early Stage Cancer Cervix: Data Inconsistency of LACC Trial. *Asian Pac J Cancer Prev*, 20 (10), 2881-2881
3. Shekhar S, Sharma C, Elhence P, Bansal S, Garg N. A case of high-grade endometrial stromal sarcoma: A poignant allegory. *J -Life Health*. 2019 Oct 1;10(4):209
4. Goyal M, Batra S, Singh P, Shekhar S, Elhence P. Swyer syndrome with heterotopic adrenal cortical tissue in streak gonads: A rare case and review of literature. *J Hum Reprod Sci* 2019;12:345-7
5. Disha, Chambial S, Goyal M, Kumar PK, Ghosh R, Sharma P. Association of raised blood lead levels in pregnant women with preeclampsia: A study tertiary centre. *TaiwanJObstet Gynecol*. 2019; 58(1):60-63.
6. Yadav G, Sharma P, Gothwal M, Singh P, Kathuria P. Retrospective analysis of data of mothers delivering under various categories of Robson's classification in order to determine the trend of caesarean sections in a tertiary care hospital of western Rajasthan. *IJSR*.2019;8(8):1-3
7. Yadav G, Solanki V, Bharti JN, Bharti S, Singh P, Gothwal M. Pure transitional cell carcinoma of the ovary presenting as bilateral complex cystic masses in a pre-menopausal woman- case report with review of literature. *J Mid-life Health*2019;10:156-9.
8. Gothwal M, Rodha M, Surekha B, Singh P, Yadav G, Sethi P. Gossypiboma - A Nightmare for Surgeon: A Rare Case with Review of Literature. *J Midlife Health*. 2019;10(3):160-162.
9. Singh P, Gothwal M, Yadav G, Ghuman N, Elhence P. Correlation in cervical cytology, colposcopy and histopathology for detection of pre-malignant lesions of cervix: a study from western Rajasthan. *International Journal of Gynecologic Cancer*. Sep 2019, 29(Suppl3) A147;DOI:10.1136/igcs.353.
10. Singh P, Gothwal M, Yadav G, Sharma P. Do doctors themselves get screened for cervical cancer?-a questionnaire based study from western Rajasthan (India). *International Journal of Gynecologic Cancer*. Sep 2019,29(Suppl3) A185-186;DOI:10.1136/igcs-2019-IGCS.452.
11. Singh P, Gothwal M, Yadav G, Singh K. Complete androgen insensitivity syndrome: Dilemmas for further management after gonadectomy. *Journal of human reproductive sciences* 2019;12:348-50.
12. Kansara M, Yadav G, Gothwal M, Singh P. Yolk sac tumour of ovary with fever and overt hypothyroidism: rare clinical presentation. *BMJ Case Reports CP* 2020;13:e232114.
13. Gothwal, M., Tak, A., Aggarwal, L., Rathore, A. S., Singh, P., Yadav, G., Sharma, C. A study of knowledge, attitude, and practice of contraception among nursing staff in All India Institute of Medical Sciences, Jodhpur, Rajasthan. *Journal of family medicine and primary care*.2020; 9(2): 706–710
14. Gothwal M, Singh P, Bharti JN, Yadav G, Solanki V. Giant cervical angiomyomatous polyp masquerading third-degree uterine prolapse: A rare case with review of literature. *International Journal of Applied and Basic Medical Research*. 2019 Oct;9(4):256.
15. Jhirwal M, Pipal VR, Meena SP Case series of Hepatic encephalopathy in pregnancy: Presentation, cause and outcome. [*International Journal of Current Advanced Research*] November 2019; Volume 8; Issue 11 (B): Page No.20452-20454

**Non-Pubmed Indexed:**

1. Bagga N, Elhence P, Rao M, Nalwa A, Khera S, Bharti JN, Shekhar S. A prospective study of cervical lesions diagnosed by liquid based cytology in Western Rajasthan, India population. *Int J Res Med Sci*. 2019 Nov 27;7(12):4573–7
2. Ghuman NK, Patravali N, Kini S. One size doesn't fit all: use of clomiphene citrate in anovulatory and Unexplained subfertility. *International Journal of Recent Scientific Research*. 2019 Oct 10;11(G): 35658-35661. (<http://www.recentscientific.com/one-size-doesn't-fit-all-use-clomiphene-citrate-anovulatory-and-unexplained-subfertility>)
3. "Unruptured ovarian ectopic gestation-a rare clinical scenario." Accepted for publication in *IJRCOG*.

- Sharma C, Yadav A, Singh SS, Mehrotra M, Prakash A. Obstetric Cerebral Venous Thrombosis: a clinical dilemma. *Journal of Clinical and Diagnostic Research*. 2019.13(8); QC10-QC13
- Goyal M, Singh P. Endometriosis. *AOGD Bulletin* 2019 (Oct); 22-6.
- Singh P, Gothwal M, Yadav G, Ghuman NK. Cystadenofibroma of Ovary: A Rare Case Report. *J South Asian Feder Menopause Soc* 2019;7(2):94–96

**Name of Faculty: Dr Pratibha Singh**  
**Designation: Professor & Head**

**Books/Chapters**

- Singh P, Singh P, Shekhar S, Goyal M, Yadav G. Introduction to Laparoscopy In: *Manual of Basic Laparoscopy* Jodhpur, 2019:

**Papers Presented:**

- Singh P, Singh K, 'Digital Learning –engaging medical students using Audience Response System' at TUHF conference organized by Flinders University and Thenet on 11-13 Sept 2019, Darwin Australia
- Singh K, Singh P "AIIMS Jodhpur model of medical education: experience, acceptance and adaptability" at TUHF conference organized by Flinders University and Thenet on 11-13 Sept 2019, Darwin Australia
- Sharma C, Singh P, Shekhar S, Gothwal M, Jhirwal M. OSCE as a learning tool for residents: Flipping their roles. 7th National Conference on Pediatric Education- 3rd to 5th Nov 2019
- Sharma C, Gothwal M, Singh P, Shekhar S, Jhirwal M. Prenatal Invasive Testing – 'Teething Troubles' ICOG FOGSI National Conference, Bhubaneswar 29th Nov to 1st Dec 2019
- Patwa P, Sharma C, Shekhar S, Singh P, Ghuman NK. Association of Gestational Diabetes Mellitus (GDM) with Body Mass Index (BMI): a Prospective cohort study 6th September 2019 at RCOG Kolkata.

**Sessions Chaired:**

- Chaired session on ovulation induction, ISAR Rajasthan chapter CME on 3<sup>rd</sup> Aug 2019, AIIMS, Jodhpur
- Session on Post graduate teaching-ways to improve it-Blended learning in 7<sup>th</sup> national conference of Pediatric medical education on 4<sup>th</sup> & 5<sup>th</sup> Nov. at AIIMS Jodhpur
- Session on Surgical Competencies in 7<sup>th</sup> national conference of Pediatric medical education on 4<sup>th</sup> & 5<sup>th</sup> Nov. at AIIMS Jodhpur

**Invited Lectures-**

- HPV Genotyping- Is it Mandatory? 23<sup>rd</sup> AICOG, 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upwan, Lucknow
- 'New FIGO staging for cancer cervix' at 1<sup>st</sup> RAJAGOICON 22-23 Feb 2020, AIIMS Jodhpur
- Gyne-Oncology current status & way forward at 1<sup>st</sup> RAJAGOICON 22-23 Feb 2020, AIIMS Jodhpur
- Moderator for panel- Adnexal mass in West zone Indian Menopausal society conference from 12-13 Oct 2019 at Bhopal

**Resource Faculty:**

- Skill Station on Shoulder Dystocia, 23<sup>rd</sup> AICOG, 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upwan, Lucknow
- Judge for free papers at 23<sup>rd</sup> AICOG, 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upwan, Lucknow

**Research Project:****Ongoing:****As Co-Investigator**

- Retrospective Analysis of outcomes of Primary versus Interval debulking surgery in cases of advanced EOC

2. Laparoscopic Neo-Vaginoplasty: Single Centre Experience, AIIMS Jodhpur.
3. Expression of microRNAs (miR 187 & miR146) and their association with pro and anti inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-κB in pregnancies complicated by Pre-eclampsia, AIIMS Jodhpur.
4. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome Intramural Project, AIIMS Jodhpur.
5. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis. non-funded, AIIMS Jodhpur.
6. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- single centre experience.- non-funded, AIIMS Jodhpur.
7. First trimester maternal serum PAPP-A and free-beta subunit hCG & NT (Combined Screen markers) and its association with adverse pregnancy outcome, AIIMS Jodhpur.
8. The measurements of 'normal vulva' of Indian women : a cross-sectional prospective study, AIIMS Jodhpur.
9. To assess the validity of reference ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status.- Intramural, AIIMS Jodhpur.
10. Predictors of ovarian function reserve in premenopausal patients with breast cancer-Prospective study. Intramural, funded by AIIMS Jodhpur
11. Inter and Intra-observer agreement on Hystersalphingography (HSG)-A prospective study. Nonfunded, AIIMS Jodhpur.
12. Comparison of pain score between Foleys catheter and Leichwilkinson cannula in Hysterosalphingography by Numerical rating scale-A randomized Control Trial. Non-funded, AIIMS Jodhpur.
13. Interobserver and Intraobserver variability in CTG interpretations– A hospital based Prospective Observational study. Non-funded, AIIMS Jodhpur.

#### **Completed:**

##### **As Principal Investigator**

1. Flipping to empower adolescents for sexual and reproductive Health, Funded by GCC

##### **As Co-Investigator**

1. Psychological facets of infertility: A prospective study to evaluate Quality of life and depression score in infertile couples Non-funded, AIIMS Jodhpur.
2. Comparison of Pain score between Foleys catheter and Leichwilkinson cannula in Hysterosalphingography by Numerical rating scale-A retrospective study. Non-funded, AIIMS Jodhpur.

#### **Examinership**

1. MS exam at Varanasi -IMS BHU on 16-17<sup>th</sup> May 2019
2. MS exam at JLN Ajmer on 29-30<sup>th</sup> May 2019
3. MS & DGO exam at GMC Aurangabad on 11-12<sup>th</sup> June 2019
4. MS exam SPMC Bikaner, 25-26 June 2019
5. PhD viva at Lady Irwing college Delhi on 31.8.2019
6. MBBS Final exam at AIIMS Raipur 16-18<sup>th</sup> Dec 2019
7. Thesis evaluation for MD in OBG. at AIIMS Delhi and KGMU Lucknow 2020

#### **Membership/Post in Journal or Society or Association -**

1. Associate Editor, Indian Journal of Obstetrics & Gynecology
2. Membership FOGSI
3. Reviewer BMJ case reports
4. Reviewer Indian Journal of Obstetrics & gynecology

**National/ International Conferences attended:**

1. 23<sup>rd</sup> AICOG organized by Lucknow Obs & Gyne Society, Lucknow 29<sup>th</sup> Jan-2<sup>nd</sup> Feb
2. West Zone Indian Menopausal conference organized by Bhopal menopausal Society at Bhopal on 12<sup>th</sup> - 13<sup>th</sup> Oct 2019
3. TUFH conference at Darwin Australia, on 11-13 Sept 2019
4. NCPE conference at AIIMS Jodhpur on 4-5<sup>th</sup> Nov 2019
5. TUFH conference organized by Flinders University and THENET, Australia 2019.

**Name of Faculty: Dr Shashank Shekhar**  
**Designation: Additional Professor**

**Books/Chapters**

1. Shekhar S. Manual of Basic Laparoscopic Gynecological Surgery

**Papers Presented:**

1. Medium Term Anatomical & Functional Results of Isolated LSCL during the Early Learning Curve” at 13<sup>th</sup> Congress of European Society of Gynecology in Vienna Austria, October 2019

**Sessions Chaired:**

1. Repromed Update 2019 at AIIMS Jodhpur

**Invited Lectures**

1. “Role of Imaging in Gynecological Malignancies” in “AICOG-2020” at Lucknow on 31<sup>st</sup> January 20
2. “LACC Trial: Myths & Facts” at Raj-Endogynecon at Jaipur in September 2019
3. “PCOS” at CME organized by the local gynecological societies at Jodhpur and Ajmer in July & Aug 2019
4. “PCOS – How to Diagnose” in CME “Newer Concepts in Management of PCOS in July 2019

**Resource Faculty:**

1. RAJAGOICON – Feb “20

**Research Projects:****Ongoing:****As Principal Investigator**

1. Circulating Micro RNA-125b as A Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer, AIIMS Jodhpur.
2. Retrospective Analysis of outcomes of Primary versus Interval debulking surgery in cases of advanced EOC, AIIMS Jodhpur
3. Clinical Phenotypes and Genetic Regulation of Endometriosis in Indian Women, AIIMS Jodhpur
4. Laparoscopic Neo-Vaginoplasty: Single Centre Experience, AIIMS Jodhpur

**Completed:****As Principal Investigator**

1. Laparoscopic Sacrocolpopexy for Genital Prolapse: Retrospective 1 Year Follow up of First Fifteen Cases
2. Retrospective Analysis of outcomes of Primary versus Interval debulking surgery in cases of advanced EOC

**Membership/ Post in Journal or Society or Association-**

1. Member of European Society of Gynecological Oncology

**National/ International Conferences attended:**

1. Advanced Course in Cytoreductive Surgery for Ovarian Cancer and Peritoneal Surface Malignancies: Radical Pelvic and Upper Abdominal Procedure with Cadaver Dissection” University of Irvine, California, USA from 2<sup>nd</sup> May to 4<sup>th</sup> May 2019.
2. Observer-ship in Advanced Laparoscopic Gynecological Oncology Procedures at The Cancer Institute Hospital of JFCR at Tokyo Japan from 10th December to 14th December 2019
3. 13<sup>th</sup> Congress of of European Society of Gynecology, Vienna Austria, October 2019
4. Attended a Workshop on “ Multiple Logistic Regression Analysis” at CMC Vellore in October 2019
5. “AICOG -2020” at Lucknow, January '20.

**Workshops/ Conferences Organized:**

1. 3rd Certificate Course in Basic Laparoscopic Gynecological Surgeries

**Any other information:**

1. Received Certificate of Appreciation from the Ministry of Health, Government of Mongolia and Rotary International for Teaching and Training of Mongolian doctors in the field of minimally invasive gynecological surgery at various tertiary care teaching hospitals of Ulaanbator Mongolia from 5<sup>th</sup> May 2019 to 17<sup>th</sup> May 2019
2. Participated as **Faculty** in Gyne- Advanced Laparoscopic Course at Ethicon Institute of Surgical Education (**EISE**) at Mumbai in April 2019.

**Name of Faculty: Dr Navdeep Kaur Ghuman**

**Designation: Associate Professor**

**Examinership:**

1. MBBS Final examination, JLN Medical College, Ajmer, 5-2-20 to 7-2-20
2. MBBS Final examination, SN Medical College, Jodhpur, 9-2-20 to 11-2-20

**Papers Presented:**

1. Ghuman NK, Raikar S, Singh P, Nebhinani N. Depression among infertile couples-interim analysis, 1<sup>st</sup> International Conference on Infertility, Clinical Embryology and Endoscopy, ICE 2019, 2-4 August 2019, ITC grand Chola, Chennai.
2. Ghuman NK, Raikar S, Singh P, Nebhinani N. Depression among infertility-a cross sectional study, 20<sup>th</sup> World Congress On Vitro Fertilization, ISIVF 2019, 24-26 October 2019, Barcelo Sants, Barcelona, Spain.

**Moderator/ Sessions Chaired:**

1. Case scenarios on screening in Pregnancy and Management in CME- Essentials of Maternal and Fetal Medicine: Clinical Approach, 12<sup>th</sup> May 2019, AIIMS Jodhpur
2. JODHPUR ORATION: The nuances of AMH in reproductive medicine, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur
3. Panel Moderator-Clinical Dilemmas of COS, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur
4. ISAR oration: Role of Laparoscopy in infertility and New Anatomical Knowledge
5. revolutionize Laparoscopic Surgery, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur
6. Antifungal management and Control, 13th National Conference of Society for Indian Human & Animal Mycologists, 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur

**Resource faculty:**

1. Workshop Moderator-Practical aspects of Oocyte retrieval and Embryo transfer, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur.

2. Hands on Colposcopy Workshop, RAJ-AGOICON 2020, 23<sup>rd</sup>-24<sup>th</sup> February 2020, AIIMS Jodhpur
3. 3rd Certificate Course in Basic Laproscopic Gynecologic Surgery, April 2019, AIIMS Jodhpur
4. CME on Essentials of Maternal and Fetal Medicine, 12<sup>th</sup> May 2019, AIIMS Jodhpur.
5. YUVA ISAR 2019, 16<sup>th</sup>-18<sup>th</sup> August 2019, Taj Hotel Convention Center, Agra.
6. Panelist-5th RAJ ENDO GYNAE UPDATE, 5<sup>th</sup>- 8<sup>th</sup> September 2019, Royal Orchid Jaipur
7. ReproMed Update 2019, 21<sup>st</sup>-22<sup>nd</sup> December 2019, AIIMS Jodhpur.
8. Panelist-AICOG 2020, 29<sup>th</sup> January-2<sup>nd</sup> February 2020, Kanshiram Ji Smarak Sthal, Lucknow.
9. RAJ-AGOICON, 22<sup>nd</sup> -24<sup>th</sup> February 2020, AIIMS Jodhpur.
10. Panelist-Silver Jubilee Congress of ISAR, 6<sup>th</sup> -8<sup>th</sup> March 2020, Hyderabad International Convention Center, Hyderabad

#### **Invited Lectures:**

1. PCOS etiology: Genetic or environmental/ multifactorial, CME on Polycystic Ovarian Syndrome-Newer Concepts in Management of PCOS, 28<sup>th</sup> July 2019, AIIMS Jodhpur.
2. Critical evaluation of research related to embryo transfer technique and adjuvants, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur.
3. Practical aspects of Embryo transfer, ReproMed Update 2019, 21<sup>st</sup> -22<sup>nd</sup> December 2019, AIIMS Jodhpur.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. To assess the validity of reference ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status.- Intramural, funded by AIIMS Jodhpur
2. Predictors of ovarian function reserve in premenopausal patients with breast cancer-Prospective study.- Intramural, funded by AIIMS Jodhpur
3. Inter and Intra-observer agreement on Hysterosalpingography (HSG)-A prospective study. NON funded
4. Comparison of pain score between Foleys catheter and Leichwilkinson cannula in Hysterosalpingography by Numerical rating scale-A randomized Control Trial. Non-funded
5. Interobserver and Intraobserver variability in CTG interpretations- A hospital based Prospective Observational study Non-funded

##### **As Co-Investigator**

1. Spectrum of thyroid disorder in low risk singleton pregnancy and its effect on maternal and fetal outcome- A prospective Cohort Study.
2. Prospective case control study to evaluate the effect of iatrogenic endometrial injury/scratch on clinical pregnancy rate in patients with unexplained and anovulatory subfertility undergoing ovulation induction and intrauterine insemination.
3. Prevalence and Spectrum of Major Structural anomalies in fetuses and neonatal at AIIMS, Jodhpur: Understanding the Risk Factors
4. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur.
5. Impact of early versus late initiation of oral intake in postoperative period following any major benign gynecological procedure and cesarean section.

##### **Completed:**

##### **As Principal Investigator**

1. Psychological facets of infertility: A prospective study to evaluate Quality of life and depression score in infertile couples
2. Comparison of Pain score between Foleys catheter and Leichwilkinson cannula in Hysterosalpingography by Numerical rating scale-A retrospective study.

**As Co-Investigator**

1. Prospective case control study to evaluate the effect of iatrogenic endometrial injury/scratch on clinical pregnancy rate in patients with unexplained and anovulatory subfertility undergoing ovulation induction and intrauterine insemination.
2. Association of Gestational Diabetes Mellitus and BMI: A prospective study.

**Membership/Post in Journal or Society or Association**

1. Annual membership of European Society of Human Reproduction and Embryology (EHSRE)
2. Annual membership of British Fertility Society (BFS)
3. Annual membership of GMC

**National/ International Conferences attended:**

1. 20th World Congress On in- Vitro Fertilization, ISIVF 2019, 24<sup>th</sup>-26<sup>th</sup> October 2019, Barcelo Sants, Barcelona, Spain
2. 1st International Conference on Infertility, Clinical Embryology and Endoscopy, ICE 2019, Fertility Society of India (FSI), 2-4 August 2019, Grand Chola, Chennai.
3. ACOG 2020, Lucknow Obstetrics and gynecology society 29<sup>th</sup> January-2<sup>nd</sup> 2020, Kanshiram Ji Smarak Sthal, Lucknow.
4. Silver Jubilee Congress of ISAR, ISAR 6<sup>th</sup>-8<sup>th</sup> March 2020, Hyderabad International Convention Center, Hyderabad.
5. Faculty -YUVA ISAR 2019, 16<sup>th</sup>-18<sup>th</sup> August 2019, Taj Hotel Convention Center, Agra.
6. Antifungal management and Control, 13th National Conference of Society for Indian Human & Animal Mycologists, 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS Jodhpur

**Name of Faculty: Dr Charu Sharma**

**Designation: Associate Professor**

**Books/Chapters**

1. Sharma C. Setting up a Laparoscopic Operating room Ch 2 pg. 14-21. First edition. in Manual of Basic Laparoscopic Gynaecological surgery.

**Papers Presented:****As Principal Author**

1. Sharma C, Singh P, Shekhar S, Gothwal M, Jhirwal M OSCE as a learning tool for residents: Flipping their roles at 7<sup>th</sup> National Conference on Pediatric Education- 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019
2. Sharma C, Gothwal M, Singh P, Shekhar S, Jhirwal M. Prenatal Invasive Testing 'Teething Troubles' ICOG FOGSI National Conference, Bhubaneshwar 29<sup>th</sup> Nov to 1<sup>st</sup> Dec 2019
3. Patwa P, Shekhar S, Sharma C Placenta Percreta: Challenging diagnosis and management. CME on Essentials of Maternal and Fetal Medicine : a clinical approach. On 12<sup>th</sup> May 2019.
4. Mathew PS, Sharma C, Shekhar S. Genital warts masquerading as vulvar malignancy CME on Essentials of Maternal and Fetal Medicine : a clinical approach. On 12<sup>th</sup> May 2019.
5. Patwa P, Sharma C, Shekhar S, Singh P, Ghuman NK. Association of Gestational Diabetes Mellitus (GDM) with Body Mass Index (BMI): a Prospective cohort study 6<sup>th</sup> September 2019 at RCOG Kolkata.

**Invited Lectures**



1. Invited as Panelist in Public Awareness lecture on Newborn Care organized by the department of Neonatology, AIIMS Jodhpur.
2. Invited as Panelist on topic 'Decision making in Obstetric Doppler and Late onset IUGR' at CME on Fetal Medicine organised by Society of Fetal Medicine. 20<sup>th</sup> Oct 2019 at Umaid Hospital, Jodhpur.
3. Invited as Panelist in AICOG 2020 at Lucknow on topic 'Concept of Preconception & Genetic clinic', 2nd February 2020
4. Co-opted as Panelist in 1st RAJAGOICON 2020 on topic 'Preinvasive lesions of cervix' on 21<sup>st</sup> Feb 2020
5. Co-ordinator of Colposcopy Workshop in 1st RAJAGOICON 2020 at AIIMS Jodhpur.

#### Resource Faculty:

1. Treasurer in 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynaecologic Oncologist of India on 21<sup>st</sup> and 22<sup>nd</sup> February 2020.
2. Joint Organising Secretary of CME on Fetal Medicine organized by the department on 12<sup>th</sup> May 2019.
3. 3<sup>rd</sup> Basic Laparoscopic Skill Course, as scientific committee member.
4. Sensitisation Program on sexual health in Adolescents on 26<sup>th</sup> June 2019

#### Research Project:

##### Ongoing:

##### Principal Investigator (Intramural)

1. Expression of microRNAs (miR 187 & miR146) and their association with pro and anti inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-κB in pregnancies complicated by Pre-eclampsia.

##### As Co-Investigator

##### Intramural project

1. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome Intramural Project, AIIMS Jodhpur
2. Circulating Micro RNA-125b-as Diagnostic and Prognostic Biomarkser in Epithelial Ovarian Cancer, Intramural Project, AIIMS Jodhpur
3. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis, Non-funded, AIIMS Jodhpur.
4. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- single centre experience. Non-funded, AIIMS Jodhpur.
5. Laparoscopic Neo-Vaginoplasty: Single Centre Experience , Non-funded, AIIMS Jodhpur.
6. First trimester maternal serum PAPP-A and free-beta subunit hCG & NT (Combined Screen markers) and its association with adverse pregnancy outcome, Non-funded, AIIMS Jodhpur.
7. The measurements of 'normal vulva' of Indian women : a cross-sectional prospective study, Non-funded, AIIMS Jodhpur.
8. Medium Term Anatomical and Functional Results of Isolated Laparoscopic Sacrocolpopexy during The Early Learning Curve, Non-funded, AIIMS Jodhpur.
9. Retrospective analyses of primary debulking and interval debulking surgery in cases of Carcinoma Ovary, Non-funded, AIIMS Jodhpur..

#### Scientific Awards/Patents

1. Awarded Fellowship of Indian College of Obstetrician and Gynaecologists (FICOG) on convocation on 1<sup>st</sup> Feb 2020 at AICOG Lucknow.
2. Received short term training Certificate in Fetal Medicine from AIIMS Delhi (9<sup>th</sup> Dec to 20<sup>th</sup> Dec 2019).

#### Examinership

1. 3<sup>rd</sup> Prof. MBBS Main Exam JLN Medical College Ajmer 5<sup>th</sup> to 7<sup>th</sup> Feb 2020
2. 3<sup>rd</sup> Prof. MBBS Main Exam SN medical College Jodhpur 9<sup>th</sup> to 11<sup>th</sup> Feb 2020

3. 3<sup>rd</sup> Prof. MBBS Supplementary batch exam JLN Medical College Ajmer 29<sup>th</sup> June 2019
4. 3<sup>rd</sup> Prof. MBBS Supplementary batch exam SN medical College Jodhpur 28<sup>th</sup> June 2019
5. Post graduate thesis Evaluation SN medical College Jodhpur 4<sup>th</sup> April 2019
6. Post graduate thesis Evaluation JLN Medical College Ajmer 7<sup>th</sup> Feb 2020

#### **Membership/Post in Journal or Society or Association –**

1. Reviewer in the Journal- BMJ case Reports.
2. Reviewer in African Journal of Medical and Health Sciences.
3. Reviewer in International Journal of nursing and midwifery

#### **National/ International Conferences attended:**

##### **Courses/ Workshops**

1. Third Quarterly meeting (2018-19) Delhi Chapter SFM, 28<sup>th</sup> April 2019 at AIIMS New Delhi.
2. Diagnostic and basic interventional procedures in Fetal Medicine, Hands on simulator workshop and course, 26<sup>th</sup>- 28<sup>th</sup> July 2019, Hyderabad, India.
3. Short term training course in Fetal Medicine at AIIMS Delhi from 9<sup>th</sup> Dec to 20<sup>th</sup> Dec 2019.

##### **Conferences**

1. Sonofest 5<sup>th</sup> to 7<sup>th</sup> April 2019, Indana Palace Jodhpur.
2. 7<sup>th</sup> National Conference on Pediatric Education- 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019, AIIMS Jodhpur.
3. FOGSI-ICOG Annual Conference Hotel Mayfair Convention of Bhubaneswar from 29<sup>th</sup> November to 1<sup>st</sup> December 2019.
4. ReproMed Update and Workshop 2019 at AIIMS Jodhpur, 21<sup>st</sup> & 22<sup>nd</sup> December 2019
5. All India Congress of Obstetrics and Gynaecology (AICOG 2020) 29<sup>th</sup> Jan- 02 Feb 2020 at (Smriti Upvan), Lucknow.

#### **Workshops/ Conferences Organized**

1. 3<sup>rd</sup> certificate course in Basic Laparoscopic Gynaecological Surgery 10<sup>th</sup> to 12<sup>th</sup> April 2019.
2. Workshop on Teachers' Training as a team member of Project Flipping to empower adolescents for sexual and reproductive health. on 11<sup>th</sup> May 2019.
3. CME on Fetal Medicine organized by the department on 12<sup>th</sup> May 2019. (Joint Organising Secretary)
4. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynaecologic Oncologist of India on 21<sup>st</sup> and 22<sup>nd</sup> February 2020 (Treasurer).

#### **Any other information:**

1. Social Out reach Programmes
2. Govt. school kaliberi, Jodhpur & Modern School, Keru on 30<sup>th</sup> Aug 2019 on Sexual & reproductive health.
3. Sensitisation Programme on adolescent health on 26<sup>th</sup> June 2019 at AIIMS Jodhpur for SRs and JRs.
4. Public awareness lecture on World Menopause Day on 18<sup>th</sup> October 2019.

**Name of Faculty: Dr Manu Goyal**

**Designation: Associate Professor**

#### **Book chapters:**

1. Goyal M. Laparoscopic hysterectomy. Manual of Basic Laparoscopic Gynecological Surgery. 2019; 93-103.

- Goyal M. Adnexal masses- How to manage laparoscopically? Manual of Basic Laparoscopic Gynecological Surgery. 2019; 86-92.
- Co-Editor: Contributed as co-editor for Book released from the department on Manual of Basic Laparoscopic Gynecological Surgery. 2019 at AIIMS Jodhpur

### Workshops/ Conferences Organized

- Organizing Secretary for CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur
- Member of Organising Committee:
  - 3rd Training Course in Basic Laparoscopic Gynecology. 10-12<sup>th</sup> April 2019, AIIMS, Jodhpur. (Lecture, Video session, Live surgery demonstration, providing training to trainees on endo-suturing, and surgery on simulator and endotrainers).
  - CME on Fetal Medicine: 12<sup>th</sup> May 2019, AIIMS Jodhpur. Organised PG Quiz on Fetal Medicine
  - ReproMed Update 2019, 21-22 Decmber 2019, AIIMS Jodhpur

### Invited faculty:

- Panelist in Panel discussion on Complications of hysteroscopy. AGESRCON 2019. 13-14<sup>th</sup> April 2019, Hotel Meenal residency, Kota.
- Panelist in panel on Role of Gynecologist in Transgenders. AICOG 2020. 63<sup>rd</sup> All India Congress of Obstetricians & Gynecologists 2020. 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upvan, Lucknow.
- Male infertility treatment. FERTIVISION 2019, 7-8<sup>th</sup> December 2019, Hotel Leela Ambience Gurugram, DELHI.
- Trends in ovulation induction. CME by ISAR Rajasthan chapter. 3<sup>rd</sup> August 2019, Hotel Taj Hari Mahal, Jodhpur
- Tissue Handling in laparoscopy. Project Eagle Resident Excellence Program. 15<sup>th</sup> February 2020. Auditorium, Umaid hospital, Jodhpur
- Recurrent pregnancy loss. RAJGYNAECON 2019. 14-15<sup>th</sup> December 2019. Thar Exotica Resort, Bikaner

### Papers Presented-

- Aparajita, Goyal M, Shekhar S, Singh P. A comparative study of intravenous iron sucrose and ferric carboxymaltose for treatment of iron deficiency anaemia during pregnancy. 63<sup>rd</sup> All India Congress of Obstetricians & Gynecologists 2020. 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upvan, Lucknow
- Agarwal N, Goyal M, Shekhar S, Singh P. Postmature abdominal pregnancy secondary to ovarian ectopic: A rare case. YUVA FOGSI 4-5<sup>th</sup> January 2020. (2<sup>nd</sup> prize)
- Bansal S, Shekhar S, Goyal M, Sharma C. A randomized controlled trial of comparing the effect of clomiphene citrate and letrozole on endometrial development in infertile women with PCOS. CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur (1<sup>st</sup> prize)
- Mathew PS, Jhirwal M, Shekhar S, Sharma C, Goyal M. Sex cord stromal tumor shadowed under PCOS- A rare case report. CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur.
- Bhati M, Goyal M, Shekhar S, Singh P. Non communicating uterine horns associated with cervico-vaginal agenesis: a rare mullerian anomaly. CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur

### Sessions Chaired:

- Male infertility treatment. FERTIVISION 2019, 7-8<sup>th</sup> December 2019, Hotel Leela Ambience Gurugram, DELHI.
- Basics of Infertility recombinant or HP gonadotropins. ReproMed Update 2019, 21-22 Decmber 2019, AIIMS Jodhpur

### Invited Lectures

1. Trends in ovulation induction. CME by ISAR Rajasthan chapter. 3<sup>rd</sup> August 2019, Hotel Taj Hari Mahal, Jodhpur
2. Tissue Handling in laparoscopy. Project Eagle Resident Excellence Program. 15<sup>th</sup> February 2020. Auditorium, Umaid hospital, Jodhpur
3. Instrumentation and preoperative preparation in Gynecological Laparoscopy. 3<sup>rd</sup> Training Course in Basic Laparoscopic Gynecology. 10-12<sup>th</sup> April 2019, AIIMS, Jodhpur.
4. Complications of laparoscopy. 3<sup>rd</sup> Training Course in Basic Laparoscopic Gynecology. 10-12<sup>th</sup> April 2019, AIIMS, Jodhpur.
5. Recurrent pregnancy loss. RAJGYNAECON 2019. 14-15<sup>th</sup> December 2019. Thar Exotica Resort, Bikaner.
6. Oocyte retrieval in IVF. Workshop on OPU and Embryo Transfer. ReproMed Update 2019, 21-22 December 2019, AIIMS Jodhpur

#### **Symposium Speaker**

1. Moderator for panel on Clinical Case scenarios in PCOS. CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur
2. Trends in ovulation induction. CME by ISAR Rajasthan chapter. 3<sup>rd</sup> August 2019, Hotel Taj Hari Mahal, Jodhpur
3. Oocyte retrieval in IVF. Workshop on OPU and Embryo Transfer. ReproMed Update 2019, 21-22 December 2019, AIIMS Jodhpur

#### **Resource Faculty:**

1. CME by ISAR Rajasthan chapter. 3<sup>rd</sup> August 2019, Hotel Taj Hari Mahal, Jodhpur
2. Project Eagle Resident Excellence Program. 15<sup>th</sup> February 2020. Auditorium, Umaid hospital, Jodhpur
3. Organizing Secretary for CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur (organized the CME, Moderated Panel on Clinical Case Scenario on PCOS)

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator:**

1. Assessment of efficacy of various Local Anaesthetic modalities on Pain Relief during Endometrial Biopsy: a randomized control trial (Non-funded)
2. Netrin-1 & procalcitonin in prediction of preeclampsia (Intramural, AIIMS Jodhpur 2017-18)
3. Extramural project entitled "An observational study of prevalence of vitamin D deficiency in pregnant Indian females and its association with gestational diabetes mellitus" approved by DHR-ICMR on 21.03.2020

##### **As Co-Investigator: Intramural**

1. Role of circulating micro-RNA in benign and malignant ovarian tumor (Intramural project, AIIMS, Jodhpur)
2. In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cineraria, a locally available conventional promoter of wound healing (Intramural project, AIIMS Jodhpur)

##### **Completed:**

##### **As Principal Investigator**

1. Utility of VEGF & PIGF in prediction of preeclampsia. [Intramural research Project AIIMS, Jdh 2016-17]

##### **As Co-Investigator–**

1. Blood lead levels in preeclampsia [STS project] [AIIMS, Jodhpur]
2. A pilot study of pre-diabetes and autoimmune thyroiditis in obese and non-obese polycystic ovarian syndrome (PCOS) women (STS project, AIIMS Jodhpur)

3. Diagnostic utility of various Immuno-histochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma (intramural project, AIIMS, Jodhpur)

**Other achievements:**

1. Started Intrauterine fetal blood transfusion and Chorion villus sampling first time at the AIIMS, Jodhpur in the Department of Obstetrics & Gynecology with the support of HOD.

**Membership/Post in Journal or Society or Association –**

1. Assistant Editor, Journal of Pregnancy and Child Health
2. Editorial Member of Journal of Neonatal Biology.
3. Member of AGESR
4. Member of Jodhpur Obs & Gyn Society

**National/ International Conferences attended:**

1. SONOFEST 2019. 5-7<sup>th</sup> April 2019, Hotel Indana, Jodhpur
2. 3<sup>rd</sup> Training Course in Basic Laparoscopic Gynecology. 10-12<sup>th</sup> April 2019, AIIMS, Jodhpur
3. AGESRCON 2019. 13-14<sup>th</sup> April 2019, Hotel Meenal residency, Kota.
4. CME on Fetal Medicine: 12<sup>th</sup> May 2019, AIIMS Jodhpur. Organised PG Quiz on Fetal Medicine
5. CME on Newer concepts in management of PCOS. 28<sup>th</sup> July 2019, AIIMS Jodhpur
6. CME by ISAR Rajasthan chapter. 3<sup>rd</sup> August 2019, Hotel Taj Hari Mahal, Jodhpur
7. 7<sup>th</sup> National Conference on Medical Education. 3-5<sup>th</sup> November 2019, AIIMS, Jodhpur.
8. FERTIVISION 2019, 7-8<sup>th</sup> December 2019, Hotel Leela Ambience Gurugram, DELHI
9. RAJGYNAECON 2019. 14-15<sup>th</sup> December 2019. Thar Exotica Resort, Bikaner
10. ReproMed Update 2019, 21-22 December 2019, AIIMS Jodhpur
11. Quality improvement in maternal newborn care. 24<sup>th</sup> December 2019, AIIMS Jodhpur
12. AICOG 2020. 63<sup>rd</sup> All India Congress of Obstetricians & Gynecologists 2020. 29<sup>th</sup> Jan -2<sup>nd</sup> Feb 2020, Smriti Upvan, Lucknow.
13. Project Eagle Resident Excellence Program. 15<sup>th</sup> February 2020. Auditorium, Umaid hospital, Jodhpur

**Name of Faculty: Dr Garima Yadav**

**Designation: Associate Professor**

**Books/Chapters:**

1. Yadav G. Laparoscopic Myomectomy. In: Manual of Basic Laparoscopic Gynecological Surgery, Singh P, Shekhar S, Yadav G, Goyal M, 1<sup>st</sup> edition, Jodhpur, 2019:104-117.
2. Yadav G. Ergonomics in Laparoscopy. In: Manual of Basic Laparoscopic Gynecological Surgery, Singh P, Shekhar S, Yadav G, Goyal M, 1<sup>st</sup> edition, Jodhpur, 2019: 77-85.

**Papers Presented:**

1. Singh P, Gothwal M, Yadav G, Ghuman N, Elhence P. Correlation in cervical cytology, colposcopy and histopathology for detection of pre-malignant lesions of cervix: a study from western Rajasthan. The global meeting of the International Gynecological Cancer Society 19<sup>th</sup>-21<sup>st</sup> September 2019, Windsor Convention and Expo Center Rio de Janeiro, Brazil
2. Singh P, Gothwal M, Yadav G, Ghuman N, Elhence P. Do doctors themselves get screened for cervical cancer? -a questionnaire based study from western Rajasthan (India) The global meeting of the International Gynecological Cancer Society 19<sup>th</sup>-21<sup>st</sup> September, 2019 Windsor Convention and Expo Center Rio de Janeiro, Brazil

3. Garima Yadav, Pratibha Singh, Meenakshi Gothwal, Priyanka Kathuria Cadaveric teaching: choosing the dissection hall over live operation theatres 7<sup>th</sup> National conference on pediatric education (NCPE) 3<sup>rd</sup>-5<sup>th</sup> November, 2019 AIIMS Jodhpur
4. Garima Yadav, Shuchita Batra, Meenakshi Rao, Pratibha Singh, Meenakshi Gothwal, Priyanka Kathuria Accidental diagnosis of genital malignancies in women undergoing hysterectomy for benign indications- a single center experience AGOICON-2019 14<sup>th</sup>-16<sup>th</sup> November 2019 Christian Medical College Vellore
5. Garima Yadav, Shailja Chambial, Neha Agarwal, Pratibha Singh, Meenakshi Gothwal, Priyanka Kathuria, Praveen Sharma, PP Sharma Blood lead levels in antenatal women with iron deficiency anaemia and adverse pregnancy outcomes 15<sup>th</sup> APFCB congress 17-20<sup>th</sup> November 2019 Jaipur Convention Center Jaipur

#### Sessions Chaired:

1. Embryo Transfer, the penultimate step. Repromed Update, 21-22 December, 2019, AIIMS, Jodhpur

#### Invited Lectures:

1. Robotic surgery in gynecology- AGESRCON-2019, 14<sup>th</sup>-16<sup>th</sup> April, 2019, Kota, Rajasthan.
2. Ergonomics in laparoscopy- 3<sup>rd</sup> basic laparoscopic workshop; 10-12 April, 2019, AIIMS, Jodhpur
3. Troubleshooting in laparoscopy- 3<sup>rd</sup> basic laparoscopic workshop; 10-12 April, 2019, AIIMS, Jodhpur
4. Cervical cancer screening. RAJ-AGOICON 2020, FEB 22-23 at AIIMS, Jodhpur

#### Symposium Speaker:

1. Management of preinvasive cervical lesions. CME on "Comprehensive management of cancer cervix". 5<sup>th</sup> May, 2019, SMS Medical College, Jaipur.
2. First trimester screening. CME on essentials of maternal and fetal medicine, 12<sup>TH</sup> MAY, 2019, AIIMS, Jodhpur.
3. Debate on ovarian drilling v/s COH in PCOS. CME on Polycystic ovarian syndrome. 27<sup>th</sup> July, 2019, AIIMS, Jodhpur.
4. Management of vulvar cancer. Masterclass in Gynecologic oncology on 11<sup>th</sup> August, 2019, India International Center, Delhi
5. Optimum surgical management of cervical cancer- Indian Perspective. The Global Meeting Of International Gynecological Cancer Society. 19<sup>th</sup>-21<sup>st</sup> September, Rio de Janeiro, Brazil
6. Clinical Dilemmas in COS. REPROMED UPDATE, 21-22 December, 2019, AIIMS, Jodhpur.

#### Resource Faculty:

1. 3<sup>rd</sup> basic laparoscopic workshop. 10<sup>th</sup>-12<sup>th</sup> April, AIIMS, Jodhpur
2. CME on Fetal Medicine organized by the department of obst. & Gyne AIIMS Jodhpur on 12<sup>th</sup> May 2019. (Organizing Committee.)
3. CME on PCOS organized by the department of OBGY, AIIMS, Jodhpur on 27<sup>th</sup> July, 2019. (Organizing Committee)
4. Repromed Update 21<sup>st</sup> -22<sup>nd</sup> Dec 2019, department of OBGY, AIIMS, Jodhpur (Organizing committee)

#### Research Project:

##### Ongoing:

##### As Principal Investigator:

1. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions. Intramural Research Grant, AIIMS, Jodhpur.
2. The role of Vaginal progesterone in delaying delivery following an episode of arrested preterm labor: a Randomized controlled trial NONFUNDED

3. Questionnaire study among women with previous lower segment cesarean section regarding their concerns and views for opting vaginal delivery. -NONFUNDED
4. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience

**As Co-Investigator:**

1. Red cell allo-immunization among antenatal women in AIIMS, Jodhpur and their fetomaternal outcomes. Intra-mural Research Grant, AIIMS, Jodhpur
2. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur NONFUNDED
3. Prevalence and spectrum of major structural anomalies in fetuses and neonates at aiims, jodhpur: understanding the risk factors

**Completed:**

**As Principal Investigator:**

1. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: A pilot study. Intra-mural Research Grant, AIIMS, Jodhpur.
2. Accidental diagnosis of genital malignancies in women undergoing hysterectomy for benign indications.
3. Antenatal Non-Stress Test in Low Risk and High risk pregnancies: Towards Improving Maternal and fetal outcomes.

**As Co-Investigator:**

1. A study of knowledge, attitude and practice of contraception among nursing staff in All India Institute of Medical Sciences, Jodhpur.
2. Role of cervical cancer biomarkers in triaging abnormal cervical cytological smears. Intra-mural Research Grant, AIIMS, Jodhpur
3. Comparison of vaginal lengths and sexual function after abdominal, vaginal and laparoscopic hysterectomy.
4. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation
5. Role of FIGO PALM COEIN classification in AUB: Retrospective study

**Scientific Awards/Patents**

1. Received the Shingo Fuji Travel Grant from International Gynecologic Cancer Society to attend the Young Doctors Summit at IGCS-2019 at Rio, Brazil.

**Membership/Post in Journal or Society or Association**

1. Executive member of Rajasthan State chapter of AGOI.
2. Life Member – International Gynecologic Cancer Society
3. Life Member- European Society of Gynecologic Oncology
4. Life Member- Association of Gynecologic oncologists of India
5. Life Member- Association of Minimal Access Surgeons of India
6. Reviewer in Journal of Cases in Obstetrics and Gynecology,
7. Reviewer in Case Reports in Obstetrics and Gynaecology and
8. Reviewer in Journal of Obstetrics & Gynecology- international open access indexed journals.

**National/ International Conferences attended:**

1. The global meeting of International gynecological cancer society, IGCS, Rio de Janeiro, Brazil, 19-21 September, 2019.
2. AGESRCON 2019. Association of Gynecological Endoscopists of Rajasthan, Kota, 13-15 April, 2019.
3. 3<sup>rd</sup> Certificate course in Basic Laparoscopic Gynecologic surgeries. Department of Obstetrics and Gynecology, AIIMS, Jodhpur, 10<sup>th</sup>-12<sup>th</sup>, April, 2019.

4. CME on Comprehensive Management of Cancer cervix. Rajasthan state chapter of AGOI, Jaipur, Rajasthan, 5<sup>th</sup> May.
5. CME on Essentials of Maternal and Fetal medicine. Department of Obstetrics and Gynecology, AIIMS, Jodhpur 12<sup>th</sup> May, 2019.
6. CME on Polycystic ovarian syndrome, AIIMS JODHPUR, 27<sup>th</sup> July, 2019.
7. 7<sup>th</sup> National conference on pediatric education. Department of Pediatrics. 3<sup>rd</sup>-5<sup>th</sup> Nov, 2019 at AIIMS, Jodhpur and workshop on “competency based medical education “and “Workplace based assessment”.
8. AGOICON 2019. Association of Gynecological oncologists of India, 14-16<sup>th</sup> Nov, 2019 at CMC Vellore
9. 15<sup>th</sup> annual congress of APFCB. APFCB, 17-20<sup>th</sup> November, 2019 at Jaipur.
10. Masterclass of Gynecologic oncology, AGOI.DELHI, 11th August, 2019.
11. REPROMED UPDATE. Rajasthan state chapter of ISAR, AIIMS Jodhpur,
12. RAJ-AGOICON 2019. Rajasthan state chapter of AGOI, AIIMS, Jodhpur, 22-23 Feb, 2020.

**Name of Faculty: Dr Meenakshi Gothwal**  
**Designation: Associate Professor**

**Books/Chapters:**

1. Gothwal M. Laparoscopic instruments & equipment's in Manual of Basic laparoscopic gynecological surgery: Manual of Basic Laparoscopic Gynecological Surgery, 1<sup>st</sup> edition, Jodhpur, 2019
2. Gothwal M. Sterilization and maintenance of Laparoscopic instruments in Manual of Basic laparoscopic gynecological surgery: Manual of Basic Laparoscopic Gynecological Surgery, 1<sup>st</sup> edition, Jodhpur, 2019

**Papers Presented:**

1. A study of knowledge, attitude, and practice of contraception among nursing staff in All India Institute of Medical Sciences, Jodhpur, Rajasthan. :FOGSI-ICOG Annual Conference Hotel Mayfair Convention of Bhubaneswar from 29th November to 1st December 2019.
2. Is operating theatre posting for undergraduate surgical teaching beneficial? Sharing Our Experience: 7<sup>th</sup> National Conference on Pediatric Education- 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019, AIIMS Jodhpur.

**Sessions Chaired:**

1. Cardiovascular Physiology, 50<sup>th</sup> Conference of Association of Physiologists of India; 10<sup>th</sup>-11<sup>th</sup> Dec 2014, AIIMS, Jodhpur

**Invited Lectures:**

1. Sterilization of laparoscopic instruments 3<sup>rd</sup> certificate course in Basic Laparoscopic Gynecological Surgery 10<sup>th</sup> to 12<sup>th</sup> April 2019.

**Resource Faculty:**

1. 3<sup>rd</sup> certificate course in Basic Laparoscopic Gynecological Surgery 10<sup>th</sup> to 12<sup>th</sup> April 2019.
2. CME on Fetal Medicine organized by the department of obst. & Gyne AIIMS Jodhpur on 12<sup>th</sup> May 2019. (Organizing Secretary)
3. CME on Fetal Medicine organized by the department of obst. & Gyne S N Medical college, Jodhpur on 20<sup>th</sup> Oct 2019.
4. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynaecologic Oncologist of India on 21<sup>st</sup> and 22<sup>nd</sup> February 2020 (Joint Secretary).
5. Repromed Update 21<sup>st</sup>-22<sup>nd</sup> Dec 2019 (Organizing committee)

**Research Project:**

**Ongoing:**



**As Principal Investigator**

1. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome Intramural Project
2. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur

**As Co-Investigator  
Intramural project**

1. Expression of microRNAs (miR 187 & miR146) and their association with pro and anti inflammatory cytokines (IL-18 & IL-10) and transcriptional factor NF-κB in pregnancies complicated by Pre-eclampsia.
2. Utility of fallopian tube brush cytology as a screening tool for epithelial ovarian cancers in women undergoing Gynecological surgeries for benign and malignant conditions. Intramural Research Grant, AIIMS, Jodhpur.
3. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis.
4. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- single centre experience.
5. Laparoscopic Neo-Vaginoplasty: Single Centre Experience
6. First trimester maternal serum PAPP-A and free-beta subunit hCG & NT (Combined Screen markers) and its association with adverse pregnancy outcome.
7. The measurements of 'normal vulva' of Indian women: a cross-sectional prospective study.
8. The role of Vaginal progesterone in delaying delivery following an episode of arrested preterm labor: a Randomized controlled trial
9. Questionnaire study among women with previous lower segment cesarean section regarding their concerns and views for opting vaginal delivery
10. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience

**Completed:****As Principal Investigator**

1. Role of cervical cancer biomarkers P16 and Ki67 in abnormal cervical cytological smear.
2. Role of FIGO PALM COEIN classification in AUB: Retrospective study
3. Correlation in cervical cytology, colposcopy and histopathology for detection of pre-malignant lesion of cervix: A study from western Rajasthan.

**As Co-Investigator**

1. Detection of nerve fibers in the eutopic endometrium of patients with endometriosis, uterine fibroids and Adenomyosis- A pilot study
2. Do Female doctors themselves get screened for cervical cancer? CHK YEAR
3. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation-a student research project.
4. Validation of color-coded rings for cervicograph and Knowledge and Skill Upgradation of Skilled Birth Attendants (SBAs) for Labor and Delivery Management at Sub District Level in rural Jodhpur
5. Comparison of vaginal lengths and sexual function after abdominal, vaginal and laparoscopic hysterectomy.

**Scientific Awards/Patents**

1. Second prize in poster presentation in 7<sup>th</sup> National Conference on Pediatric Education- 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019, AIIMS Jodhpur.

**Membership**

1. Life member of FOGSI (Federation of Obstetrics & gynecology society of India)
2. Life member of AMASI (Association of Minimal access surgeons of India)

3. Life member of SFM (Society of fetal Medicine)
4. Life member of AGOI (Association of gynecologic oncologists of India).

**Post in Journal or Society or Association :**

1. Editor , Open access journal of cancer & oncology

**National/ International Conferences attended:**

**Courses/ Workshops**

1. Third Quarterly meeting (2018-19) Delhi Chapter SFM, 28<sup>th</sup> April 2019 at AIIMS New Delhi.
2. Diagnostic and basic interventional procedures in Fetal Medicine, Hands on simulator workshop and course, 26<sup>th</sup>- 28<sup>th</sup> July 2019, Hyderabad, India.
3. Short term training course in Fetal Medicine at AIIMS Delhi from 9<sup>th</sup> Dec to 20<sup>th</sup> Dec 2019.
4. 3<sup>rd</sup> Certificate course in Basic Laparoscopic Gynecologic surgeries. Department of Obstetrics and Gynecology, AIIMS, Jodhpur, 10<sup>th</sup>-12<sup>th</sup>, April, 2019.

**Conferences**

1. Sonofest 5<sup>th</sup> to 7<sup>th</sup> April 2019, Indana Palace Jodhpur.
2. 7<sup>th</sup> National Conference on Pediatric Education- 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019, AIIMS Jodhpur.
3. 3<sup>rd</sup> Annual International precision oncology & breast cancer: 11-13<sup>th</sup> Oct 2019, Marriot Jaipur
4. FOGSI-ICOG Annual Conference Hotel Mayfair Convention of Bhubaneswar from 29<sup>th</sup> November to 1<sup>st</sup> December 2019.
5. Repromed Update and Workshop 2019 at AIIMS Jodhpur, 21<sup>st</sup> & 22<sup>nd</sup> December 2019
6. CME on Fetal Medicine organized by the department of obst. & Gyne S N Medical college , Jodhpur on 20<sup>th</sup> Oct 2019.

**Workshops/ Conferences Organized**

1. 3<sup>rd</sup> certificate course in Basic Laparoscopic Gynaecological Surgery 10<sup>th</sup> to 12<sup>th</sup> April 2019.
2. CME on Fetal Medicine organized by the department on 12<sup>th</sup> May 2019. (Organising Secretary)
3. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynaecologic Oncologist of India on 21<sup>st</sup> and 22<sup>nd</sup> February 2020 (Joint Secretary).
4. Repromed Update 21<sup>st</sup> -22<sup>nd</sup> Dec 2019 (Organizing committee)

**Name of Faculty: Dr Priyanka Kathuria**  
**Designation: Assistant Professor**

**Books/Chapters:**

1. Ghuman NK, Kathuria P. Energy sources in Laparoscopy. In: Manual of Basic Laparoscopic Gynecological Surgery, Singh P, Shekhar S, Yadav G, Goyal M, 1<sup>st</sup> edition, Jodhpur, 2019:104-117.

**Papers Presented:**

1. Kathuria P, Yadav G, Singh P. Hands on workshop: a contemporary and sage method of training 7<sup>th</sup> National conference on pediatric education (NCPE) 3<sup>rd</sup>-5<sup>th</sup> November, 2019 AIIMS Jodhpur

**Invited Lectures:**

1. Medico legal aspect of endoscopy in Gynecology. AGESRCON-2019, 14<sup>th</sup>-16<sup>th</sup> April, 2019, Kota, Raj.
2. Energy sources in laparoscopy- 3<sup>rd</sup> basic laparoscopic workshop; 10-12 April, 2019, AIIMS, Jodhpur
3. Role of ovulation trigger In ART Cycles. REPROMED Update 2019, 21<sup>st</sup>-22<sup>nd</sup> Dec 2019 at AIIMS, Jodhpur

**Symposium Speaker**

1. Debate on role of metformin in PCOS. CME on Polycystic ovarian syndrome. 27<sup>th</sup> July, 2019, AIIMS, Jdh.
2. Clinical Dilemmas in COS. REPROD UPDATE, 21-22 December, 2019, AIIMS, Jodhpur.

**Resource Faculty:**

1. 3<sup>rd</sup> Certificate course on Basics Laparoscopic gynecology surgery; 10-12 April 2019, AIIMS, Jodhpur
2. CME on fetal medicine; 12<sup>th</sup> May 2019, AIIMS, Jodhpur
3. CME on PCOS; 28<sup>th</sup> July 2020, AIIMS, Jodhpur
4. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynecologic Oncologist of India RAJAGOICON 2020; 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

1. Prevalance and spectrum of major structural anomalies in fetuses and neonates at AIIMS, Jodhpur: Understanding the risk factors.

**As Co-Investigator**

1. Knowledge, attitude and awareness regarding fertility among women attending infertility OPD of AIIMS Jodhpur.
2. Questionnaire study among women with previous lower segment cesarean section regarding their concerns and views for opting vaginal delivery
3. Clinico-radio-pathological spectrum of ovarian and uterine malignancies at AIIMS, Jodhpur: our experience

**Completed:****As Co-Investigator**

1. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: A pilot study. Intra-mural Research Grant, AIIMS, Jodhpur.
2. Accidental diagnosis of genital malignancies in women undergoing hysterectomy for benign indications.
3. Antenatal Non-Stress Test in Low Risk and High risk pregnancies: Towards Improving Maternal and fetal outcomes. (accepted for publication in Indian obstetrics and Gynecology)

**Membership/Post in Journal or Society or Association :**

1. Life Member- The Federation of Obstetric and Gynaecological Societies of India
2. Life Member- Association of Minimal Access Surgeons of India
3. Life Member- Association of Surgeons of India
4. Life Member- National Association for Reproductive and Child Health of India
5. Annual Member- International Urogynecological Association
6. Annual Member- International Continence Society
7. Editorial Board- S Open Access Open Journals Publishing SOAOJ

**National/ International Conferences attended:**

1. AGESRCON 2019. Association of Gynecological Endoscopists of Rajasthan, Kota, 13-15 April, 2019.
2. 3<sup>rd</sup> Certificate course in Basic Laparoscopic Gynecologic surgeries. Department of Obstetrics and Gynecology, AIIMS, Jodhpur, 10<sup>th</sup>-12<sup>th</sup>, April, 2019.
3. CME on Essentials of Maternal and Fetal medicine. Department of Obstetrics and Gynecology, AIIMS, Jodhpur 12<sup>th</sup> May, 2019.
4. UROGYN 19. International Urodynamics Workshop & Urogynecology Live operative Conference, Chennai, TN, 21<sup>st</sup>-23<sup>rd</sup> June, 2019
5. CME on Polycystic ovarian syndrome, AIIMS JODHPUR, 27<sup>th</sup> July, 2019.

6. 7<sup>th</sup> National conference on pediatric education. Department of Pediatrics. 3<sup>rd</sup>-5<sup>th</sup> Nov,2019 at AIIMS, Jodhpur and workshop on “competency based medical education “ and “Workplace based assessment”.
7. REPROMED UPDATE. Rajasthan state chapter of ISAR, AIIMS Jodhpur,
8. RAJ-AGOICON 2019. Rajasthan state chapter of AGOI, AIIMS, Jodhpur, 22-23 Feb,2020.

### **Conferences, Workshops, Cme’s Organised By The Department Of Obstetrics & Gynecology In 2019-2020.**

#### **1. 3rd Certificate Course in Basic Laparoscopic Gynecologic Surgery: 10<sup>th</sup> -12<sup>th</sup> April 2019**

Department of Obstetrics & Gynecology organized 3rd Certificate Course in Basic Laparoscopic Gynecologic Surgery from 10<sup>th</sup> -12<sup>th</sup> April 2019. A batch of 12 Gynecologists from various parts of Rajasthan attended the workshop. Highlights of the course were; Didactic lectures, Live Surgeries, Hands on experience during surgeries, launch of book on laparoscopy authored by faculty members of dept. of obstetrics & gynecology and training of meritorious delegates in animal lab at Mumbai.

On the inaugural day didactic lectures were taken in the morning session covering various topics such as scope and indications of laparoscopy in gynecology, instruments and equipment used, safe intraperitoneal entry and various energy resources used etc. Faculty members of the department of Obstetrics & Gynecology department were involved. Afternoon session was intended to give hands on experience on nuances of laparoscopy, in particular adaptation to 2D vision, perception of depth and hand eye co-ordination and intracorporeal suturing. During the pre-lunch session of day two and three live surgeries were demonstrate to delegates in operation theatre. Six laparoscopic procedures were performed during these two days with step by step demonstration and commentary to the delegates including tips and tricks to do these surgeries safely and successfully. Laparoscopic equipment and instruments were demonstrated to the delegates in operation theatre complex detailing their assembly and functions. Evening session on last two days were dedicated to practice session on endotainers. Videos of our previously performed advanced laparoscopic surgeries such as Laparoscopic Davydov’s procedure, Laparoscopic radical hysterectomy and Laparoscopic Sacrocolpopexy etc. were displayed and explained in detail during the workshop such that trainees could develop an insight for such surgeries.

On concluding day A Concise Book “Manual of Basic Laparoscopic Gynecological Surgery” authored by the faculty members of Obstetrics & Gynecology was launched and distributed to the delegates. Delegates were also given pen drive containing all didactic lectures and videos of the surgeries.

Finally, six candidates were chosen based on merit to be trained at the animal lab facility of Johnson & Johnson at Mumbai. Dr Shashank Shekhar accompanied these candidates as training faculty.



The enthusiastic organizing team



Certificate distribution

## 2. CME on 'Essentials of Maternal & Fetal Medicine: Clinical Approach' -12.5.2019

Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, Jodhpur along with FOGSI organized a CME on "Essentials of Maternal & Fetal Medicine: Clinical Approach", on 12th May, 2019. Fetal medicine is an upcoming branch in obstetrics where there has been path-breaking developments in the recent past. This one day academic extravaganza aimed at providing a thorough update on recent guidelines in clinical management and practical approach in various clinical scenarios.

Prof. Pratibha Singh, HOD Obstetrics & Gynaecology, and organizing chairperson of the CME along with Dr. Kuldeep Singh, Dean Academics, Dr. Meenakshi Gothwal, Organizing Secretary and Dr. Charu Sharma, Joint Organising Secretary with all esteemed invited faculty inaugurated the CME by lamp lighting. More than 120 Gynaecologists and Obstetricians attended this CME and 8 national faculties graced the occasion.

The delegates included postgraduate residents from various medical colleges of Rajasthan, medical officers and renowned practitioners of the city and nearby areas. The CME included detailed lectures and panel discussions on Screening and First trimester USG and Congenital malformations.

Dr. Mandakini Pradhan, Chairperson of Genetics & Fetal Medicine Committee, FOGSI; discussed about the importance of knowledge of Genetics in obstetrics. Dr. Aparna Sharma and Dr. Vatsla Dadhwal from AIIMS Delhi spoke about screening for aneuploidies, Soft markers and Non-Invasive Prenatal Testing (NIPT). They also moderated a panel discussion on congenital malformations in which Dr. Karuna Mandal, Dr. Kuldeep Singh, Dr. BS Jodha, Dr. Meenakshi Soni and Dr. Indira Bhati actively participated as panelists.

Dr. Girish Patel gave an insight into Early pregnancy ultrasonography and interventions like Amniocentesis and chorionic villous sampling. Dr. S C Saha from PGI Chandigarh spoke on Rh isoimmunisation. Dr Sunil Mehta discussed on new guidelines on Fetal growth restriction.

Another interesting panel discussion was moderated by Dr. Navdeep Kaur Ghuman and Dr. Garima Yadav on case based scenarios on Screening in first trimester. The panelists included Dr. Renu Makwana, Dr. Kirti Gaur, Dr. Manisha Jhirwal and Dr. Taruna Yadav.

The most exciting part of the CME was QUIZ on Early Pregnancy in which the post graduate residents from Ajmer, Umaid Hospital, MDM Hospital and AIIMS Jodhpur participated with full enthusiasm. The Quiz was moderated by Dr. Meenakshi Gothwal and Dr. Manu Goyal.

More than 20 residents from various medical colleges presented posters.



Faculty and delegates during the CME

### 3. CME on Poly Cystic Ovarian Syndrome: 28.7.2019

One day CME on Polycystic Ovarian syndrome with the theme “Newer concepts in management of PCOS” was organized on 28<sup>th</sup> July 2019 by the Department of Obstetrics & Gynecology. It was conducted from 8.00am till 5.00 pm in Multipurpose Hall, 2<sup>nd</sup> Floor, Medical College Building at AIIMS, Jodhpur. The scientific program started at 9.00am in the morning and continued till 5.30pm in the evening. There were four national faculty invited from AIIMS, New Delhi. PCOS is a common problem nowadays with increasing incidence affecting about 8-15% of females of reproductive age group. And it is the most common cause of anovulatory infertility in about 70-80% cases. It is very pertinent topic in today's era as it affects many adolescent females impairing their social and psychosexual health. It has bearing on the fertility, and has long term consequences so it is the need of the hour to manage this syndrome timely. The chief guest of the CME was Prof Kuldeep Singh, Dean Academics and head of the Department of Paediatrics, AIIMS, Jodhpur. Prof & Head Dr Pratibha Singh was the Organising Chairperson and Dr Manu Goyal was Organising Secretary for CME. There were 25 faculties from Jodhpur and Delhi. Faculty from the department of Paediatrics, Endocrinology and Radiology were also invited for deliberations. It was attended by about 110 doctors including all the senior doctors, practitioners and Postgraduate students. Interesting topics of lectures, one panel discussion and two debate sessions kept the participants engaged for the whole day. The program covered all the important topics on PCOS from basics to clinical spectrum , diagnostic approach and management in various clinical conditions including infertility, adolescents and ageing. It was beneficial for post-graduates and practitioners also. There were 9 poster presentations from AIIMS, Jodhpur and SN Medical College, Jodhpur. In the valedictory session, poster prize and certificates were distributed to the winners by Prof & Head Dr Pratibha Singh.

Among the invited faculty were the following names:

Prof. KK Roy, Professor & Unit Head, Department of Obstetrics & Gynecology, AIIMS, New Delhi.

Prof Rajesh Khadgawat, Professor, Department of Endocrinology, AIIMS, New Delhi

Dr Garima Kachhawa, Associate Professor, Department of Obstetrics & Gynecology, AIIMS, Delhi

Dr Vidushi Kulshrestha, Assistant Professor, Department of Obstetrics & Gynecology, AIIMS, Delhi

Prof Indra Bhati, Professor & Head, SN Medical College, Jodhpur.

Prof BS Jodha, Professor, SN Medical College, Jodhpur.



Panel discussion in progress



Enthusiastic participants and panelists during the session

#### 4. ReproMed Update : 21<sup>st</sup>-22<sup>nd</sup> December 2019

##### Conference Organisers:

- Department of Obstetrics and Gynaecology, All India Institute of Medical Sciences, Jodhpur.
- ISAR Rajasthan Chapter

Over the two days of 21<sup>st</sup> and 22<sup>nd</sup> of December 2019, ReproMed Update 2019 brought together practitioners and specialists from the field of reproductive medicine for a critical examination of evidence behind the prevalent practices. The event was inaugurated by chief guest, Dr. Kuldeep Singh, Dean Academics, AIIMS Jodhpur. It combined expert short presentations by specialists, with structured discussion sessions on the challenges and difficulties of controlled ovarian stimulation and embryo transfer. The hands on workshop of



oocyte retrieval and embryo transfer techniques was much appreciated and enjoyed by the budding professionals. The highlight of the programme was **Key-note address** by Dr. Sudha Prasad (President elect IFS), '**Jodhpur Oration**' by Dr. Abha Majumdar (Past president IFS) and '**ISAR oration**' by Dr. Prakash Trivedi (President Elect ISAR). Young scientists shared their valuable research work through free paper and poster sessions. The conference was widely covered by leading newspapers.

The two-day conference comprised 8 sessions, with 3-4 speakers per session. Each speaker was given 15 minutes to present, followed by 5 minutes for questions. Each conference session related to core themes of controlled ovarian stimulation in ART. The conference was structured to foster discussion between participants around the core themes of the infertility. This was achieved by hosting carefully structured panel discussions. Time was allocated at the end of each day for a group reflection on the day's discussions. Half a day of second day was devoted to hands on workshop.

Felicitation of eminent faculty during the conference

Organizing team, ReproMed, AIIMS Jodhpur

### 5. 1<sup>st</sup> Conference of Rajasthan state chapter of Association of Gynecological Oncologist of India RAGAGOICON– 22<sup>nd</sup> & 23<sup>rd</sup> Feb 2020

The 1<sup>st</sup> Rajasthan state chapter conference of Association of Gynaecologic Oncologists of India (RAJ-AGOICON) 2020 was organized by the department of Obstetrics and Gynaecology, All India Institute of Medical Sciences, Jodhpur in collaboration with the department of Anatomy, on 22<sup>nd</sup>-23<sup>rd</sup> February, 2020. The theme of the conference was "From Conventional to Experimental" and also included 2 workshops.

The first workshop was "Cadaver surgical skill workshop", the first ever cadaver workshop organized in the field of gynecology in the state of Rajasthan. Around 15 delegates received hands-on training under the guidance of experienced facilitators and 45 delegates observed the procedures live. The second workshop was on colposcopic examination along with hands on training of the excisional and ablative procedures for the treatment of pre-invasive lesions of the cervix. Renowned colposcopists were the invited faculty who imparted the hands-on training of excisional procedures like LEEP, LLETZ, SWETZ and ablative procedures like cryo-cautery and thermocoagulation to more than 40 delegates.

On subsequent days, several renowned gynecologic oncologists delivered talks during focused plenaries on cancer endometrium and ovary. In the key-note address session, three tumor board meetings were held on cancer endometrium, ovary and gestational trophoblastic neoplasia. Several interesting cases were discussed by a panel of experts from gynae-oncology, radiation oncology, medical oncology, surgical oncology, oncopathology and radio-diagnosis. Three best posters and oral presentations received certificate of appreciation and prizes. The Gynae-oncology quiz, in which 10 teams from various medical colleges of Rajasthan, underwent the screening round and four teams with the highest marks were selected for the main quiz competition. The first prize was won by team AIIMS, Jodhpur and the second prize was won by team S.N. Medical college, Jodhpur, rest of the quiz participants received consolation prize. The conference was concluded with a vote of thanks by the organizing team.



Inauguration of the conference by President AGOI



Workshop on LEEP and Cryo



Quiz session for residents

#### 6. LaQshya –Quality Improvement workshop: 22<sup>nd</sup> – 23<sup>rd</sup> Dec 2019.

Organised by Department of Obstetrics & Gynecology and Neonatology AIIMS Jodhpur in association with AIIMS Delhi

The purpose of this workshop was for the sensitisation about the QI cycles and QI projects to faculty and residents and nurses of Department of OBG and Neonatology and OT.

It was attended by 20 members, State mentors/ members also attended the workshop. The mentor from AIIMS Delhi Dr Vidushi Kulshrestha met Dean- academics, MS and LR and OT team.

The purpose of workshop and the need for labour room, OT and neonatal unit was explained. The QI cycle was explained with help of various examples. This workshop had many hands on components and many aspects were practiced by small group discussions.

At the end participants chose some QI projects to be done at the facility level.

The workshop was appreciated by all the participants.

Workshop faculty mentors were- Dr Vidushi Kulshrestha, Associate Professor AIIMS Delhi, Dr Neeraj Gupta, Associate Professor, Neonatology and Dr Pratibha Singh, professor, Obstetrics & Gynecology.



Dean [Academics] addressing the gathering



Group work in progress

## Department of Ophthalmology

S.No.	Faculty Name	Designation
1	Dr. Kavita R Bhatnagar	Professor and Head
2	Dr. Arvind Kumar Morya	Associate Professor
3	Dr. Suwarna Suman	Assistant Professor
4	Dr. Seema Meena	Assistant Professor

### About the Department:

The department of Ophthalmology has four faculty including Professor and Head who joined this prestigious institute about six months back. With a vision of becoming world class leading institution, department of Ophthalmology strives to professionally train both undergraduate and post graduate students with highest quality of skill through innovative and methodological teaching in most sophisticated and modest way.

As a department in a premier educational and health science institute, we are making all efforts to provide excellent patient care service through evidence based practice of Ophthalmology and promoting training and research which is affordable, innovative and relevant to the society.

We cater to a large variety of cases pertaining to cataract, glaucoma, squint, retinal disorders, trauma, pediatric ophthalmology cases and ROP screening. We cater to an average number of 200-250 patients per day along with a total of 1000-1200 major and minor procedures per year. Our department has adequate space having ample consulting rooms, glaucoma clinic, retina clinic, pediatric ophthalmology and strabismus clinic, ROP clinic, teaching room, laser room, perimetry room and procedure room. At present, we are well equipped with state of the art machines- Slit lamps, Slit lamps with digital camera, YAG laser machine, Humphrey perimeter, Green Laser OCT, modern phacoemulsification machines (Alcon, Infinity; Abbott Medical Optics, Compact). The equipments which are soon joining the armamentarium for the Department of Ophthalmology are- ROP Screening camera, FFA with ICG, Laser Indirect Ophthalmoscopy, Topography, Optical Biometer, Specular microscopy, Fundus camera, USG A & B, Electrophysiological system.

The department has organized various CMEs on causes of preventable blindness like trachoma, diabetic retinopathy. A wonderful procession was organized on the occasion of World Sight Day. The department is also active in organizing awareness programmes like Glaucoma awareness week in the second week of March, 2020 wherein questionnaires were distributed to the patients and their relatives attending the OPD to assess their knowledge regarding glaucoma along with free distribution of anti- glaucoma medications to them. The department is also carrying out community outreach activities on a regular basis for prevention of blindness.

### Compiled list of Publications of the department:

#### Papers

#### PubMed Indexed:

1. Singh S, Bhatnagar K, Agarwal M. Dry eye in Diabetes mellitus and its relationship with Diabetic Retinopathy. *Int. J Med Res Prof.*2019;4(5): 154-56.
2. Morya A, Naidu A, Gogia S, Prakash S. Commentary: Comprehensive eye care – Issues, challenges, and way forward. *Indian Journal of Ophthalmology.* 2020;68(2):323.
3. Morya A, Jangid K, Naidu A, Bhandari S, Prakash S, Gogia S. Acute isolated medial rectus palsy due to infarction as a result of hypercoagulable state: A case report and literature review. *Indian Journal of Ophthalmology.* 2019;67(11):1898.
4. Morya A, Bhandari S, Naidu A. Retrospective study on outcomes of terminal chop technique of nuclear fragmentation in phacoemulsification and combined surgery: An observational study. *Indian Journal of Ophthalmology.* 2019;67(2):217.

5. Morya A. Commentary: Evaluation of a training program on primary eye care for accredited social health activists in an urban district. *Indian Journal of Ophthalmology*. 2020;68(2):361.
6. Suman S, Kumar A. Intraoperative mitomycin C and cryotherapy as adjunct therapy for recurrent lobular capillary hemangioma of conjunctiva. *BMJ Case Rep*. 2020 Jan 7;13(1).

**Non-PubMed Indexed:**

1. Gupta D, Bhatnagar K, Kumar A, Kumar R. Prevalence of amblyopia among school children. *Journal of Emerging Technologies and Innovative Research*, 2019, 6(1):170-4.
2. Gupta D, Bhatnagar K, Kumar A, Kumar R. prevalence of refractive error among school children. *International Journal of Research and Analytical Reviews*, 2019, 6(1):564-68.
3. Maulik A, Bhatnagar K. The association between myopia and near work activities in young adults in Durgapur, West Bengal. *IJARIT*, 2019, 5(1) :165-170.
4. Maulik A, Bhatnagar K. Incidence of myopia in young adults in various locations of Durgapur, West Bengal- A Demographic Analysis. *IJSR*, 2019, 8(4) :69-74.
5. Khera P, Garg P, Tiwari S, Sureka B, Yadav T, Purkayastha S et al. Carotico-cavernous Fistulae: Clinical Presentation, Imaging, and Endovascular Treatment. *Journal of Clinical Interventional Radiology ISVIR*. 2019;03(03):171-179.
6. Morya A., Naidu A., Gogia S., Prakash S. and Sahu S. Keeping The Hope Alive-Building A Tertiary Eye Centre. *DOS Times*.2019, 24(5): 36-38
7. Suman S, Goyal P. Comparison of Clinical Use of Ocular-surface Disease Index Questionnaire, Tear Film Break-up time, and Schirmer Tests in Diagnosing Dry-eye. *Ophthalmology Research: An International Journal*. 2019;11(2):1-7

**Name of Faculty: Dr. Kavita R. Bhatnagar**

**Designation: Professor & Head**

**Sessions Chaired:**

1. As a panelist in AIOS-ARC Battling Retinal Disorders session on 13<sup>th</sup> October, 2019 at Jodhpur.
2. As a panelist in 10th Annual Conference of Association of Community Ophthalmologists of India (ACOIN), Kanpur, Uttar Pradesh, 18th-20th October 2019

**Invited Lectures**

1. Talk on "Soft Skills" in PG teaching programme organized by Jodhpur Ophthalmological Society on 24<sup>th</sup> November, 2019 at Centre For Sight, Jodhpur

**Symposium Speaker**

1. Talk on "Vision First" on World Sight Day; 10<sup>th</sup> October 2019, AIIMS, Jodhpur

**Resource Faculty:**

1. International Council of Ophthalmology (ICO) Curriculum Development
2. International Council of Ophthalmology (ICO) Center for Ophthalmic Educators.
3. Organizing Chairperson for The Glorious Flag off of "DRISTI RATH" (Vision Chariot) around Uttar Pradesh and 2<sup>nd</sup> annual meeting of ACOIN Uttar Pradesh State Chapter held at Jayapur Village and HIMS, Varanasi, Uttar Pradesh on 14<sup>th</sup> September, 2019

**Research Project:****Ongoing:****As Principal Investigator**

1. A study of retinal changes in women with Polycystic Ovarian Syndrome, AIIMS Jodhpur
2. Retinal thickness variation in patients with Gestational Diabetes Mellitus, AIIMS Jodhpur

**As Co-Investigator**

1. A prospective randomized clinical trial to compare the ocular hypotensive effect and safety of brinzolamide 1% and brimonidine 0.2% combination vs bimatoprost 0.03% and timolol 0.5% in primary open angle glaucoma, ocular hypertension and normotensive glaucoma, AIIMS Jodhpur
2. Comparative analysis of various chopping techniques of phacoemulsification surgery for the management of cataract, AIIMS Jodhpur
3. A prospective, randomized, interventional and comparative open label trial to compare efficacy of Trehalose 3% over sodium hyaluronate 0.1% in patients with dry eye disease, AIIMS Jodhpur

**Scientific Awards/Patents**

1. Awarded ACOIN President's Gold Plaque at International Assembly of Community Ophthalmologists & 10<sup>th</sup> Annual Conference of Association of Community Ophthalmologists of India (ACOIN) at Kanpur, Uttar Pradesh, 18<sup>th</sup>-20<sup>th</sup> October 2019.

**Examinership**

1. External Subject expert in the panel of Standing Selection Committee for Faculty recruitment at AIIMS Bhopal, 18<sup>th</sup> December, 2019

**Membership/Post in Journal or Society or Association :**

1. Member of the Editorial Board, International Council of Ophthalmology, Center for Ophthalmic Educators since November 2019.
2. Founder President of Rajasthan State Chapter, Association of Community Ophthalmologists of India (ACOIN)
3. Executive member of "The International Society of Manual Small Incision Cataract Surgeons" (ISMSICS)
4. Elected as Rajasthan State Counselor in 10<sup>th</sup> Annual Conference of Association of Community Ophthalmologists of India (ACOIN), Kanpur, Uttar Pradesh, 18<sup>th</sup>-20<sup>th</sup> October 2019.
5. Member of the Editorial Board of Indian Journal of Community Ophthalmology.

**National/ International Conferences attended:**

1. 10<sup>th</sup> Annual Conference of Association of Community Ophthalmologists of India (ACOIN), Kanpur, Uttar Pradesh, 18<sup>th</sup>-20<sup>th</sup> October 2019

**Name of Faculty: Dr. Arvind Kumar Morya**

**Designation: Associate Professor**

**Books/Chapters**

1. Accepted Chapter – Anatomical and Physiological Changes after Corneal Trauma. Corneal – Trauma Book by Prof. JS Titiyal. Publisher – Elsevier

**Papers Presented:**

1. Ologen Implant – The savior in Glaucoma Surgeries. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)

2. Phakic IOL – Revolutionary procedure in the management of Refractive errors. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)
3. A perquisition for clue to preventing Complications in PEX syndrome undergoing Phaco Surgery. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)
4. Effectiveness of using Dexmedetomidine as an adjunct to LA in ocular surgeries. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)
5. Comparative analysis of various chopping techniques of Phaco surgery for the management of cataract. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)
6. Binocular Polarized Video Game- A novel and effective treatment for Amblyopia. 1<sup>st</sup> APOIS Meeting. 17-19<sup>th</sup> Jan 2020, Singapore. (E-poster)
7. Co-author. A perquisition for clue to preventing Complications in PEX syndrome undergoing Phaco Surgery. RANZCO Annual Conference, 09-12 Nov. 2019, Sydney, Australia. (Physical Poster)
8. Co-author. Effectiveness of using Dexmedetomidine as an adjunct to LA in ocular surgeries. RANZCO Annual Conference, 09-12 Nov. 2019, Sydney, Australia. (Physical Poster)
9. Challenges in management of a complicated cataract with secondary open angle glaucoma. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Video Presentation)
10. Management of a case of complicated traumatic cataract. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Video Presentation)
11. Miracle in case post traumatic complicated cataract with exotropia. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Video Presentation)
12. Co – author. Miraculous feat with intravitreal methotrexate in a case of posterior uveitis. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (E- Poster)
13. Co – author. A tale of two myopathies: CPEO VS Ocular Myasthenia. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Physical Poster)
14. Co – author. Phakic IOL: A solution to challenges in refractive surgeries. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Physical Poster)
15. Co – author. Ologen biodegradable implant – a savior in glaucoma surgery. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Physical Poster)
16. Talk on Managing Time on Task. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020
17. Ologen – A savoir in management of glaucoma. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020. (Free paper)
18. Talk on AI in Ophthalmology. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020.
19. Talk on Leader – because of a team. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020.
20. Talk on Nucleus delivery by hydro – a new technique in SICS. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020.
21. Video presentation on the technique of Ologen implant. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020
22. Talk on Managing hard cataract by terminal chop technique. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020
23. Talk on Vision 2020 in Instruction Course. 78<sup>th</sup> AIOC, Gurugram, 12-16<sup>th</sup> Feb. 2020
24. Video Presentation in Challenges in the management of secondary open angle glaucoma with complicated cataract. Annual GSI Conference, Sep. 2019
25. "Tips and tricks in the management of congenital glaucoma: A surgical challenge." Annual IPGS Conference, Dec. 2019, Hyderabad. (E-poster)
26. "CHILDHOOD GLAUCOMA- Approach to Diagnosis and Management." Annual IPGS Conference, Dec. 2019, Hyderabad. (E-poster)
27. "CHILDHOOD GLAUCOMA- NOT A CHILD'S PLAY" Annual IPGS Conference, Dec. 2019, Hyderabad. (E-poster)
28. "Axenfeld Reiger- Retrospective analysis of clinical profile." Annual IPGS Conference, Dec 2019, Hyderabad. (E-poster).
29. Talk on Ologen implant in management of childhood glaucoma. Annual IIRSI Conference, Sep 2019, New Delhi.
30. Talk on Management of cataract in cases of PEX – A surgical enigma. Annual IIRSI Conference, Sep 2019, New Delhi.
31. Talk on Revolutionary procedure in the management of refractive errors including those in Amblyopia. Annual IIRSI Conference, Sep 2019, New Delhi.



32. Talk on Management of Nucleus in SICS. Annual IIRSI Conference, Sep 2019, New Delhi.
33. Talk on Trehalose – an efficient bioprotectant. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi.
34. Talk on A Retrospective analysis of Terminal chop – A new nuclear fragmentation technique. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi.
35. Talk on How to get good results in Phaco in cases of PEX syndrome. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi
36. Thaumaturgy with Intravitreal Methotrexate in cases of posterior uveitis. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi. (E-poster)
37. Binocular polarized video games – a novel and effective method for treating Amblyopia. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi. (E- poster)
38. Ologen – A savior in uncontrolled glaucoma. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi. (E- poster)

#### Sessions Chaired:

1. Refractive session.1<sup>st</sup> I-Beach film festival conference.30Aug-1<sup>st</sup> Sep 2019, Goa.
2. Glaucoma session. 70<sup>th</sup> Annual DOS Conference, 12-14<sup>th</sup> April 2019, New-Delhi.
3. Glaucoma VAST session.78<sup>th</sup> Annual AIOC, Feb 20, Gurugram
4. ACOIN session.78<sup>th</sup> Annual AIOC, Feb 20, Gurugram
5. Vision 2020 IC session.78<sup>th</sup> Annual AIOC, Feb 20, Gurugram
6. Cataract session.78<sup>th</sup> Annual AIOC, Feb 20, Gurugram
7. ARC-ICO Teachers conclave session.78<sup>th</sup> Annual AIOC, Feb 20, Gurugram
8. SSTC Resource faculty .78<sup>th</sup> Annual AIOC, Feb 20, Gurugram

#### Invited Lectures

1. Three lectures on Gonioscopy, Childhood glaucoma and Phakic IOL during Annual Haryana Ophthalmic Society Conference, Oct 2019, Sirsa

#### Research Project:

##### Ongoing:

##### As Principal Investigator

1. A prospective randomized interventional open label study to compare the efficacy and safety of atropine 0.01% eye drops in controlling progression of myopia.
2. A prospective, randomized, interventional and comparative open label trial to compare efficacy of Trehalose 3% over sodium hyaluronate 0.1% in patients with dry eye disease.
3. A prospective randomized clinical trial to compare the ocular hypotensive effect and safety of brinzolamide1% and brimonidine0.2% combination vs bimatoprost 0.03% and timolol 0.5% in primary open angle glaucoma, ocular hypertension and normotensive glaucoma.
4. Comparative analysis of various chopping techniques of phacoemulsification surgery for the management of cataract.
5. Prospective study to evaluate the efficacy of different treatment modalities for patients of amblyopia.
6. Effectiveness of using dexmedetomidine as an adjunct to local anaesthetics in peribulbar block in ocular surgeries.
7. Comparison of effectiveness of Binocular Polarised video games for Amblyopia vs Conventional Occlusion therapy for Treatment of Amblyopia in Children
8. A prospective randomized interventional parallel study to compare the effectiveness and safety of Ologen biodegradable implant as an adjunct in glaucoma patients undergoing trabeculectomy/ single port trabeculectomy with intraoperative 0.02% mitomycin-c with standard surgery.

**As Co-Investigator**

1. To detect causative organisms causing corneal-ulcer in western Rajasthan. Dept. of Microbiology, AIIMS, Jodhpur

**Completed:**

**As Principal Investigator**

1. To study the effect of common Yoga postures on IOP
2. Incidence and Prevalence of Dry-Eye in Western Rajasthan
3. Correlation of anterior segment parameters with intra-operative and post-operative complications in cases of Pseudoexfoliation syndrome undergoing Phacoemulsification cataract surgery

**As Co-Investigator**

1. Rapid Assessment of Avoidable Blindness with R.P. Centre, AIIMS, New Delhi
2. ICMR study on Congenital Rubella Syndrome

**Scientific Awards/Patents**

1. Honorary Editorial post in IJO, DOS Times, EC Ophthalmology
2. Best teacher award at 1<sup>st</sup> IBeach FF,Goa
3. Travel grant by APOIS, Singapore

**Examinership**

1. PG Exam – RPC, AIIMS New – Delhi, SN MC Jodhpur, MAMC Agroha, RNT MC Udaipur, Geetanjali Medical College, Udaipur
2. UG Exam – AIIMS,Rishikesh, MAMC Agroha & RNT MC Udaipur

**Membership/Post in Journal or Society or Association :**

1. Member – American Academy of Ophthalmology
2. Member- European Society of Cataract and Refractive Society
3. Member – Indian Paediatric Glaucoma Society
4. Nominated for Associate Editor post in Pubmed Indian Journal of Ophthalmology.
5. Faculty invitation in an International conference by ESCRS.

**Name of Faculty: Dr. Suwarna Suman**

**Designation: Assistant Professor**

**Research Project:**

**Ongoing:**

**As Co-investigator**

1. A study of retinal changes in women with Polycystic Ovarian Syndrome, AIIMS Jodhpur

**Completed:**

**As Co-Investigator**

1. Congenital Rubella Syndrome Surveillance, ICMR

**Examinership**

1. External examiner from RUHS Jaipur Rajasthan for MBBS examination at Dr. S.N. medical college department of ophthalmology, 8-11, Feb 2020.
2. Appointed as External examiner for the practical examination of third prof. M.B.B.S part-I (supplementary) exam. Jun.-2019. at Dr.S.N. Medical College (Paramedical), Jodhpur on 15.06.2019
3. External examiner by Rajasthan University of Health Sciences, Jaipur to conduct B.Sc. (HONS.) Ophthalmic techniques part-I (supplementary) May. 2019 in the subject Optics at Dr.S.N. Medical College (Paramedical), Jodhpur.

**Membership/Post in Journal or Society or Association :**

1. Life member of "Association of Community Ophthalmologists of India" 2020
2. Fellow BMJ case reports

**National/ International Conferences attended:**

1. Webinar- Recent advances in management of diabetic retinopathy (AIOS), Nov. 2019
2. Webinar- Basics of Glaucoma Surgeries (AIOS); Nov. 2020
3. Webinar- Basic principles of Oculoplastic Procedures (AIOS); may 2019
4. CME- Optimizing Outcomes in Cataract Surgery: Advances InTechnology and Postoperative Care; VME; 05-01-2020
5. CME- Assessing and Treating Diabetic Retinopathy Amid New Recommendations and Evidence ; VME; 23-05-2019
6. Course- Diabetic eye disease: Building capacity to prevent blindness; LSHTM; 27-12-2019
7. Course- global blindness; LSHTM; Feb. 2020
8. Course- Why ethics matter: Ethical Research; Griffith University;
9. Webinar- Exceed expectations of monofocal patients; 27 march 2020
10. 1<sup>st</sup> AIIMS Jodhpur Neuroradiology(AJ-NR) Update 2019 - 16<sup>th</sup> & 17<sup>th</sup> November, 2019

**Name of Faculty: Dr Seema Meena**

**Designation: Assistant Professor**

**Symposium Speaker**

1. Pharmacotherapy in DR – CME on diabetic eye disease and Cataract held at AIIMS, Jodhpur on 12<sup>th</sup> May, 2019

**Research Project:****Ongoing:****As Co-Investigator**

1. Retinal thickness variation in patients with Gestational Diabetes Mellitus.
2. Primary stenting vs no stenting in Endo DCR: A randomized control trial

**Membership/Post in Journal or Society or Association :**

1. Member of Delhi Ophthalmological Society
2. Member of Rajasthan Ophthalmological Society

**National/ International Conferences attended:**

1. Attended Annual Conference of Rajasthan Ophthalmological Society from 20<sup>th</sup>-22<sup>nd</sup> September, 2019 at Jaipur

**Conferences/ activities organised by the Department of Ophthalmology**

**Workshops/ Conferences Organized**

1. CME on Diabetic Eye Disease and Cataract organized by Department of Ophthalmology at AIIMS, Jodhpur on 12<sup>th</sup> May 2019



Lamp lighting ceremony, CME on Diabetic Eye Diseases and Cataract

2. Trachoma Training Programme organized by Department of Ophthalmology at AIIMS, Jodhpur on 16<sup>th</sup> May 2019
3. World Sight Day was organized by AIIMS Jodhpur in association with PCB trust and DBCS at AIIMS Jodhpur on 10<sup>th</sup> October 2019. This year the call to action was “Vision first” to draw attention to eye examination so that everyone, everywhere has access to good vision and eye health. Established by the World Health Organization (WHO) in 2000, World Sight Day is the main advocacy event for raising awareness about blindness and vision impairment for VISION 2020: The Right to Sight, a global initiative created by WHO and the International Agency for the Prevention of Blindness (IAPB).



Enthusiastic organizers, Awareness program on World sight day, AIIMS Jodhpur



Innovative methods of promotion of the "Vision first" initiative

4. Glaucoma awareness week from 8<sup>th</sup>-14<sup>th</sup> March, 2020 organized by Department of Ophthalmology at AIIMS Jodhpur.



Public engagement session, Trachoma Awareness week, AIIMS Jodhpur

**Eminent Visitors:**

1. Shri Amit Lodha, IPS (IGP-BSF)
2. Shri BL Kothari, Divisional Commissioner, Jodhpur
3. Shri Prakash Rajpurohit, District collector
4. Dr. V.K. Tewari – Health Education Officer, MOHFW, New Delhi
5. Dr. Praveen Vashist, Professor and Head, Community Ophthalmology Department, Dr. R.P. Centre, AIIMS, New Delhi

## Department of Orthopaedics

S.No.	Name	Designation
1	Dr. Abhay Elhence	Professor
2	Dr. Sumit Banerjee	Additional Professor
3	Dr. Nitesh Gahlot	Associate Professor
4	Dr. Nilesh Barwar	Assistant Professor (Trauma & Emergency)

### About the Department:

The year 2019-20 has been a progressive one for the department of Orthopaedics at AIIMS Jodhpur.

The department conducted two workshops, had two international and 5 national visitors to the department. The department work received international and national accolade in the form of presentations by faculty and junior residents in International and national forums.

The department faculty were invited as guest speakers at multiple International and National workshops.

Multiple research projects were undertaken within and outside the institution.

### Compiled list of publication

#### Publication

- Banerjee S, Munde K, Gehlot N and Elhence A. Incidence and Management of Ramp Lesions in Cases of ACL Injury: Perspectives From A Tertiary Care Centre. *Int J Recent Sci Res*,2019;10(07): 33562-6.
- Banerjee S, Rathore KS, Mali M and Elhence A. Enterococcal multifocal infective osteomyelitis (mio) in a patient without sickle cell disease: A Case Report. *Int J Recent Sci Res*,2019;10(07): 33923-6.
- Mishra K, Siddharth V, Elhence A, Jalan D, Khera D, Yasir M. Effectiveness of Individualized, Goal Directed Institutional Based Rehabilitation Programme in Children With Developmental Delay Disorders, in a Region With Limited Rehabilitation Accessibility. *J Pediatr Rehabil Med* 2019;12(1):49-56.
- Mishra K, Siddharth V, Bhardwaj P, Elhence A, Jalan D, Raghav P, Mahmood SE. The Prevalence Pattern of Locomotor Disability and Its Impact on Mobility, Self-Care, and Interpersonal Skills in Rural Areas of Jodhpur District. *Nigerian Med J*. 2019; 60 (3): 156-60.
- Jalan D, Maley DK, Elhence A, Elhence P, Jain P. Massive Gouty Tophi Presenting as Pseudotumor of the Elbow: A Rare Presentation. *Cureus* 2020 Jan 25; 12(1):e6769. PMID: 32140336 PMCID: PMC7039359 DOI: 10.7759/cureus.6769
- Gupta A, Elhence A. Use of Endoprotheses for Proximal Femur Metastases Results in a Rapid Rehabilitation and Low Risk of Implant failure--A Prospective Population-Based Study. *J Bone Oncol*. 2020 Apr; 21: 100279. PMID: 32082983 / PMCID: PMC7025085 / DOI: 10.1016/j.jbo.2020.100279
- Gahlot N, Elhence A. Traumatic thoracic spine intramedullary hemorrhage: Rare spinal cord injury. *Indian Spine J* 2020;3:123-6.
- Barwar N, Elhence A, Banerjee S, Gahlot N. Does a staged treatment of high energy tibial plateau fractures affect functional results and bony union? A case series. *Chin J Traumatol*. 2020;S1008-1275(20)30092-4. doi:10.1016/j.cjtee.2020.03.00.
- Agrahari RK, Sharma VD, Banerjee S, Dave OP, Gupta D, Holistic approach to managing Pilonidal sinus. *World Journal of Pharmaceutical Research*, 2019;8(12), 718-27.
- Banerjee S, Gupta A, Chaudhary R, Rathore KS, Khera S. Pelvic Echinococcosis presenting as a mass in the Gluteal Region: A Case Report. *Le Infezioni in Medicina*, 2019: 4, 456-460.
- Gupta A, Gahlot N, Elhence P. Complete paraplegia with diffuse osteolytic skeletal metastases: an uncommon presentation of carcinoma of the prostate. *Spinal Cord Ser Cases*. 2020;6(1):25.
- Gahlot N, Jalan D, Elhence P. C4 cervical spine osteoblastoma associated with secondary aneurysmal bone cyst in an adolescent patient: 2-year follow-up. *Spinal Cord Ser Cases*. 2019;5:89.

13. Barwar N. Bertolotti's Syndrome: Prevalence, Classification and Current Concepts of Management: A Review. Orthop Muscular Syst 2019, 8:1
14. Barwar N, Sharma B. Asymptomatic extrusion of anterior cervical spine implant from hypopharynx: a case report. Journal of Turkish Spine Surgery, Manuscript ID: JTSS-2020-215 accepted for publication.

**Name of Faculty: Abhay Elhence**

**Designation: Professor**

#### **Books / Chapters**

1. Chapter title: **AVN hip**.  
Authors: **Abhay Elhence**, Nitesh gahlot.  
Book title: "FAQ's in practical orthopaedic examination"
2. Chapter title: **DDH hip**.  
Authors: **Abhay Elhence**, Khushwant singh Rathore  
Book title: "FAQ's in practical orthopaedic examination"
3. Chapter Title: **Arthrodesis and Arthroplasty**  
Section title: Arthritis and Hand Disorders in Rheumatology  
Authors: **Abhay Elhence**, Mahaveer Mali  
Book Title: Textbook of Orthopaedic Rheumatology

#### **Papers presented / Sessions Chaired / Invited Guest Speaker:**

1. Conducted Pelvi Acetabular Workshop at Dundee, from 30<sup>th</sup> April – 5<sup>th</sup> May, 2020 Scotland, UK.
2. Pelvi-acetabular and complex THR symposiums with workshop as faculty on 10<sup>th</sup> May and 11<sup>th</sup> May, 2019 at HICC – Novotel, Hyderabad.
3. Pelvi-acetabular workshop 2019 on 13<sup>th</sup> July – 14<sup>th</sup> July, 2019 at Bombay Orthopaedic Society – KEM, Bombay.
4. Calicut Pelvi-acetabular Course as faculty on 10<sup>th</sup> August – 11<sup>th</sup> August, 2019 at Kazhikode.
5. The Basic Pelvic-Acetabular Fracture management course as Resource Person on 13<sup>th</sup> – 14<sup>th</sup> September, 2019 at Colombo, Sri lanka.
6. The North East Basic Pelvi-Acetabular Workshop cum CME on 6<sup>th</sup> – 7<sup>th</sup> September, 2019 at Gauhati Medical College and Hospital, Guwahati.
7. The Cochin International Orthopaedics Summit as Faculty on 4<sup>th</sup> – 5<sup>th</sup> October, 2019 at Grand Hyaat & Convention Centre, Bolgatty Island, Kochi.
8. An external expert for Collaborative projects between AIIMS Delhi and IIT Delhi at AIIMS, New Delhi.
9. The Calicut Pelvic-Acetabular Course (CPAC-2019) as Faculty on 19<sup>th</sup> October, 2019 at Kozhikode.
10. The Elite Arthroplasty Congress 2019 as Faculty at JW Marriot, Chandigarh on 9<sup>th</sup> November – 10<sup>th</sup> November, 2019.
11. The 64<sup>th</sup> Annual Conference of Indian Orthopaedic Association (IOACON-2019) as Faculty at Biswa Bangla Convention Centre, Kolkata, West Bengal on 19<sup>th</sup> November – 22<sup>nd</sup> November, 2019.
12. Organized Jodhpur Arthrocopy symposium on 20<sup>th</sup> – 21<sup>st</sup> December, 2019 at AIIMS, Jodhpur.
13. The 32<sup>nd</sup> Annual Conference of Rajasthan Orthopaedic Surgeons Association (ROSA 2020) as Faculty at Sawai madhopur on 3<sup>rd</sup> January and 4<sup>th</sup> January, 2020.
14. The South Asia Tribology Summit 2.0 as Faculty at Chennai on 18<sup>th</sup> January, 2020.
15. The TOSACON – 2020 as Faculty at Nizamabad on 24<sup>th</sup> January – 25<sup>th</sup> January, 2020.
16. The AO Trauma Course – Advanced Principles of Fracture Management at Jodhpur as Faculty and Chairman from 5<sup>th</sup> February – 6<sup>th</sup> February, 2020.
17. The 4<sup>th</sup> Annual Conference of Association of Pelvi-acetabular Surgeon as Invited Faculty at Ahmedabad from 20<sup>th</sup> March – 22<sup>th</sup> March, 2020.



18. The AO Recon. Course – Principles of Total Hip and Knee Arthroplasty at Kolkata as National Faculty on 27<sup>th</sup> 28<sup>th</sup> March, 2020.

#### **Awards**

##### **Symposium speaker**

1. Chief Organizer and Coordinator for Symposium on “Pelvi-Acetabular Trauma”. University of Dundee, Scotland United Kingdom. [dates]

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

[Title].[Funding Agency if applicable],[Collaborating Institute if applicable]

1. The Prevalence Pattern of Locomotor Disability and its Impact on Mobility, Self-Care, and Interpersonal Skills in Rural Areas of Jodhpur District. / May 2019/ Mishra K, Siddharth V, Bhardwaj P, **Elhence A**, Jalan D, Raghav P, Mahmood SE. / Niger Med J. / 156-160 / PMID : 31543569

##### **Completed:**

##### **As Principal Investigator**

1. Comparative evaluation of thrombotic events with tourniquet use during full length of surgery vs only at cementation in Total Knee Arthroplasty.

##### **As Co-Investigator**

1. Effect of platelet Rich plasma on healing of autologous graft following ACL reconstruction: A Randomized Control trial.

#### **Examinership**

1. External Expert, Faculty Recruitment at AIIMS , New Delhi [dates]
2. External Expert, Faculty Recruitment at AIIMS Rishikesh
3. External Evaluator, Extramural Projects at AIIMS Delhi
4. External Examiner, AIIMS Rishikesh
5. External Examiner, Jolly Grant Medical College, Uttarakhand
6. External Examiner, Government Medical college Chandigarh
7. External Examiner, Subharati Institute of Medical Sciences, Meerut

#### **Membership/Post in Journal or Society or Association :**

1. Treasurer; Association of Pelvic and Acetabular Surgeons

**Name of Faculty: Dr. Sumit Banerjee**

**Designation: Additional Professor**

#### **Books/Chapters**

1. Banerjee S. Understanding the Knee: Biomechanics and soft tissue components. In: Know Your Orthopedics, Vol II. (2019), Educreation Publishers, Bilaspur

**Presentations:**

1. Poster presentation on "New Roots, Old Ground: managing ACL avulsions". EIOC; February 2020, Dubai
2. Shock in Trauma. ATLS Provider Course; January, 2020, AIIMS Jodhpur.
3. Spine and Spinal Cord Trauma. ATLS Provider Course; January 2020; AIIMS Jodhpur.
4. Pediatric Trauma. ATLS Provider Course; November 2019, AIIMS Jodhpur.
5. Spine and Spinal Cord Trauma. ATLS Provider Course; November 2019, AIIMS Jodhpur.
6. Presented Gold Medal Paper Titled "Seek and ye shall find: Incidence and management of Ramp lesions in cases of ACL Injury". IOACON; November 2019, Kolkata.
7. Poster Presentation on "The Plate-wire Conundrum: Outcomes of distal radius fractures treated with k - wires versus volar plating". IOACON; November 2019, Kolkata.
8. Invited Lecture on "Evidence based recommendations for management of chondral defects". 6th ICS Congress; November 2019, Mumbai.
9. Spine and Spinal Cord Trauma. ATLS Provider Course; September 2019, Jaipur.
10. Trauma in Pregnancy and intimate partner violence. ATLS Provider Course; September 2019, Jaipur.
11. Podium Presentation, Gold Medal paper on "Incidence and management of Ramp lesions in ACL injuries". IASCON; September 2019, Indore.
12. Pediatric Trauma. ATLS Provider Course, August 2019, Jaipur.
13. Lecture on "Transferring patients for Definitive care" ATLS Provider Course, May 2019, Jaipur
14. Lecture on "Abdominal and Pelvic Trauma" ATLS Provider Course, May 2019, Jaipur.
15. Faculty lecture on "Orthopaedic Injuries: Getting it Right, the first time" Trauma Update, May 2019, Jodhpur.
16. Faculty Lecture on "Current Concepts in management of Pelvic Trauma" CME on Trauma Update and Protocol meeting for Trauma and Emergency, April 2019, Jodhpur.
17. Faculty Lecture on "Total Knee Arthroplasty in Stiff Knees" Jaipur Shoulder and Knee Course, April 2019, Jaipur

**National/international Conferences attended:**

1. ATLS Instructor Course. Jaipur, March 2020
2. Current Concepts in Trauma. Jodhpur, February 2020
3. AO Trauma Course -Advanced principles of Fracture Management. Jodhpur, February 2020 (Organising team and Table Instructor)
4. ATLS Provider Course. Jodhpur, January 2020 (Organising Chairman and Faculty)
5. ROSACON. Ranthambore, January 2020 ( Faculty)
6. Jodhpur Arthroscopy Symposium 2019. Jodhpur, December 2020 (Organising Secretary and Faculty)
7. ATLS Provider Course. Jodhpur, November 2019 (Organising Chairman and Faculty)
8. Indian Cartilage Society Congress. Mumbai, November 2019
9. ATLS Instructor Course. Jaipur, September 2019
10. ATLS Provider Course. Jaipur, September 2019
11. ATLS Provider Course. Jaipur, August 2019
12. ATLS Provider Course. Jaipur, May 2019 (Faculty and Course Director Candidate)
13. Trauma Update. May 2019, Jodhpur
14. CME on Trauma Update and Protocol meeting for Trauma and Emergency. April 2019, Jodhpur.
15. Jaipur Shoulder Knee Course. Jaipur, April 2019 (Faculty and Workshop Coordinator)

**Research Project:****Ongoing****As Principal Investigator:**

1. To explore MiR-24 and Th17/Treg-imbalance as markers for disease activity in patients with rheumatoid arthritis and its correlation with clinical assessment of disease activity.

**As Co- Investigator:**

1. Prevalence, Diagnosis & Treatment Outcome of Non-tuberculous Mycobacteria in India: A Multicenter Project.
2. Effectiveness of institution-based goal-oriented rehabilitation in children with developmental delay disorder.

**Completed****As Principal Investigator:**

1. Study of Functional Recovery in Spinal Cord Injury Patients- Effect of a Comprehensive Rehabilitation program.
2. Managing Chronic/ missed PCL avulsions: Perspective and Experience at a tertiary care centre.

**A Prospective Observational Study**

1. Efficacy of platelet rich plasma therapy in management of pain in patients with knee osteoarthritis

**Scientific Awards**

1. Best Poster presentation, EIOC 2020, Dubai
2. Gold Medal Paper presentation at IOACON 2019, KOLKATA
3. Gold Medal Paper presentation at IASCON 2019, Indore
4. Qualified for ATLS India Course Director in 2019

**Membership/Post in Journal or Society or Association :**

1. Life member; International cartilage research society,
2. Member; AO Trauma
3. Associate Fellow; American College of Surgeons
4. Executive Member; Indian Cartilage Society

**National/ International Conferences attended:**

1. EIOC, Dubai, February 2020
2. SICOT World Orthopaedic Congress, Muscat, Oman, December 2020
3. ATLS Instructor Course, Jaipur, March 2020 (Faculty)
4. Current Concepts in Trauma, Jodhpur, February 2020, (Faculty)
5. AO Trauma Course -Advanced principles of Fracture Management, Jodhpur, February 2020 (Organising team and Table Instructor)
6. ATLS Provider Course, Jodhpur, January 2020 (Organising Chairman and Faculty)
7. ROSACON, Ranthambore, January 2020 ( Faculty)
8. Jodhpur Arthroscopy Symposium 2019, Jodhpur, December 2020 (Organising Secretary and Faculty)
9. ATLS Provider Course, Jodhpur, November 2019 (Organising Chairman and Faculty)
10. Indian Cartilage Society Congress, Mumbai, November 2019 (Faculty)
11. IOACON, Kolkata, November 2019 (Paper and Poster Presentation)
12. IASCON, Indore, September 2019 (Paper Presentation)
13. ATLS Instructor Course, Jaipur, September 2019 (Faculty)
14. ATLS Provider Course, Jaipur, September 2019 (Faculty)
15. ATLS Provider Course, Jaipur, August 2019 (Faculty)
16. ATLS Provider Course, Jaipur, May 2019 (Faculty and Course Director Candidate)
17. Trauma Update, May 2019, Jodhpur. (Faculty)
18. CME on Trauma Update and Protocol meeting for Trauma and Emergency, April 2019, Jodhpur. (Faculty)
19. Jaipur Shoulder Knee Course, Jaipur, April 2019 (Faculty and Workshop Coordinator)

**Name of Faculty: Dr. Nitesh gahlot**

**Designation: Associate Professor**

**Books/Chapters**

Chapter title: AVN hip.

Authors: Abhay Elhence, **Nitesh gahlot**.

Book title : "FAQ's in practical orthopaedic examination"

Chief Editor: Najmul Huda.

**Presentations:**

1. Traumatic anterior atlantoaxial subluxation (type ii) associated with type 3 Odontoid fracture and unilateral locked facets: A case report. Poster Presentation, Global Spine Congress 2019, 15<sup>th</sup> -18<sup>th</sup> May 2019, Toronto, Canada.
2. Cervical spine osteoblastoma in an adolescent patient. Poster Presentation, Global Spine Congress 2019, 15<sup>th</sup> -18<sup>th</sup> May 2019, Toronto, Canada.
3. A rare case of Cervical spine osteoblastoma complicated with secondary aneurysmal bone cyst in an adolescent patient. Podium Paper presentation, 63<sup>rd</sup> Annual Congress of the Korean Orthopaedic Association(KOA), Seoul, South Korea.
4. Case Presentation On Upper Extremity Trauma. 2<sup>nd</sup> meeting of APOA-YSF (Asia Pacific Orthopaedic Association- Young Surgeons Forum), Varanasi. January 2020.
5. Interesting Case Scenarios (Shoulder). INBOX VIDEO SESSION. Current concepts in Trauma (CCT), Feb-march 2020, Jodhpur.
6. Hip Fracture Nail workshops. Current concepts in Trauma (CCT), Feb-march 2020, Jodhpur.
7. Thoracolumbar fractures. UOS Spine Meet; August 2019, Udaipur

**Conferences attended as Faculty/ Chairman/ Resource person:**

**Resource Faculty**

1. Approach to a case of Knee Laxity. Co-orgnaizer, Jodhpur Arthroscopy Symposium, AIIMS, Jodhpur.
2. Rotator Cuff Tears. Co-orgnaizer, Jodhpur Arthroscopy Symposium, AIIMS, Jodhpur.
3. Shoulder Fractures. Panel Discussion, Current concepts in Trauma (CCT), Feb-march 2020, Jodhpur.
4. AO Trauma Course : Advance Principles of Fracture Management; Feb 2020. Table Faculty, Jodhpur
5. Cobolt Chromium rods v/s titanium rods in correction of spinal deformities in adolescents. Panel discussion, 3rd International Conference on Clinical Orthopedics & Spine Biomechanics.
6. Panel discussion. Problem statement – Ideation & implementation for spine surgeons, 3rd International Conference on Clinical Orthopedics & Spine Biomechanics

**Invited lectures**

1. Epidemiology of Cricket injuries in the era of enhanced competitiveness. Indian Association of Sports Medicine (IASMCON); Feb 2020, Jaipur.
2. Overuse sports injuries in young endurance athletes-risk factors & prevention. 2nd International Conference on Sports & Exercise Medicine (ICSEM); Feb 2020, Jaipur.
3. Talk on "Rotator Cuff Injuries and Management". Shoulder Symposium; Sept 2019, Jodhpur

**Research Project:**

**Completed**

**As Principal Investigator:**

1. Radiographic analysis of sagittal spino-pelvic balance in asymptomatic population and backache patients.

**Awards:**

1. The Ambassadorship and Travelling Fellowship to South Korea. Indian Orthopaedics Association (IOA); October 2019

**Membership/Post in Journal or Society or Association :**

1. Member; AO Trauma
2. Member; AO Spine
3. Executive Council Member; Asia Pacific Orthopaedic Association (APOA), Young Surgeons Forum India.

**National/ International Conferences attended:****International Conferences**

1. 63rd Annual Congress of the Korean Orthopaedic Association(KOA) at Seoul, South Korea. October 2019
2. Global Spine Congress 2019, 15-18 May 2019- Toronto, Canada
3. 3rd International Conference on Clinical Orthopedics & Spine Biomechanics
4. UOS Spine Meet, Udaipur, August 2019
5. Current Concepts in Trauma, Jodhpur, February 2020, (Faculty and Organising Team member)
6. AO Trauma Course -Advanced principles of Fracture Management, Jodhpur, February 2020 (Organising team and Table Instructor)
7. Jodhpur Arthroscopy Symposium 2019, Jodhpur, December 2020 (Co-Organising Secretary and Faculty)
8. IOACON, Kolkata, November 2019
9. Knee Arthroscopy Meet, Jodhpur
10. Shoulder Meet, Jodhpur

**Workshops/ Conferences Organized by the Department of Orthopaedics**

1. Jodhpur Arthroscopy symposium. AIIMS, Jodhpur, 20<sup>th</sup> – 21<sup>st</sup> December 2019
2. The AO Trauma Course – Advanced Principles of Fracture Management, AIIMS Jodhpur, 5<sup>th</sup> – 6<sup>th</sup> February 2020



Enthusiastic organizing team, Jodhpur Arthroscopy Symposium



Felicitating an eminent speaker

**Eminent Visitors:**

1. Dr. Farid Kagda, National University Hospital, Singapore
2. Dr. Anthony Ward, Consultant Orthopaedics Surgeon, NHS, Bristol, UK
3. Prof. H.L. Nag, AIIMS, New Delhi
4. Prof. Vivek Trikha, JPN Apex Trauma Center, AIIMS, New Delhi
5. Prof. Vijay Sharma, JPN Apex Trauma Center, AIIMS New Delhi
6. Prof. Sameer Agarwal, PGI Chandigarh
7. Dr. Saurabh Mathur, Arthroscopic Surgeon, Jaipur
8. Dr. Rajeev Gupta, Arthroscopic Surgeon, Jaipur

## Department of Otorhinolaryngology

S. No.	Name	Designation
1	Dr. Amit Goyal	Additional Professor and Head of Department
2	Dr. Bikram Choudhury	Additional Professor
3	Dr. Kapil Soni	Associate Professor
4	Dr. Darwin	Associate Professor
5	Dr. Sourabha Kumar Patro	Assistant Professor – (Resigned on 20 <sup>th</sup> August, 2019)

### About the Department

The Department has made steady progress in this year. It has well participated in all the institutional activities and have organized few events with newer concepts like rally cum cultural event for cochlear implant recipient children of the institute, street play and other events on the World Hearing Day. Our efforts in various training courses on cadavers have been well appreciated by the participants as reflected in the feedback from them.

We have represented the Department and Institute at various national and international forums via published articles and presenting talks/papers in various academic events. Our residents have brought us laurels by participating and winning in various competitions in various conferences (e.g. NESCON at Patna – Quiz and paper presentation). Dr. Neha Shakrawal, Senior Resident from our Department was awarded travel fellowship by FHNO in Head & Neck Surgery and visited Amrita Institute of Medical Sciences, Kochi.

The Department had significant presence including about 4 hours of academic involvement during 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otology. May-June, 2019, Warsaw, Poland.

Our faculty has also been awarded with Commonwealth Professional Fellowship in the field of Facial Plastics.

The Department has strengthened existing services in the various sub-specialties have been strengthened like Cochlear Implants, Skull Base, Head & Neck Surgery, Facial Plastic Surgery including Rhinoplasty and Surgery for Sleep Apnoea. We have done many complex cases also in collaboration with other Departments like Neurosurgery, CTVS, Plastic Surgery etc.

Our department has completed few research projects and is involved in many other research projects. Now we propose to submit bigger projects to external funding agencies also in future.

Our department has been also actively involved in many social events like Radio talks, newspaper articles, different awareness activities etc. to spread awareness especially with regards to early intervention for hearing loss and tobacco control.

The Department has not let the opportunity lost during Covid 19 times and has adopted newer methods of teaching via online platforms. It involved residents outside from our Department also.

The Department has also organized a lecture at AIIMS, Jodhpur on "Beauty of the Face" by Dr. Ullas Raghavan, a renowned E.N.T. and Facial Plastics Surgeon from Doncaster and Bassetlaw Teaching Hospital, Doncaster, United Kingdom.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

- Soni K, Patro SK, Aneja J, Kaushal D, Goyal A, Shakrawal N. Post-rhinoplasty outcomes in an Indian population assessed using the FACE-Q appraisal scales: a prospective observational study. J Laryngol Otol. 2020;134(3):247-51
- Debbarma S, Gupta R, Patro SK, Gupta AK, Pandhi P, Shafiq N. Randomised Comparison of Safety Profile and Short Term Response of Itraconazole, Voriconazole and Amphotericin B in the Management of Chronic Invasive Fungal Rhinosinusitis. Ind J Otolaryngol Head Neck Surg 2019 ; 71(3):2165-75

3. Goyal S, Sharma A, Goswami D, Kothari N, Goyal A, Vyas V, Kirubakaran R, Sahu R, Singh S. Clonidine and Morphine as Adjuvants for Caudal Anaesthesia in Children: A Systematic Review and Meta-Analysis of Randomised Controlled Trials. *Turk J Anaesthesiol Reanim* 2020;1(1)
4. Kesarwani A, Goyal A, Kumar A. Phlebectasia of Internal Jugular Vein- A Rare Differential Case of Neck Swelling With Review of Literature. *Iran J Otorhinolaryngol* 2019;31(105):239-42
5. Soni K, Elhence P, Kesarwani A, Rajan N. Primary Ewing's Sarcoma of Zygoma: A Common Diagnosis, Uncommon Site. *Ann Maxillofac Surg* 2019; 9:419-22
6. Soni K, Kaushal D, Choudhury B, Sahu RK. Bilateral congenital aplasia of nasal lower lateral cartilage: a rare anomaly. *BMJ Case Rep* 2020;13 (1)
7. Kumar P, Kaushal D, Garg PK, Gupta N, Goyal JP. Subglottic hemangioma masquerading as croup and treated successfully with oral propranolol. *Lung India* 2019 ;36(3):233-35
8. Kaushal D, Sharma V, Kumar P, Elhence P. Parotid tuberculosis in a young child causing moth-eaten mandibular osteomyelitis: an elusive diagnosis. *Sudan J Paediatr* 2019;19(2):156-60
9. Varshney B, Sharma V, Bharti JN, Patro SK. Submandibular gland actinomycosis: A rare disease–Worth to mention. *J Oral Maxillofac Patho* 2019 ;23(3):479
10. Bansal Y, Kombade SP, Nag VL, Patro SK. Case of Ludwig's angina due to *Corynebacterium diphtheriae* from western Rajasthan, India-A case report of an uncommon presentation. *J Family Med Prim Care* 2019 ;8(9):3061-3
11. Gupta R, Patro SK, Chauhan N, Kumar A. A Giant Pseudoaneurysm Mimicking Retropharyngeal Abscess in a Child. *Pediatr Emerg Care* 2019; 35(5):79-83
12. Kumar A, Varshney S, Tyagi AK, Patro SK, Malhotra M, Bhardwaj A. Choking–A Public Health Problem–Are We Prepared?. *Ind J Community Health*. 2019;31(2):284-86
13. Choudhury B, Verma AK. Association of snoring caused by adenoid hyperplasia with behavioural disturbances in school children. *Sleep Medicine* 2019;64:S73-74
14. Choudhury B, Verma AK. Surgical management of OSAHS - overcoming challenges in sleep surgery in a developing country. *Sleep Medicine*. 2019;64:S74

#### Non-Pubmed Indexed:

1. Singh RK, Goyal A, Kesarwani A, Kumar A, Sharma V. Preliminary Experiences of Trans Nasal Upper Esophagoscopy (TNUE) by Using Nasopharyngolaryngoscopes in LPRD Patients in Outpatient Settings. *Am J Otolaryngol Head Neck Surg*. 2019; 2(7): 1064
2. Prakasan Nair N, Sharma V, Goyal A, Kaushal D, Soni K, Choudhury B, Patro SK. Voice Rehabilitations in Laryngectomy: History, Present and Future. *Clin Surg*. 2019; 4: 2478
3. Goyal A. Status of Cochlear Implants in India. *J Hearing Sci*. 2019; 9(2):127
4. Jain S, Goyal A, Patro SK, Khera P, Yadav T, Choudhury B, Kaushal D, Soni K. Relationship between cochlear nerves cross-sectional area and auditory performance after cochlear implantation in prelingual deaf. *J Hearing Sci*. 2019;9(2):120
5. Goyal A, Sharma V, Khera P, Choudhury B, Kaushal D, Soni K, Patro S, Sameema VV. Endoscopic approaches to the lateral skull base: a review. *J Hearing Sci*. 2019; 9(2):88.
6. Goyal A, Choudhury B, Kaushal D, Soni K, Patro SK, Sharma V, Nair NP, Khera P. Surgical management of complicated cholesteatoma. *J Hearing Sci*. 2019; 9(2):59
7. Goyal A, Choudhury B, Kaushal D, Soni K, Patro SK, Gugliani A, Sharma PP. Status of otological training in India. *J Hearing Sci*. 2019; 9(2):58
8. Rajan N, Kaushal D, Soni K, Goyal A, Choudhury B, Patro S. Tackling salivary gland malignancies – identifying challenges to optimize treatment. *J Head Neck Phys Surg*. 2019; 7(1)
9. Kaushal D, Goyal A, Choudhury B, Soni K, Sharma V. Minion to monster: spectrum of papillary carcinoma and lessons learnt. *J Head Neck Phys Surg*. 2019; 7(1):S27.
10. Sameema VV, Kaushal D, Goyal A, Soni K, Shukla R. MEN Syndrome: report of two cases with review of literature. *J Head Neck Phys Surg*. 2019; 7(1):S36
11. Kaushal D, Gugliani A, Goyal A, Soni K, Sharma V. Pediatric thyroid cancer: challenges in treatment. *J Head Neck Phys Surg*. 2019; 7(1):S38.



12. Shakrawal N, Varshney B, Verma AK, Khera S, Goyal A, Patro SK. Thyroglossal duct cyst papillary carcinoma: A treatment puzzle yet to be solved! *Ann Indian Acad Otorhinolaryngol Head Neck Surg* 2019;3:85-8
13. Sahu RK, Sharma AK, Patel S, Kala P, Goyal A, Patro SK. Sternal Mass with Respiratory Compromise in a 10-year-old Child. *Journal of Bone and Soft Tissue Tumors*. Volume 5 (2), 2-3
14. Nithin PN, Patro SK, Rizwi K, Goyal A, Rajan N and Verma AK. Gusher: An Unpredictable Challenge in Stapedectomy. *Otolaryngol Open Access J* 2019, 4(2): 184
15. Nair NP, Soni K, Goyal A. Bifid facial nerve with absent stapes: a rare anomaly. *International Medicine* 2019; 1(5): 306-07

### **Name of Faculty: Dr. Amit Goyal**

### **Designation: Additional Professor and HOD**

#### **Papers Presented:**

1. Goyal A, Sharma V. Video on “Cochlear Implantation without operating microscope – a tryst with a new technology”. *Clinical Congress 2019, 27<sup>th</sup> October – 1st November, 2019, San Francisco, CA, USA.*

#### **Sessions Chaired:**

1. Facial trauma, AOCMF Introductory Seminar on Management of Facial Trauma, August, 2019, AIIMS, Jodhpur.
2. Cholesteatoma, 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otology. May-June, 2019, Warsaw, Poland.
3. Dr. Joe V Desa Oration, 39<sup>th</sup> Annual Conference of the Neuro-otological & Equilibriometric Society of India at AIIMS, Patna in February, 2020.

#### **Invited Lectures:**

1. Medical innovations – clinician’s perspective. Faculty Development Program on Machine Learning – An agent of Engineering for Change. September 2019, MBM Engineering College, Jodhpur.
2. Status of Cochlear Implants in India. 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otology. May-June, 2019, Warsaw, Poland.
3. Surgical management of complicated cholesteatoma. 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otology. May-June, 2019, Warsaw, Poland.
4. Status of Otological training in India. 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otology. May-June, 2019, Warsaw, Poland.
5. Technical pearls in surgery of monster thyroids. Head & Neck Master Course during Excellence in Oncology Care, October, 2019, Dubai.
6. Single stage angioembolisation and surgery for juvenile nasopharyngeal angiofibroma – our initial results. 6<sup>th</sup> Annual Conference of the Indian Academy of Otorhinolaryngology and Head & Neck Surgery and 11<sup>th</sup> SAARC ENT Conference, August, 2019, Gurugram.
7. Otological training in India – where are we lacking? 6<sup>th</sup> Annual Conference of the Indian Academy of Otorhinolaryngology and Head & Neck Surgery and 11<sup>th</sup> SAARC ENT Conference, August, 2019, Gurugram.
8. Modified Veria Technique of Cochlear Implantation. 39<sup>th</sup> Annual Conference of the Neuro-otological & Equilibriometric Society of India at AIIMS, Patna in February, 2020.
9. Challenging situation in Lateral Skull Base Surgery. 39<sup>th</sup> Annual Conference of the Neuro-otological & Equilibriometric Society of India at AIIMS, Patna in February, 2020.
10. Three classes on Basic audiology at the Department of Neurosurgery. Dr. S.N. Medical College, Jodhpur.

**Symposium Speaker:**

1. Various topics related to Veria technique of Cochlear Implantation. Versatile Veria 2020 – The Surgical Symposium on Cochlear Implants Technique & Technology, January, 2020, New Delhi.

**Resource Faculty:**

1. 3<sup>rd</sup> Cadaver Dissection Course on Head & Neck Surgery; August 2019, AIIMS, Jodhpur.
2. 3<sup>rd</sup> Cadaver Dissection cum Live Surgical Course on Rhinoplasty and Facial Plastics; December 2019, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. Beta defensin expression in malignant head and neck tumors. AIIMS, Jodhpur.

**As Co-Investigator**

1. Congenital Rubella Syndrome Surveillance. ICMR. Multi-centric.
2. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – a pilot study. AIIMS Jodhpur.
3. Role of Immuno-regulatory T-cells in oral squamous cell carcinoma. AIIMS Jodhpur.
4. Stenting versus no stents during Endoscopic DCR – a randomized study.
5. Intraoperative monitoring of parathormone in parathyroid surgery.
6. Audiological Profile in Dengue Fever.
7. Is tympanomastoid suture a better landmark than tragal pointer for identifying the facial nerve?
8. Minion to Monster: Spectrum of papillary carcinoma and lessons learnt.
9. Intraoperative parathormone monitoring guided parathyroid gland excision in sporadic hyperparathyroidism.

**Completed:****As Principal Investigator**

1. Characterization of thyroid lesions in fine-needle aspiration cytological (FNAC) specimens using a panel of immunohistochemical markers: a proposal for clinical application. AIIMS Jodhpur.

**As Co-Investigator**

1. Trend of laboratory confirmed cases of Diphtheria. AIIMS Jodhpur.
2. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale.
3. Prevalence of Head & Neck carcinoma in western Rajasthan.

**Examinership:**

1. MBBS, AIIMS, Jodhpur Dec 2018 & Feb 2019
2. Thesis evaluator at Gujarat University, Ahmedabad and Rajasthan University of Health Sciences, Jaipur.
3. Paper setter for MS for various universities.

**National/ International Conferences attended:**

1. Collaborative Medical Device Design Initiative - Co-MeDDI by the UK India Education and Research Initiative. February, 2020, KGMU, Lucknow.
2. Clinical Congress 2019, Annual Conference of American College of Surgeons, 27<sup>th</sup> October – 1st November, 2019, San Francisco, CA, USA.

3. 32<sup>nd</sup> Annual Meeting of the Politzer Society and 2<sup>nd</sup> World Congress of Otolaryngology. May-June, 2019, Warsaw, Poland.
4. Head & Neck Master Course during Excellence in Oncology Care, October, 2019, Dubai.
5. AOCMF Introductory Seminar on Management of Facial Trauma, August, 2019, AIIMS, Jodhpur.
6. 39<sup>th</sup> Annual Conference of the Neuro-otological & Equilibriometric Society of India at AIIMS, Patna in February, 2020.
7. Versatile Veria 2020 – The Surgical Symposium on Cochlear Implants Technique & Technology, January, 2020, New Delhi.
8. 6<sup>th</sup> Annual Conference of the Indian Academy of Otorhinolaryngology and Head & Neck Surgery and 11<sup>th</sup> SAARC ENT Conference, August, 2019, Gurugram.
9. Faculty Development Program on Machine Learning – An agent of Engineering for Change. September 2019, MBM Engineering College, Jodhpur.

**Name of Faculty: Dr. Bikram Choudhury**

**Designation: Additional Professor**

**Papers Presented:**

1. Choudhury B. Effectiveness of Coblation in management of stricture of oropharynx, hypopharynx and trachea, Inaugural Congress of The Asia-Pacific Laryngology Association & 8th International Annual Conference of Laryngology & Voice Association & 6th Asia Pacific Paediatric Airway Course, 01-03 November 2019, Singapore.
2. Choudhury B, Verma AK. Surgical Management of OSAHS – Overcoming Challenges In Sleep Surgery In A Developing Country” at World Sleep Congress on Sleep Medicine, 20-25 September 2019, Vancouver, Canada.
3. Choudhury B, Verma AK. Association of snoring caused by adenoid hyperplasia with behavioural disturbances in school children” at World Sleep Congress on Sleep Medicine, 20-25 September 2019, Vancouver, Canada.

**Resource Faculty:**

1. 3rd Cadaver Dissection Course on Head & Neck Surgery, August 2019, AIIMS, Jodhpur.
2. 3rd Cadaver Dissection cum Live Surgical Course on Rhinoplasty and Facial Plastics, December 2019, AIIMS, Jodhpur..

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study

**As Co-Investigator.**

1. Beta defensin expression in malignant head and neck tumors. AIIMS, Jodhpur.
2. Role of Immuno-regulatory T-cells in oral squamous cell carcinoma. AIIMS Jodhpur.
3. Stenting versus no stents during Endoscopic DCR – a randomized study.
4. Characterization of Monster thyroids.
5. Intraoperative monitoring in parathyroid surgery.
6. Audiological Profile in Dengue Fever.
7. Is tympanomastoid suture a better landmark than tragal pointer for identifying the facial nerve?
8. Minion to Monster: Spectrum of papillary carcinoma and lessons learnt.

9. Intraoperative parathormone monitoring guided parathyroid gland excision in sporadic hyperparathyroidism.

**Completed:**

**As Co-Investigator**

1. Prevalence and difficulties in management of Head and Neck cancers in western Rajasthan- an Institutional study.

**National/ International Conferences attended:**

1. Inaugural Congress of The Asia-Pacific Laryngology Association & 8th International Annual Conference of Laryngology & Voice Association & 6th Asia Pacific Paediatric Airway Course, 01<sup>st</sup> -03<sup>rd</sup> November 2019 , Singapore
2. World Sleep Congress on Sleep Medicine, 20<sup>th</sup> -25<sup>th</sup> September 2019, Vancouver, Canada

**Name of Faculty: Dr. Kapil Soni**  
**Designation: Associate Professor**

**Papers Presented:**

1. Soni K, Goyal A, Kaushal D, Shakrawal N. Post-rhinoplasty outcomes with FACE-Q appraisal scale: a prospective observational study at annual meeting of the European Academy of Facial Plastic Surgery, September 18-21, 2019, Amsterdam, The Netherlands.
2. Soni K, Elhence P, Goyal A, Choudhury B, Kaushal D. Correlation between the expression of MMP-9, MMP- 13, TIMP-1, p16 and differentiation of Head and Neck Squamous Cell Carcinoma: A Prospective Observational Study at annual meeting of Foundation of Head Neck Oncology, 11-13 October, 2019, Chennai.

**Invited Lectures:**

1. Fracture of Nasal Skeleton, AOCMF Introductory Seminar, 10-11 August, 2019, AIIMS, Jodhpur.

**Resource Faculty:**

1. 3rd Cadaver Dissection Course on Head & Neck Surgery, August 2019, AIIMS, Jodhpur.
2. 3rd Cadaver Dissection cum Live Surgical Course on Rhinoplasty and Facial Plastics, December 2019, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Hearing loss in Dengue : A prospective case control study
2. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale. AIIMS, Jodhpur

**As Co-Investigator.**

1. Beta defensin expression in malignant head and neck tumors. AIIMS, Jodhpur
2. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – a pilot study. AIIMS Jodhpur.
3. Role of Immuno-regulatory T-cells in oral squamous cell carcinoma. AIIMS Jodhpur.
4. Stenting versus no stents during Endoscopic DCR – a randomized study.

5. Characterization of Monster thyroids.
6. Intraoperative monitoring in parathyroid surgery.
7. Audiological Profile in Dengue Fever.
8. Is tympanomastoid suture a better landmark than tragal pointer for identifying the facial nerve?
9. Minion to Monster: Spectrum of papillary carcinoma and lessons learnt.
10. Intraoperative parathormone monitoring guided parathyroid gland excision in sporadic hyperparathyroidism.

**Completed:**

**As Principal Investigator**

1. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale
2. Prevalence and difficulties in management of Head and Neck cancers in western Rajasthan- an Institutional study.

**Scientific Awards/Patents:**

1. Awarded Commonwealth Professional Fellowship in the field of Facial Plastics by Commonwealth Scholarship Commission (CSC) in United Kingdom

**National/ International Conferences attended:**

1. Annual meeting of the European Academy of Facial Plastic Surgery, Amsterdam, The Netherlands, 18<sup>th</sup> - 21<sup>st</sup> September 2019.
2. Annual meeting of Foundation of Head Neck Oncology, Chennai, 11<sup>th</sup> -13<sup>th</sup> October, 2019.

**Name of Faculty: Dr. Darwin**  
**Designation: Associate Professor**

**Papers Presented:**

**Papers Presentations:**

1. Kaushal D, Soni K, Goyal A. Spectrum of Throid Malignancies at AIIMS Jodhpur.VI Eurasian Head & Neck Cancer Forum, Eurasian Federation of Oncology; July 2019, Moscow, Russia.
2. Kaushal D, Soni K, Choudhury B. Pediatric thyroid cancer: challenges in treatment. International Federation of Head & Neck Oncologic Societies (IFHNOS) and 19th National Meet of The Foundation for Head & Neck Oncology (FHNO); Oct 2019, Chennai, India.
3. Kaushal D, Sharma V, Nair NP. Minion to monster: spectrum of papillary carcinoma and lessons learnt. International Federation of Head & Neck Oncologic Societies (IFHNOS) and 19th National Meet of The Foundation for Head & Neck Oncology (FHNO); Oct 2019, Chennai, India.

**Sessions Chaired:**

1. Pathogenesis of Fungal infections- 13th National Conference of Society for Indian Human & Animal Mycologists; Feb 2020, AIIMS Jodhpur, India.
2. Management of Thyroid swelling- Annual Conference of The Association of Surgeons of India— Rajasthan Chapter; Oct 2019, AIIMS Jodhpur, India.
3. Glomus tumours- 39th Annual Conference of the Neuro-otological and Equilibrimetric Society of India; 2020, Patna, India.

**Invited Lectures**

1. Genetics in Hearing loss. 39th Annual Conference of the Neuro-otological and Equilibriometric Society of India; 2020, Patna, India.

**Resource Faculty:**

1. 3rd Cadaver Dissection Course on Head & Neck Surgery; August 2019, AIIMS, Jodhpur.
2. 3rd Cadaver Dissection cum Live Surgical Course on Rhinoplasty and Facial Plastics; December 2019, AIIMS, Jodhpur.
3. 39th Annual Conference of the Neuro-otological and Equilibriometric Society of India; 2020, Patna, India.

**Research Project:****Ongoing****Principal Investigator:**

1. Evaluation of frequency of regulatory T cells in cases of oral squamous cell carcinoma
2. Primary stenting Vs no stenting in Endo DCR: a randomised controlled trial.
3. Is tympanomastoid suture a better landmark than tragal pointer for identifying the facial nerve?
4. Minion to Monster: Spectrum of papillary carcinoma and lessons learnt.
5. Intraoperative parathormone monitoring guided parathyroid gland excision in sporadic hyperparathyroidism.

**Co-Investigator:**

1. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study. AIIMS, Jodhpur.
2. Audiological Profile in Dengue Fever.
3. Beta defensin expression in malignant head and neck tumors. AIIMS, Jodhpur.

**Completed:****As Principal Investigator****As Co- Investigator**

1. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale. AIIMS, Jodhpur.

**Membership/Post in Journal or Society or Association**

1. Executive body Member; Neuro-Otological & Equilibriometric Society of India.
2. Member of European Head and Neck Society.
3. Reviewer; Journal of Otolaryngology and ENT Research.

**National/ International Conferences attended:**

1. 19th Annual meeting of the Foundation of Head & Neck oncology and International federation of head & neck oncologic societies world tour, Chennai, Oct 2019.
2. Annual Conference of Association of Surgeons of India—Rajasthan Chapter. AIIMS Jodhpur, Oct 2019
3. 13th National Conference of Society for Indian Human & Animal Mycologists, AIIMS Jodhpur, Feb 2020
4. VI Eurasian Head & Neck Cancer Forum, Eurasian Federation of Oncology, Moscow, Russia, July 2019
5. 39th Annual Conference of the Neuro-otological and Equilibriometric Society of India, Patna, India, 2020

**Name of Faculty: Dr Sourabha Kumar Patro**

**Designation: Assistant Professor**

**Papers Presented:**

1. Patro SK, Goyal A. Experiences with diagnostic and management surprises in AFRS. During Rhino world; June 2019, Chicago, USA.
2. Patro SK, Soni K. Stewardship of topical antibiotic prescriptions in CSOM. at AAO-HNS Annual meeting; September 2019, New Orleans, Louisiana, USA.

**Sessions Chaired:**

**Invited Lectures**

1. Instruction course on Management Of Fungal Sinusitis challenges, dilemmas, findings and suggestions, 93rd Annual Congress of Korean Society of Otorhinolaryngology-Head & Neck Surgery 2019; 26<sup>th</sup> April 2019, Seoul

**Resource Faculty:**

1. Head and Neck cadaveric dissection workshop 2019. AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Beta defensin expression in malignant head and neck tumors.
2. The role for the above project changed from Principal investigator to co-investigator from 23<sup>rd</sup> August 2019 vide letter numbers AIIMS/RES/2019/3588 and 3590

**As Co-Investigator**

1. Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan. Non-funded

**Scientific Awards/Patents**

1. IVS scholarship of American Academy of Otolaryngology and Head and Neck Surgery 2019.

**Membership/Post in Journal or Society or Association**

1. Member; International Guild of Robotic and Endoscopic HNS(IGREHNS)
2. Member; Young IFOS
3. Member; Association of Otolaryngologists of India (AOI).
4. Member; Cochlear Implant group of India (CIGI).
5. Member; Indian society of Otology (ISO).

**National/ International Conferences attended:**

1. Annual Meeting of American Rhinology society 2019 at New Orleans, Louisiana, USA, 13<sup>th</sup> -14<sup>th</sup> September 2019.
2. Annual Meeting of AAO-HNS 2019 at New Orleans, Louisiana, USA, 15<sup>th</sup> -17<sup>th</sup> September 2019.

**Workshops/ Conferences Organized**

1. 3<sup>rd</sup> Hands-on cadaver dissection course on Head & Neck Surgery, AIIMS, Jodhpur, 30<sup>th</sup> & 31<sup>st</sup> August 2019
2. 3<sup>rd</sup> Hands-on cadaver dissection course cum Live Surgical Workshop on Rhinoplasty and Facial Plastics, AIIMS, Jodhpur, 12<sup>th</sup>-13<sup>th</sup> December 2019
3. World Deaf Day celebration on 29<sup>th</sup> September 2019.
4. World Hearing Day celebration on 3<sup>rd</sup> March 2020.

**Eminent Visitors:**

1. Dr. Ullas Raghavan, a renowned E.N.T. and Facial Plastics Surgeon from Doncaster and Bassetlaw Teaching Hospital, Doncaster, United Kingdom.

**Conferences organized by the Department:****3<sup>rd</sup> Head Neck cadaveric dissection course 2019**

Head Neck surgery cadaveric dissection course-2019 was organized by the Department of Otorhinolaryngology and Anatomy on 30-31<sup>st</sup> August 2019 at AIIMS, Jodhpur. All Faculties of both the Departments gave active and effective contribution towards the planning and execution of the event. This academic feast covered topics related to Thyroidectomy, Parotidectomy and Neck dissection in form of various lectures by subject experts. All delegates were taught finest skills related to head neck surgery particularly on one to one basis.

The event was conducted under guidance of Prof. Sanjeev Mishra, Director, AIIMS, Jodhpur in month of August 2019. The event included lectures, cadaveric dissection demonstration followed by hands on cadveric dissection. Dr. Arvind Kairo from AIIMS, New Delhi joined us as guest faculty for the event. The event had 35 attendees from various parts of the country. In order to motivate our delegates and for better assessment of the dissection, two best dissectors (Dr. Monil and Dr. Danish Arora) were awarded.

One of the most satisfying thing for us is the positive feedback of all our dissectors and their passion for the field which we are able to see through their surgeries which they are conducting in the remote areas under limited resources. Their knowledge and learning is definitely going to contribute a lot in development of our healthcare system.



Hands-on session in progress





Enthusiastic participants, 3<sup>rd</sup> Head Neck Cadaveric Dissection Course

### World deaf day, 2019

The Department of Otorhinolaryngology marked the occasion of World Deaf Day on 29<sup>th</sup> September, 2019 by organising an awareness rally followed by an informal cultural program within the hospital campus. The highlight of the events of the day was the heart-warming participation of the hearing-impaired children, who had either undergone or were awaiting, cochlear implantation, at our institute. The World Deaf Day is celebrated on the last Sunday of September every year to create awareness about the contributions of deaf people to society and celebrate their accomplishments. So, what better way to celebrate it than with the hearing-impaired children and their families so that they could share their challenges and achievements with one another!

The day started with an awareness rally within the hospital premises, flagged by Dr. Kuldeep Singh, Dean (Academics) and Dr. Amit Goyal, Head of the Department of Otorhinolaryngology, AIIMS, Jodhpur. The children walked happily alongside each other, holding placards and banners, with their families not far behind. Afterwards, we all gathered in the amphitheatre, along with Faculty from other departments and our invited Guest, Mr. Narpal Singh Kachchwaha from the Bharat Seva Sansthan, who has played a pivotal role in making the journey of these children and their families easier by acting as a link between them and the Government bodies.

This was followed by captivating performances by the children in the form of poem recitation, reciting the alphabet, dance performances etc. A quiz was conducted in which the children took part enthusiastically. It was a matter of great pride for all of us to see the happy faces celebrating every "little" success together. It was also an opportunity for the parents to interact with each other to share their problems and their successes. The events of the fulfilling day came to an end with the felicitation ceremony, wherein the children were felicitated by our Dr. Kuldeep Singh, Dean and our Guest, Mr. Narpal Singh Kachchwaha.



Enrolling the masses, World Deaf Day 2019, AIIMS Jodhpur



Encouraging young participants, World Deaf Day 2019, AIIMS Jodhpur

### 3<sup>rd</sup> Hands-on Cadaver Dissection Course cum Live Surgical Workshop on Rhinoplasty and Facial Plastics

3<sup>rd</sup> Live Surgical and Hands-on Cadaveric dissection course in Rhinoplasty and Facial Plastics was organized by Department of Otorhinolaryngology in collaboration with Department of Anatomy and Anaesthesiology and Critical Care.

Dr. Ullas Raghavan, a renowned ENT and facial Plastics Surgeon from UK were invited as a guest faculty along with Dr. Rakesh Kumar, Professor, Department of Otorhinolaryngology, AIIMS, New Delhi.

This event was inaugurated on 12<sup>th</sup> December, 2019 by the Prof. Kuldeep Singh, Dean (Academics) of the Institute. The academic feast covered lectures on different aspects of Rhinoplasty & Facial Plastics.

Five patients were operated and were demonstrated live to delegates and was appreciated well by delegates. Cadaveric dissection was demonstrated by faculty and then hands on were performed by delegates on 13<sup>th</sup> December, 2019.

The event had 20 delegates from various parts of the country and abroad. One of the most satisfying thing for us was the positive feedback of all our dissectors and their interest in this subspecialty of ENT.



Live demonstration session in progress



Hands-on training session

### World hearing day, 2020

The Department of Otorhinolaryngology, AIIMS Jodhpur, celebrated World Hearing Day on 3<sup>rd</sup> March 2020. The theme for this year was “Hearing for Life-Don’t let hearing loss limit you”. The idea behind this theme was to spread awareness about tertiary prevention i.e. ways to rehabilitate individuals suffering from hearing loss, due to a variety of reasons. According to WHO, around 60% of the disability caused by hearing loss can be reduced if every individual in need uses a hearing device. The various options for rehabilitation include, hearing aids and cochlear implants, auditory and speech rehabilitation, sign language and communication, and assistive technologies and services. The focus was to encourage the masses to adopt a more inclusive approach towards people with hearing loss and not to ignore their problems leading to their social isolation.

For this purpose, our department conducted a street play based on the said theme, in the OPD Waiting Hall of the Hospital’s OPD Complex in the forenoon. Through the ten minutes’ play, the undergraduate and postgraduate (ENT) students displayed various scenarios such as congenital hearing loss, presbycusis, acquired treatable hearing loss and noise induced hearing loss due to occupational exposure. Employing easily understandable words, the message of addressing the needs of the hearing impaired and rehabilitating and mainstreaming them into society, was delivered by their impressive performance, which was appreciated by the audience comprising of patients and their attendants, judging by their positive feedback.

Additionally, a poster making competition, creative writing and slogan writing competition on the same theme were organised inviting entries from undergraduate and postgraduate students. The students enthusiastically participated, displaying beautifully, their creative writing and painting skills to drive home the socially and medically relevant message in a unique and hard-hitting manner.



Street play organized in OPD waiting hall, World Hearing Day, AIIMS Jodhpur



Participants and prize winners, World Hearing Day, AIIMS Jodhpur

## Department of Pathology and Laboratory Medicine

S. No.	Name	Designation
1	Dr. Poonam Elhence	Professor & HOD
2	Dr. Jyotsna Naresh Bharti	Associate Professor
3	Dr. Meenakshi Rao	Associate Professor
4	Dr. Aasma Nalwa	Associate Professor
5	Dr. Abhishek Purohit	Associate Professor
6	Dr. Sudeep Khara	Assistant Professor
7	Dr. Deepak Vedant	Assistant Professor
8	Dr. Vikarn Vishwajeet	Assistant Professor

### About the Department:

With the goal of providing standard diagnostic services in health care, the Department of Pathology and Lab medicine is working with fully operational Histopathology, Cytopathology, Hematology and Immunopathology wings. The Department is moving towards establishing molecular diagnostic tests, cytogenetic studies and increased use of novel predictive and prognostic immunohistochemical markers in oncology in the era of personalized medicine.

A wide range of samples are processed in cytopathology ranging from CSF, Urine, BAL Fluid, Sputum, cervical brushings, Buccal smear and Direct and Guided aspirate from superficial and deep seated lesions. Hematology section has showed a surge of bone marrow aspiration and biopsies which will be followed by mandatory ancillary techniques such as flow cytometry, RT-PCR and cytogenetics. Immunological tests such as SPEP are also currently available. Currently, the Department offers more than 100 immunohistochemical antibodies in its diagnostic services.

There has been an increase in the workload in this period as compared to the previous 12 months. The following tests were carried out by the Department of Pathology from 01<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020:

99746 CBC, 16760 ESR, 4995 PBF, 23068 Urine Microscopy, 19520 Prothrombin Time, 3104 Activated Partial Thromboplastin time, 257 Fibrinogen, 168 bone marrow examination, 853 HPLC, 112 Factor VIII, 109 Factor IX, 102 APCR, 106 Anti-thrombin, 127 Protein C, 127 Protein S, Lupus anticoagulant 203, 1917 Fluid cytology, 1222 Cytology cell blocks, 1211 Pap smears, 61 Review Cytology cases, 38166 Histopathology blocks, 125 Frozen Sections, 476 Review Histopathology cases, 8994 Special stains, 5927 Immunohistochemistry, 98 Direct immunofluorescence, 39 Forensic Autopsy cases and 21 Fetal Autopsies.

Several new instruments have been installed in the Department during this period: FUS-2000 Urine analyser, STA satellite max, ELISA reader and washer and one more grossing work station to handle the increasing work load.

The Department has a strength of eight Faculty members with expertise in different sub-specialties. The Faculty is actively involved in undergraduate and postgraduate teaching and research activities. The Department conducts regular teaching, grossing and microscopy sessions for post-graduate students. Currently, 15 post-graduate students and 1 Fellow for Cytopathology post-doctoral fellowship are enrolled. Ten Senior Residents are currently working in the Department. Besides this, all the Faculty and Residents give their substantial time and efforts for the teaching and practical training of MBBS students. Specialized training programs in subspecialties of pathology such as Dermatopathology, Renal pathology and Hematopathology are being planned for the near future.

**Compiled list of Publications of the Department:****Papers:****Pubmed Indexed:**

1. Bharti S, Choudhary G R, Bharti JN, Garg PK, Arsha B.S, PA Elhence. Sarcomatoid Chromophobe Renal Cell Carcinoma with Heterologous Component. *Iran J Pathol.* 2020; 15(1): 57-61.
2. Varshney B, Sharma V, Bharti JN, Patro SK. Submandibular gland actinomycosis: A rare disease – Worth to mention. *J Oral Maxillofac Pathol* 2019; 23:479.
3. Bharti JN, Sharma K, Soni S, Dharamsaktu D. Malignant Spindle Cell Neoplasm of Intestine: A Rare Case Report. *J Gastrointest Cancer.* 2020 Jun;51(2):636-638.
4. Gothwal M, Singh P, Bharti JN, Yadav G, Solanki V. Giant cervical angiomyomatous polyp masquerading third-degree uterine prolapse: A rare case with review of literature. *Int J Appl Basic Med Res* 2019; 9:256-8.
5. Yadav G, Solanki V, Bharti JN, Bharti S, Singh P, Gothwal M. Pure Transitional Cell Carcinoma of the Ovary Presenting as Bilateral Complex Cystic Masses in a Premenopausal Woman - Case Report and Review of Literature. *J Midlife Health.* 2019;10(3):156-159.
6. Rao M, Choudhary GR, Yadav T, Nalwa A. Renal Replacement Lipomatosis: A relatively uncommon and underreported entity. *Indian J Pathol Microbiol* 2020;63:S59-60.
7. Singh S, Rao M, Verma A. Mutilating diffuse cutaneous leishmaniasis in acquired immunodeficiency syndrome. *Br J Dermatol* 2019;181(6):e144.
8. Chhakchhuak, M., Bajpai, N. & Purohit, A. CRAB Positive Acute Lymphoblastic Leukemia, Masquerader of Multiple Myeloma. *Indian J Hematol Blood Transfus.* 2020;36:417–418.
9. Subhadarshani, S., Gupta, V., Purohit, A. et al. Vasculitis Unravelling Hairy Cell Leukemia. *Indian J Hematol Blood Transfus.* 2020;36:438–440.
10. Durga Shankar Meena, Gopal Krishana Bohra, Mahendra Kumar Garg, Abhishek Purohit, Deepak Kumar, Swapnil Tripathi. Case Reports in Emergency Medicine:2020. Article ID 4746865. doi.org/10.1155/2020/4746865.
11. Jeewan Ram Vishnoi, Ajai Sasidhar, Sanjeev Misra, Puneet Pareek, Sudeep Khara, Sushil Kumar, Ankit Jain Hepatoblastoma in a Young Adult: a Rare Case Report and Review of the Literature *Journal of Gastrointestinal Cancer.* 2020 mar;51(1):319-324.
12. Bains A, Vedant D, Verma A, Bhardwaj A, Nalwa A Ichthyosis follicularis, alopecia, and photophobia (IFAP) syndrome: A case report and review of cases reported from India. *IDOJ.* 2019;10: 686-691.
13. Mathivanan BR, Singh S, Bardia A, Nalwa A. Comment on 'Bullous pyoderma gangrenosum secondary to underlying multiple myeloma: treated with ciclosporin'. *Clinical and experimental dermatology.* 2019 Oct;44(7):e245-6.
14. Singh G, Singh SK, Nalwa A, Singh L, Pradeep I, Barwad A, Sinha A, Hari P, Bagga A, Bagchi S, Agarwal SK. Glomerular C4d staining does not exclude a C3 glomerulopathy. *Kidney international reports.* 2019 May 1;4(5):698-709.
15. Das P, Gahlot GP, Singh A, Baloda V, Rawat R, Verma AK, Khanna G, Roy M, George A, Singh A, Nalwa A. Quantitative histology-based classification system for assessment of the intestinal mucosal histological changes in patients with celiac disease. *Intestinal research.* 2019 Jul;17(3):387.
16. Roy S, Nalwa A, Keith J, Weck K, Singh H, Nিকেleit V. Pseudoliner C4d deposits in a hereditary glomerulopathy caused by a rare NC1 collagen-4-alpha-5 missense mutation: a "new disease entity"? *Ultrastructural pathology.* 2019 Sep 3;43(4-5):209-15.
17. Chaudhari P, Kaur J, Nalwa A, Suri V, Panda A, Bhasker S, Chander S. Epithelial Myoepithelial Carcinoma of Parotid Gland. *Indian Journal of Otolaryngology and Head & Neck Surgery.* 2019 Oct:1-4.
18. Verma A, Singh S, Nalwa A. Masturbation-induced painless hemorrhagic bulla on scarring penile lichen planus. *Indian Journal of Dermatology, Venereology, and Leprology.* 2020 Jan 1;86(1):96.
19. Chugh A, Srivastava I, Khatana S, Nalwa A, Bharti JN. Case series of adenomatoid odontogenic tumour of jaws with variations in presentation. *BMJ Case Reports CP.* 2020 Jan 1;13(1).
20. Rajan MB, Budania A, Vishwajeet V. Drawstring papules in an Indian woman. *British Journal of Dermatology.* <https://doi.org/10.1111/bjd.19032>.

21. Gupta Akshat, Gahlot Nitesh, Elhence Poonam. Complete paraplegia with diffuse osteolytic skeletal metastases: an uncommon presentation of carcinoma of the prostate. *Spinal Cord Series and Cases*. 2020 Apr 22;6(1):25.
22. Jalan D, Maley D, Elhence A, Elhence P, Jain P. Massive Gouty Tophi Presenting as Pseudotumor of the Elbow: A Rare Presentation. *Cureus*. 2020 Jan 25;12(1):e6769.
23. Saxena R, Pathak M, Shukla R, Sinha A, Elhence P, Bharti J, Khera P. Bronchial Carcinoid tumour as a rare cause of Cushing's syndrome in children – A case report and review of literature. *Journal of Clinical Research in Pediatric Endocrinology*. 2020 Jan 3. doi: 10.4274/jcrpe.galenos.2019.2019.0156. Online ahead of print.
24. Varshney V K, Yadav T, Elhence P, Sureka B. Preoperative diagnosis of pancreatic schwannoma – Myth or reality. *Journal of Cancer Research and Therapeutics*. 2020. 10.4103/jcrt.JCRT\_730\_18.
25. Shekhar S, Sharma C, Elhence P, Bansal S, Garg N. A case of high-grade endometrial stromal sarcoma: A poignant allegory. *J Mid-life Health* 2019;10:209-12.
26. Tiwari S, Yadav T, Pamnani J, Mathew J, Elhence P, Kokkula P, Vedant D, Khera P, Garg P, Vyas V. Diffuse Leptomeningeal Glioneuronal Tumor: A Unique Leptomeningeal Tumor Entity. *World Neurosurgery*. 2020 Mar;135:297-300.
27. Elhence P. A Commentary on “Clinico-pathological and prognostic significance of CXCR4 high expression in renal cell carcinoma: A meta-analysis and literature review” (*Int J Surg* 2019; 71:12-18). *International Journal of Surgery*. 2019 Dec;72:214-5.
28. Gahlot N, Jalan D, Elhence P. C4 cervical spine osteoblastoma associated with secondary aneurysmal bone cyst in an adolescent patient: 2-year follow-up. *Spinal Cord Series and Cases*. 2019 Oct;5:89.
29. Goyal M, Batra S, Singh P, Shekhar, S, Elhence P. Swyer Syndrome with Heterotopic Adrenal Cortical Tissue in Streak Gonads: A Rare Case and Review of Literature. *Journal of Human Reproductive Sciences*. Oct-Dec 2019;12(4):345-347.
30. Khera D, Elhence P, Khera P. An unusual cause of lymphadenopathy in a child. *BMJ Case Reports*. 12. e230436. 10.1136/bcr-2019-230436.
31. Soni K, Elhence P, Kesarwani A, Rajan N. Primary Ewing's Sarcoma of Zygoma. *Annals of Maxillofacial Surgery*. Jul-Dec 2019;9(2):419-422.
32. Sureka B, Elhence P, Khera P, Choudhary G, Pandey H, Garg PK, Yadav K, Goel A. Quantitative contrast-enhanced perfusion kinetics in multiparametric MRI in differentiating prostate cancer from chronic prostatitis: results from a pilot study. *The British Journal of Radiology*. 2019 Aug;92(1100):20190181.
33. Dwivedi S, Pareek P, Vishnoi, Jeewan Ram, Elhence Poonam, Sharma Praveen, Misra Sanjeev. (2019). Significance of breast cancer stem cell marker and tumor suppressor mirnas (miR 200a, miR 200b, miR205 and miR 145) in breast carcinoma. *Clinica Chimica Acta*. 2019 June;493:S8.
34. Sureka B, Varshney V, Elhence P, Bharti J, Yadav T, Garg PK, Khera P. Unusual Case of a Pancreatic Neuroendocrine Tumor Containing a Central Scar. *ACG Case Report Journal*. 2019 Mar 18;6(3):1-5.

#### **Non-Pubmed Indexed:**

1. Shukla K, Bhaskar S, Garg M, Bharti JN, Yadav A, Jha DK. Long-segment intramedullary spinal dermoid. *Interdisciplinary Neurosurgery*. 2020; 20:100648.
2. Bagga N, Elhence P, Rao M, Nalwa A, Khera S, Bharti JN, et al. A prospective study of cervical lesions diagnosed by liquid-based cytology in western Rajasthan, India population. *Int J Res Med Sci* 2019; 7:4573-7.
3. Onkar, A, Samdariya S, Rao M, Morya A. Taming the masquerade – a rare case of sebaceous gland carcinoma. *Clin Cancer Investigation J*. 2020; 9:19-21.
4. Khera S, Elhence P, Bagga N, Garg P, Choudhary R. Sialolipoma of Parotid Gland: a Lesser Known Entity *Indian Journal of Surgery*. *Indian Journal of Surgery*. 2020;82:90-92.
5. Yadav T, Meena VK, Shaikh M, Khera S, Sureka B, Garg P, Khera PS. Clinico-radiological-pathological correlation in eumycetoma spectrum: Case series North Clin Istanbul. doi: 10.14744/nci.2019.98215.
6. Elhence P, Soni K. HPV in Head and Neck Cancer –Implications for diagnosis, prognosis and treatment. *Rajasthan J Otolaryngol Head and Neck Surg* 2019;3(1):13-15.

**Name of Faculty: Dr. Poonam Elhence**



## Designation: Professor

### Papers / Posters Presented:

1. Nalwa A, Vishwajeet V, Mittal A, Bajpai N, Elhence P. Morphological spectrum of Lupus Nephritis in an upcoming tertiary care center in Rajasthan. International Update on Renal & Transplantation Pathology (IURP 2020); 14<sup>th</sup> -16<sup>th</sup> February 2020, Dr. Lal Path Labs, New Delhi.
2. Khera S, Elhence P, Sarangi S. Pilomatrical carcinoma of scalp developing in a background of atypical Pilomatrixoma: A rare entity. International Update in Head and Neck Pathology; 17<sup>th</sup> -19<sup>th</sup> January 2020, Kolkata, India.
3. Vedant D, Sharma R, Sharma K, Dharamsaktu D, Bains A, Elhence P. Papular Acantholytic Dermatitis- A Histopathological Mimicker of Darriers Disease". 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM); 04<sup>th</sup> -07<sup>th</sup> Dec 2019, PGIMER Chandigarh.
4. Vedant D, Saha S, Chaudhary N, Elhence P. Past, present and FISHing in Future". 8th Annual Conference of Molecular Pathology Association of India, MPAICON 2020; 10<sup>th</sup> – 12<sup>th</sup> January 2020, Sri Ram Cancer Center, Mahatma Gandhi Medical College & Hospital, Sitapura, Jaipur.
5. Deepika, Bharti S, Elhence P, Vedant D, Vishnoi JR. Metastatic sebaceous carcinoma to parotid gland from primary eyelid tumour diagnosed on FNAC. CYTCON 2019 PGIMER, Chandigarh.
6. Deepika, Elhence P, Bharti JN, Sharma R, Vishnoi JR. Diagnosis of Metastatic PTC, Tall cell variant, with high grade transformation –A rare case report. CYTCON 2019 PGIMER, Chandigarh.
7. Jain A, Vishnoi JR, Misra S, Dixit P, Bajpayee A, Elhence P, Sasidhar A. Odontogenic myxofibroma with concomitant parahemophilia: A quagmire from the management perspective. NATCON IASO, Kokata, 20<sup>th</sup> -22<sup>nd</sup> Sept 2019.
8. Madhubala, Sharma R, Bardia A, Sarangi S, Purohit A, Elhence P. Plasma cell myeloma: Extramedullary presentation. 3<sup>rd</sup> Haematology Update. 28<sup>th</sup> July, 2019. AIIMS, Jodhpur.
9. Sharma R, Khera S, Elhence P. Synovial sarcoma of the breast: A rare case report. 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM); 05<sup>th</sup> – 08<sup>th</sup> Dec 2019, PGIMER Chandigarh.
10. Sharma R, Elhence P, Rao M, Vedant D, Vishnoi JR, Chaudhary RK, Pareek P. Expression of PD-L1 and Ki-67 Proliferation index in invasive breast cancer and correlation with TILs and clinico-pathological characteristics. 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM); 05<sup>th</sup> – 08<sup>th</sup> Dec 2019, PGIMER Chandigarh.
11. Arsha, Kumar M, Elhence P, Purohit A. Visceral thrombosis in a known case of PNH –A case report. 3<sup>rd</sup> Haematology Update; 28<sup>th</sup> July 2019, AIIMS, Jodhpur.
12. Khan A, Banerjee P, Mishra R, Arora M, Tailor D, Elhence P, Bajpayee A, Mandal S. Challenges and advantages of standardizing Acidified Glycerol Lysis Time (AGLT) test to study the Red Cell Storage Lesions. Oral Presentation at Transmedcon; Jan 2020, National Annual Conference of ISTM (Indian Society for Transfusion Medicine), Mumbai.
13. Banerjee P, Singh S, Md. Atik Khan, Ranka R, Barath AS, Elhence P, Chugh A, Mandal S. Platelet Function Testing by Whole blood Platelet Count Drop Method in different patient groups including normal volunteers and patients on aspirin in a tertiary care hospital in North India. Poster Presentation at Transmedcon; Jan 2020, Mumbai.

### Sessions Chaired:

1. CYTOCON 2019, PGIMER; 8<sup>th</sup> -10<sup>th</sup> November 2019, Chandigarh.
2. Breast Cancer Pathology session, 3<sup>rd</sup> Annual International Precision Oncology and Breast Cancer Conference; 12<sup>th</sup> October 2019, Jaipur, Rajasthan.
3. Managing difficult PGs, NCPE; 4<sup>th</sup> November, 2019, AIIMS, Jodhpur.
4. Chairperson, Proffered Paper session, CYTOCON 2019; 9<sup>th</sup> November, PGIMER, Chandigarh.
5. Judge for Col. D. B. Nayar memorial award, CYTOCON 2019; 10<sup>th</sup> November, PGIMER, Chandigarh.

6. Development of PBM on a national scale -Steps and challenges, Professor Erica Wood; 29<sup>th</sup> November 2019, AIIMS, Jodhpur.
7. Invited Judge, Poster session, Zakir Hussain Hall, APCON 2019; 08<sup>th</sup> December 2019, PGIMER, Chandigarh.

**Symposium Speaker:**

1. Panel discussion, Soft tissue sarcomas , 3<sup>rd</sup> Annual International Precision Oncology and Breast Cancer Conference; 12<sup>th</sup> October 2019, Jaipur, Rajasthan
2. Panelist, Thyroid cancer cases, RAJCON; 19<sup>th</sup> October 2019, AIIMS, Jodhpur.
3. Panelist, Breast cancer cases, RAJCON; 20<sup>th</sup> October 2019, AIIMS, Jodhpur.

**Research Project:**

**Ongoing Project:**

**As Co-investigator:**

1. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal cell carcinomas.
2. Diagnostic utility of various Immunohistochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma.
3. Expression of Nestin and CD146 in Breast Carcinoma and its correlation with clinicopathological factors and immunohistochemical markers
4. The dynamics of Breast cancer stem cells and miR221-3p, miR133a-3p, and miR9-5p expression correlates with the clinical and pathological outcomes in Breast Cancer patients undergoing neoadjuvant or palliative systemic chemotherapy (Intramural)
5. Comparison of Sono-endoscopic needle aspiration of mediastinal lesions via tracheal (EBUS-TBNA) versus esophageal (EUS- B FNA) route using the same EBUS scope (The smelter Study)–A Prospective Randomized Control Study (Intramural), AIIMS, Jodhpur.
6. Evaluation and validation of apoptosis, angiogenesis and cell cycle regulating miRNA (miR 221-3p, miR133a-3p and miR 9-5p) with FGF1 (Fibroblast Growth Factor 1) and NR2F2 (nuclear receptor subfamily 2 group F member 2) and CDK15 genes and their expression in patients and cell lines of oral submucous fibrosis and oral squamous cell carcinoma.

**Completed:**

**As Principal Investigator:**

1. Immuno-histochemical validation of TLE1, Nuclear beta-catenin and Mib1 in Soft Tissue Sarcomas with RT-PCR based correlation of SYT-SSX in cases of synovial sarcomas.

**As Co-investigator:**

1. A retrospective 4.5years study of risk stratification for salivary gland FNAC specimens by application of the Milan system.
2. Characterization of thyroid lesions in fine-needle Aspiration cytological (FNAC) specimens using a panel of Immuno-histochemical markers: a proposal for clinical Application (Intramural), AIIMS, Jodhpur.
3. Comprehensive analysis of role of MMP9, MMP13, TIMP1 and p16 in Head and Neck Cancer (Intramural), AIIMS, Jodhpur.
4. Narrow Band Imaging (NBI) video bronchoscopy for vascular pattern assessment in patients with suspected lung cancer and its relationship with histology – A single centre observational study.
5. Histopathological examination of testicular nubbin: A retrospective study.
6. A Feasibility Study of Clinical, Radiological and Pathological response to Neo-Adjuvant Chemotherapy with use of Radiopaque Markers in Locally Advanced Breast Cancers undergoing surgery (Intramural), AIIMS, Jodhpur.

**Examinership:**

1. Internal Examiner, MBBS 2<sup>nd</sup> Professional Exams, AIIMS, Jodhpur.
2. External Examiner, PDF, Cytopathology, PGIMER, Chandigarh.
3. External Examiner, PDF, Neuropathology, ICP, PGIMER, Chandigarh.
4. External examiner, BDS, 2<sup>nd</sup> Professional Exams, Vyas Dental College, Jodhpur.
5. External Examiner, RUHS, Jaipur
6. External Examiner, MBBS, 2<sup>nd</sup> Professional Exams, SNMC, Jodhpur.

**Membership/Post in Journal or Society or Association ::**

1. Member; ISBER, USA.
2. Member; Dermatopathology Society of India.

**National/ International Conferences attended:**

1. 3<sup>rd</sup> Haematology Update, 28<sup>th</sup> July 2019, AIIMS, Jodhpur.
2. 3<sup>rd</sup> Annual International Precision Oncology and Breast Cancer Conference, 12<sup>th</sup> October 2019, Jaipur.
3. CYTOCON, PGIMER, Chandigarh, 8<sup>th</sup> -10<sup>th</sup> November 2019.
4. International Society of Blood Transfusion Academy Event on Patient Blood Management, 29<sup>th</sup>- 30<sup>th</sup> November 2019, AIIMS, Jodhpur.

**Name of Faculty: Dr. Meenakshi Rao**

**Designation: Associate professor**

**Papers Presented:**

1. Saha S, Rao M, Vishnoi JR, Begam I, Saraf P. An unusual histopathologic feature in postchemotherapy primary fallopian tube carcinoma. Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur – 2<sup>nd</sup> prize
2. Anju G, Rao M, Khera P, Pareek P, Deepsikha, Gupta D, Saraf P. An unusual manifestation of squamous cell carcinoma of cervix. Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur
3. Deepsikha, Rao M, Vishnoi JR, Saraf P, Gupta D, Saraf P, Anju G. Sertoli leydig cell tumour of ovary with retiform areas and sarcomatous overgrowth : A rare entity. Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur
4. Conferences attended: Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur (Co-author) CME on gynecological pathology. February 8<sup>th</sup>, 2020, Sri Shankara cancer centre, Bangalore.

**Sessions Chaired:**

1. Cancer cervix. I Raj AGOICON; 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur

**Invited Lectures:**

1. TCGA classification of carcinoma endometrium. I Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur

**Research Project:****Ongoing Project:****As Principal Investigator**

1. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal cell carcinomas

**As co-investigator:**

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia.
2. Histological & immunohistochemical changes in buccal mucosal graft in case of hypospadias
3. Incidence of Pre-invasive lesions of the fallopian tube in Indian Women and usefulness of fallopian tube cytology as a screening tool for epithelial ovarian cancers
4. Diagnostic utility of various Immunohistochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma.

**Completed:****As Principal Investigator**

1. Study of immunohistochemical expression of GATA3 in various subtypes of primary and metastatic breast carcinomas.

**As co-investigator:**

1. Comparison of efficacy and side effect profile of a combination of intralesional triamcinolone acetonide injection and percutaneous microneedling versus intralesional triamcinolone acetonide injection alone in the treatment of keloids.
2. Detection of nerve fibres in the eutopic endometrium in women with endometriosis, adenomyosis and uterine fibroids.
3. A retrospective 4.5 years study of risk stratification for salivary gland FNAC specimens by application of the Milan system.

**Membership/Post in Journal or Society or Association ::**

1. Member; Indian association of pathologists and microbiologists (IAPM)
2. Member; Indian academy of cytologists (IAC)

**National/ International Conferences attended:**

1. Raj AGOICON, 22<sup>nd</sup>-23<sup>rd</sup> February 2020, AIIMS, Jodhpur (Co-author) CME on gynecological pathology. February 8<sup>th</sup>, 2020, Sri Shankara cancer centre, Bangalore.

**Name of Faculty: Dr. Jyotsna Naresh Bharti**  
**Designation: Associate professor**

**Research Project:****Ongoing Project:****As Principal Investigator**

1. Expression of Nestin and CD 146 in Breast Carcinoma and its correlation with clinicopathological factors and immunohistochemical markers.

**Completed:****As Principal Investigator**

1. Risk stratification by application of Milan system for Reporting Salivary Gland Cytopathology: A tertiary care experience.

**Examinership:**

1. External examiner in MBBS examination 2<sup>nd</sup> Prof. (Regular) batch 2<sup>nd</sup> -4<sup>th</sup> March 2020; MLN Medical College, Allahabad.

**National/ International Conferences attended:**

1. Simplified teaching course on Neuro-oncopathology: Nistusa Avabodhaka Vidruti, TMH Mumbai, 11<sup>th</sup> – 13<sup>th</sup> October 2019
2. First international conference in Genitourinary Oncopathology, Basavatarakam Indo American cancer Hospital and Research Center, Hyderabad; 8<sup>th</sup>- 9<sup>th</sup> November 2019.
3. Hands-on Workshop on Interphase FISH 2020; Christian Medical College, Vellore; 5<sup>th</sup> -7<sup>th</sup> February 2020

**Name of Faculty: Dr. Abhishek Purohit**

**Designation: Associate professor.**

#### **Books/Chapters**

1. Editor, Haematology Pearls 2019.
2. Purohit A., Kumar M. (2019) Antiphospholipid Syndrome. In: Saxena R., Pati H. (eds) Hematopathology. Springer, Singapore. doi.org/10.1007/978-981-13-7713-6\_20

#### **Papers Presented:**

1. Evaluation of paroxysmal nocturnal haemoglobinuria clone detection with FLAER based panel. HaemIcon 2019 –Annual academic session of Sri Lanka College of Haematologists on Sept. 19<sup>th</sup>, 2019 at Colombo, Sri Lanka.

#### **Invited Lectures**

1. Diagnostic approach to thrombocytopenia. CME on Haematology organized by Association of Clinical Pathologists of Nepal; 20<sup>th</sup> April 2019, Kathmandu, Nepal
2. Understanding automated CBC. CME on Haematology organized by Association of Clinical Pathologists of Nepal 20<sup>th</sup> April 2019, Kathmandu, Nepal
3. MDS: Basics of diagnosis. Haematology Oncology Update organized by Bhagwan Mahaveer Cancer Hospital & Research Centre; 18<sup>th</sup> May 2019, Jaipur
4. Hypercoagulable states: an approach to workup. 7th Haematology update organized by the Department of Pathology, J.L.N.Hospital & Research Centre; June 30<sup>th</sup>, 2019, Bhilai, Chhattisgarh
5. MPN-MDS Disorders: Diagnostic Issues. 60<sup>th</sup> Annual Conference of the Indian Society of the Haematology & Blood Transfusion (ISHBT) – Haematocon 2019; 10<sup>th</sup> November 2019, New Delhi
6. Orientation of Haemophilia. Workshop on haemophilia, thalassaemia and voluntary blood donation at government Medical College; 5<sup>th</sup> December, 2019, Pali
7. CBC analyzers (3 Part) Flags & troubleshoots. 9<sup>th</sup> CME Jan 2020 for Medical Technologists at Tata Memorial Hospital; 3<sup>rd</sup> January 2020, Mumbai Maharashtra
8. Introduction to Flowcytometry: Principles of functioning in Flowcytometry. Workshop in RGCON 2020, Annual conference of Rajiv Gandhi Cancer Hospital & Research Centre; 7<sup>th</sup> February 2020, Delhi

#### **Symposium Speaker**

1. Panel discussion on “Unique challenges in the treatment of CML”. 3<sup>rd</sup> Annual International Precision Oncology and Breast Cancer Conference; 11<sup>th</sup> October 2019, Jaipur, Rajasthan
2. Panel discussion on “MRD and Clinicians” in India Myeloma Congress 2020, Nizam Institute of Medical Sciences; 10<sup>th</sup> January 2020, Hyderabad.

#### **Resource Faculty:**

1. Flowcytometry workshop in RGCON. Annual conference of Rajiv Gandhi Cancer Hospital & Research Centre, 7<sup>th</sup> February 2020, New Delhi.

**Research Projects:****Ongoing:****As Principal Investigator**

1. Evaluation for paroxysmal nocturnal haemoglobinuria by Flowcytometry in clinically suspected cases in Western Rajasthan.

**As Co-Investigator**

1. Evaluation of frequency of regulatory T-cells in cases of oral squamous cell carcinoma
2. Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis.

**Completed:****As Co-Investigator**

1. Diagnostic efficacy of digital hemoglobinometer (TrueHb), HemoCue and non-invasive devices for screening patients for anemia in the field settings (Multicentric study).

**Examinerships:**

1. Internal Examiner for 2<sup>nd</sup> professional M.B.B.S. Examination (Batch-2017). All India Institute of Medical Sciences, Jodhpur, December 2019.

**Membership/ Post in Journal or Society or Association :**

1. Member; British society of Haematology

**National/ International Conferences attended:**

1. 60<sup>th</sup> Annual Conference of the Indian Society of the Haematology & Blood Transfusion (ISHBT) – Haematocon 2019, New Delhi
2. HaemIcon 2019 –Annual academic session of Sri Lanka college of Haematologists, 17<sup>th</sup>-19<sup>th</sup> September 2019, Colombo, Sri Lanka.

**Any other information:**

1. ICMR-STC project entitled “Detection of paroxysmal nocturnal haemoglobinuria clones in cases of deep vein thrombosis in a tertiary care hospital, western Rajasthan” and the report has been approved.
2. Organizing Secretary, Third Haematology Update (Theme: Inclusive Haematology) at All India Institute of Medical Sciences, Jodhpur, 28<sup>th</sup> July 2019.

**Name of Faculty: Dr. Aasma Nalwa**

**Designation: Associate Professor**

**Papers Presented:****Presented:**

1. Aasma Nalwa, H K Singh, Volker Nickeleit , Donna Michel. An unusual manifestation of Monoclonal gammopathy. 14<sup>th</sup> Annual Conference & International CME of Indian Society of Renal & Transplantation Pathology (ISRTP). 11<sup>th</sup> -13<sup>th</sup> October 2019. SGPGI, Lucknow.

2. Aasma Nalwa, Sanjeet Roy, Piotr A Mieczkowski, Carol Weida, Jeffrey Huo, Philip Roehrs, Darci Grochowski, H K Singh, Volker Nickenleit. Polyoma Virus Nephropathy with Systemic Viral Spread: Whole Genome Sequencing Data from a Fatal Case of BKPyV Infection. American Society of Nephrology, Kidney Week 2019; 5<sup>th</sup> -10<sup>th</sup> November 2019, Washington, DC
3. Aasma Nalwa, Vikarn Vishwajeet, Aliza Mittal, Nitin Bajpai, Poonam Elhence. Morphological spectrum of Lupus Nephritis in an upcoming tertiary care center in Rajasthan. International Update on Renal & Transplantation Pathology (IURP 2020); 14<sup>th</sup>-16<sup>th</sup> February 2020, Dr. Lal Path Labs, New Delhi

#### **Sessions Chaired:**

1. Tumor Board- Cancer Endometrium, RAJAGOICON-2020 (1 st Rajasthan state chapter conference of Association of Gynecologic Oncologists of India); 22<sup>nd</sup> - 23<sup>rd</sup> February 2020, All India institute of medical sciences, Jodhpur
2. Tumor Board- Gestational trophoblastic neoplasia, RAJAGOICON-2020 (1 st Rajasthan state chapter conference of Association of Gynecologic Oncologists of India); 22<sup>nd</sup> - 23<sup>rd</sup> February 2020, All India institute of medical sciences, Jodhpur

#### **Invited Lectures**

1. Renal Biopsy: Clinical Correlation Session. American Society of Nephrology, Kidney Week 2019; 5<sup>th</sup> -10<sup>th</sup> November 2019, Washington, DC

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator:**

1. The dynamics of Breast cancer stem cells and miR221-3p, miR133a-3p, and miR9-5p expression correlates with the clinical and pathological outcomes in Breast Cancer patients undergoing neoadjuvant or palliative systemic chemotherapy (Intramural)

##### **Completed:**

##### **As Principal Investigator:**

1. Co-chaperone BAG-3 expression in Uterine and Epithelial ovarian carcinomas (Intramural)

##### **As Co-Investigator:**

1. Role of Cervical Cancer Biomarkers in triaging abnormal cervical cytology smear

#### **Membership/Post in Journal or Society or Association :**

1. Life Member; Indian Society of Renal & Transplantation Pathology
2. Annual Member; Renal Pathology Society

#### **National/ International Conferences attended:**

1. Molecular Surgical Pathology, Hematopathology and Cytopathology: No Longer Esoteric. William and Ida Friday Center organized by Carolinas Healthcare System/Charlotte Area Health Education Center (International), 27<sup>th</sup> April 2019.

2. 14<sup>th</sup> Annual Conference & International CME of Indian Society of Renal & Transplantation Pathology (ISRTP). SGPGI, Lucknow (National and International CME), 11<sup>th</sup> -13<sup>th</sup> October 2019.
3. American Society of Nephrology, Kidney Week 2019. Washington, DC, 5<sup>th</sup> -10<sup>th</sup> November 2019
4. International Update on Renal & Transplantation Pathology (IURP 2020), Dr. Lal Path Labs, New Delhi, 14<sup>th</sup> -16<sup>th</sup> February 2020.

**Name of Faculty: Dr. Sudeep Khara**

**Designation: Assistant Professor**

**Papers Presented:**

1. Abdominal lump with intestinal involvement simulating as a gastrointestinal stromal tumour, AAPUD 2019- Update in GIT and Pancreas Pathology; 12<sup>th</sup>-14<sup>th</sup> July 2019, Kochi, India
2. Pilomatrixoma of scalp developing in a background of atypical Pilomatrixoma: A rare entity, International Update in Head and Neck Pathology; 17<sup>th</sup> -19<sup>th</sup> January 2020, Kolkata, India

**Research Project:**

**Ongoing Project:**

**As Principal Investigator**

1. Diagnostic utility of various IHC markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic epithelial ovarian carcinoma, Intramural project, AIIMS, Jodhpur

**As Co-Investigator**

1. Exploring the role of Immunohistochemistry in estimation of wound age, Intramural project, AIIMS, Jodhpur
2. Evaluation of histological changes in Skin, Skeletal Muscle, Lung, Liver & Kidney to determine Post-Mortem Interval, Non funded Intramural project, AIIMS, Jodhpur

**Completed:**

**As Co-Investigator**

1. Histopathology of ligature mark in hanging, Non funded Intramural project, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. International Update in Head and Neck Pathology , Kolkata, 17<sup>th</sup> -19<sup>th</sup> Jan 2020
2. Update in GIT and Pancreas Pathology, Kochi, 12<sup>th</sup> -14<sup>th</sup> July 2019
3. CME on Neuro-Oncopathology: basic histology to current molecular understanding, TMH Mumbai, 11<sup>th</sup> - 13<sup>th</sup> October 2019

**Name of Faculty: Dr. Deepak vedant**

**Designation: Assistant professor**

**Papers Presented:**

1. Vedant D, Sharma R, Sharma K, Dharamsaktu D, Bains A, Elhence P. Papular Acantholytic Dermatitis- A Histopathological Mimicker of Darriers Disease” 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM); 04<sup>th</sup> Dec – 07<sup>th</sup> Dec 2019, PGIMER Chandigarh



2. Vedant D, Saha S, Chaudhary N, Elhence P. Past, present and FISHing in Future", 8th Annual Conference of Molecular Pathology Association of India, MPAICON 2020; 10<sup>th</sup> – 12<sup>th</sup> January 2020 Sri Ram Cancer Center, Mahatma Gandhi Medical College & Hospital, Sitapura, Jaipur.

**Membership/Post in Journal or Society or Association ::**

1. Life Member; Molecular Pathology Association of India
2. Life Member; International Academy of Pathology - Indian Division
3. Life Member; Indian Society of Haematology and Blood Transfusion (ISHBT)
4. Life Member; The Cytometry Society-India
5. Life Member; Indian Immunology Society
6. Ordinary Member; Indian Association of Pathologists and Microbiologists.
7. Affiliate Member; United States and Canadian Academy of Pathology.
8. Affiliate Member; The Royal College of Pathologists
9. Affiliate Member; Association for Molecular Pathology

**National/ International Conferences attended:**

1. 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM), PGIMER Chandigarh, 04<sup>th</sup> – 07<sup>th</sup> Dec 2019.
2. 8th Annual Conference of Molecular Pathology Association of India, MPAICON 2020, Sri Ram Cancer Center, Mahatma Gandhi Medical College & Hospital, Sitapura, Jaipur, 10<sup>th</sup> – 12<sup>th</sup> January 2020
3. Hands-on Workshop on Interphase. FISH CMC Vellore, February 2020.

**Name of Faculty: Dr. Vikarn Vishwajeet**

**Designation: Assistant Professor**

**Papers Presented:**

1. Vishwajeet V. Bullous lesions in Patients With cutaneous Lupus Erythematosus: A Clinico-pathological Study. First Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India 2019; 16<sup>th</sup> November 2019, New Delhi.

**Research Project:**

**Ongoing:**

**As Co-Investigator:**

1. Histopathology of neck muscle and thyroid gland in hanging Non funded Intramural project, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. 68th Annual National Conference of Indian Association of Pathologists and Microbiologists (IAPM), PGIMER Chandigarh, 4<sup>th</sup> – 7<sup>th</sup> Dec 2019
2. International Update on Renal & Transplantation Pathology (IURP 2020), Dr. Lal Path Labs, New Delhi, 14<sup>th</sup> -16<sup>th</sup> February 2020.
3. First Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India 2019, New Delhi, 15<sup>th</sup> -17<sup>th</sup> November 2019.

**Workshops/ Conferences Organized**

1. 1.Third Haematology Update. Department of Pathology, 28<sup>th</sup> July 2019, AIIMS Jodhpur

2. International Society of Blood Transfusion Academy Event on Patient Blood Management. AIIMS, Jodhpur, 29<sup>th</sup> - 30<sup>th</sup> November 2019

**Eminent Visitors:**

1. Dr. Arvind Rajwanshi, Professor and HOD, Department of Pathology, PGIMER, Chandigarh.

## Department of Pediatric Surgery

S.No.	Name	Designation
1	Dr. Arvind Sinha	Professor and Head
2	Dr. Manish Pathak	Additional Professor
3	Dr. Kirti Kumar Rathod	Associate Professor
4	Dr. Avinash S Jadhav	Associate Professor
5	Dr. Rahul Saxena	Associate Professor

### About The Department:

Along with the exponential growth of AIIMS, Jodhpur the Department of Pediatric Surgery has also come up in distinguished manner in areas of teaching, research and patient care. We have catered OPD services to around 7000 patients, IPD to 1200, and operated 1100 patients in 2019-20.

The department has procured three neonatal ventilators, which have been installed in Pediatric Surgery nursery and helping us to manage sick neonates. The department has emerged as referral center for the children with solid tumors. This year the department has treated around 40 tumor patients with chemotherapy and surgery.

Prof. Arvind Sinha started Robotic Surgeries in pediatric population, which is again a benchmark in patient care. The center is the only one in state, which is providing pediatric robotic surgery facility. He was elected Executive Committee member – North zone, for Indian Association of Pediatric Surgeons (IAPS).

The department has always been at forefront in undergraduate teaching and is regularly conducting lectures, PBL and UNCLE. The UG students are also being posted, in clinics of the department. Two new M.Ch residents have joined the department in this year and undergoing an accomplished training with regular and structured teaching schedule which includes seminars, journal club, case discussion and treatment planning through-out the week. This year we have started two new research projects in different arena and a total of six M.Ch dissertation are progressing successfully. Two M.Ch Thesis has been successfully completed and submitted this year. The residents, under supervision of faculty members, presented 27 academic papers as oral papers, posters and video presentation in various international and national presentations. Dr. Biangchawadaka Suchiang received 2<sup>nd</sup> prize in oral paper category in IAPSCON 2019. Dr. Ayushi won Karl storz video award, 1<sup>st</sup> prize in video session and 1<sup>st</sup> prize in oral paper presentation at PESICON 2020. Dr. Tanmay won 1<sup>st</sup> prize in Urology posters and 2<sup>nd</sup> prize in GI oral paper presentation at PESICON 2020. Two of residents (Dr. Jayakumar and Dr Ayushi Vig) received travel grant for international conference, 6th World Congress of the World Federation of Associations of Pediatric Surgery (WOFAPS 2019) at Doha, Qatar, on the merit of their academic papers. Dr Subhalaxmi Nayak, Senior resident in the department was awarded the prestigious travelling fellowships of British Association of Pediatric Surgeons (BAPS-PESI) fellowship).

The faculty of department is also actively involved in academic activities. This year department has published 13 research articles and 9 were in indexed journals, presented 30 research papers in various national and international conferences, chaired 15 sessions in various conferences, delivered 7 invited lectures, got copyright, received fellowship in minimal invasive surgery and published chapter in text book.

Dr. Manish Pathak conferred the prestigious MAMS, Member of Academy of Medical Sciences. He has been invited to write chapters in various pediatric surgery books. He delivered a lecture on “Role of technology in data transformation” and participated as a panelist in a national level academic meet of librarians. He was also invited to deliver a lecture in national conference of oncology section of IAPS. His paper on innovative technique of laparoscopic inguinal exploration got the best paper award in a national conference and was also selected for a video presentation in an international conference. His 3 scientific papers got awarded in various national level academic meetings. He is also member of an expert group constituted by MOHFW to draft the Standard Treatment Workflows for common pediatric surgical conditions. Dr. Rahul Saxena conferred the prestigious MAMS, Members of Academy of Medical Sciences and elected as Executive

Committee member – West Zone of society of Pediatric Endoscopic Surgeons of India (PESI). Dr. Kirtikumar J Rathod was author of standard treatment guidelines for “Pediatric Choledochal cyst” and “Hypertrophic pyloric stenosis” for Indian Association of Pediatric Surgeons. He was selected for the “Masters in Global Child Health” MSc Program at St Jude Children’s Hospital USA with full scholarship. He was also elected as Secretary Cum Treasurer Paediatric Endoscopic Society of India (PESI). He represented India as member and Paediatric surgery representative of Global Initiative for Children Surgery. He is also an Executive Committee Member of Society of Paediatric Urology India SPU-IAPS. He has also received a very prestigious Karl Storz Best Surgical Video award for “Thoracoscopic Repair of an extremely rare variant of esophageal atresia with Tracheoesophageal fistula” at 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020. Moreover, his three other scientific papers got awarded as best papers in various academic meetings.

### Compiled list of Publications of the department

#### Papers

##### Pubmed Indexed

1. Saxena R, Pathak M, Shukla R, Sinha A, Elhence P, Bharti JN, Khera P. Bronchial Carcinoid tumour as a rare cause of Cushing’s syndrome in children – A case report and review of literature. *J Clin Res Pediatr Endocrinol*. 2020 Jan 3. doi: 10.4274/jcrpe.galenos.2019.2019.0156. [Epub ahead of print]
2. Saxena R, Suchiang B, Pathak M, Sinha A. Refractory congenital chylous ascites: Role of fibrin glue in its management. *J Indian Assoc Pediatr Surg* 2019; 25 (4): 245-7. DOI: 10.4103/jiaps.JIAPS\_123\_19
3. Sharma A, Saxena R, Sinha A, Singh S, Yadav T. Disseminated Gastrointestinal Basidiobolomycosis (GIB) in an infant from Western India. *Medical Mycology Case Reports* 2019;26: 38-41. doi.org/10.1016/j.mmcr.2019.10.001
4. Sinha A, Pathak M, Vig A, Saxena R. "Robotic Surgery in Pediatric Patients: Our Initial Experience and Roadmap for Successful Implementation of Robotic Surgery Program. *J Minim Access Surg*. 2019 Oct 31. doi: 10.4103/jmas.JMAS\_174\_19. [Epub ahead of print]
5. Saxena R, Pathak M, Sinha A. Caecal duplication cyst: A rare disease with variable presentation and its management in the era of laparoscopy. *J Minim Access Surg*. 2020;16: 71–3.
6. Rathod KJ, Sikchi R, Vig A, Jadhav A, Saxena R, Pathak M, Sinha A. Laparoscopic Inguinal Hernia Repair in Children to cut or not to cut is the question. Accepted in *Journal of Indian Associations of Paediatric Surgeons*.
7. Jayakumar T K, Khera D, Manchanda V, Rathod KJ. Management of Gorham–Stout disease presenting as intractable pleural effusion in an adolescent: A case report and review of literature. *Oncol J India* 2019;3:62-5
8. Paliwal B, Bhatia P, Rathod KJ, Kumar R. Ultrasound neuraxial block: A simple answer to rare situation. *Paediatr Anaesth*. 2019;29(8):882-3. doi:10.1111/pan.13679
9. Jayakumar TK, Rathod KJ, Pathak M. Thoracic versus abdominal approach to correct diaphragmatic eventration in children. *J Pediatr Surg*. 2020 Apr 25:S0022-3468(20)30271-2. doi: 10.1016/j.jpedsurg.2020.02.058. Epub ahead of print. PMID: 32381289.

##### Non-Pubmed Indexed:

1. Pathak M, Suchiang B, Saxena R. et al. Laparoscopic inguinal exploration for impalpable undescended testis: can we avoid the open inguinal exploration altogether?. *J Ped Endosc Surg* 2019;1: 167–170
2. Saxena R, Vig A, Pathak M, Sinha A. Duodenal Foreign Body: Deceptive Imaging and Resourceful Management by Laparoscopic Gastro-Duodenoscopy. *APSP J Case Rep* 2019; 10:5
3. Pathak M, Saxena R, Sinha A et al. Laparoscopic pyloromyotomy: learning curve journey and modification of the technique. *J Ped Endosc Surg* 2019;1:123-126
4. Vig A, Rathod KJ, Jadhav A et al. Review of laparoscopic median sacral artery ligation in sacrococcygeal teratoma. *J Ped Endosc Surg* 2019;1:75-8.

**Eminent Visitors:**

1. Prof Ashish Wakhlu, Professor, Department of Pediatric Surgery, King George Medical University, Lucknow
2. Prof Y.K Sarin, Professor and Head, Department of Pediatric Surgery, Maulana Azad Medical College, New Delhi
3. Prof Bindey Kumar, Professor and Head, Department of Pediatric Surgery, All India Institute of Medical Sciences, Patna

**Name of Faculty: Prof Arvind Sinha**

**Designation: Professor and Head**

**Books/Chapters**

1. Arvind Sinha and Rahul Saxena. Choledochal cysts. In: Contemporary Surgery, Abraham SJ (editor), 1<sup>st</sup> edition, Bangalore, Micro labs limited 2019:113-28

**Papers Presented:**

1. Pathak M, Suchiang B, Saxena R, Rathod KK, Sinha A. Impalpable Undescended testis: Can we avoid the open inguinal exploration altogether? BAPES; 6<sup>th</sup> -8<sup>th</sup> November 2019, The Crowne Plaza, Leeds, UK.
2. Omental flap repair for oesophageal perforation during laparoscopic cardiomyotomy for paediatric achalasia cardia. The 19<sup>th</sup> Annual Meeting of the British Association of Paediatric Endoscopic Surgeons, 6<sup>th</sup> -8<sup>th</sup> November 2019, The Crown Plaza Leeds, U.K
3. Jadhav A, Rathod KK, Suchiang B, Jayakumar TK, Garg P, Sinha A. Laparoscopic duodenojejunostomy & gastric fundus perforation repair for superior mesenteric artery syndrome. The 19<sup>th</sup> Annual Meeting of the British Association of Paediatric Endoscopic Surgeons, 6-8<sup>th</sup> November 2019, The Crown Plaza Leeds, UK
4. TK Jaykumar, Rathod KK, Sinha A, Pathak M, Jadhav A, Saxena R. Impact of standardized VACTERL screening for associated anomalies in anorectal malformation and esophageal atresia/ trachea-esophageal fistula cases in a newly established tertiary health centre. WOFAPS; 1<sup>st</sup> – 3<sup>rd</sup> November 2019, Doha, National Convention Center, Qatar.
5. Vig A, Rathod KK, Jadhav A, Pathak M, Saxena R, Sinha A. Role of preoperative laboratory markers in predicting perforated appendicitis. . WOFAPS; 1<sup>st</sup> – 3<sup>rd</sup> November 2019, Qatar National Convention Center, Qatar.
6. Pathak M, Suchiang B, Saxena R, Rathod KK, Sinha A. Testicular remnant “ nubbin” and its histopathological correlation. Is excision absolutely necessary? NAMSCON; 11<sup>th</sup> -13<sup>th</sup> October 2019, AIIMS Bhopal.
7. Motiwala T, Pathak M, Saxena R, Sinha A. Our technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in pediatric patients: Retrospective analysis. PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
8. Motiwala M, Pathak M, Garg P, Saxena R, Sinha A. Laparoscopic splenectomy after preoperative embolization of splenic artery. PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
9. Vig A, Pathak M, Saxena R, Sinha A. Laparoscopic choledochal cyst excision and hepatic jejunostomy. . PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
10. Ayushi Vig, Kirtikumar J Rathod, Rakesh Kumar, Neeraj Gupta, Arvind Sinha. Thoracoscopic Repair of an extremely rare variant of esophageal atresia with Tracheoesophageal fistula. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra. Received Karl Storz Best Video award
11. Rupesh Suresh Sikchi, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic repair of left paraduodenal hernia in a child. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra.

12. Ayushi Vig, Kirtikumar Rathod, Avinash Jadhav, Neeraj Gupta, Arvind Sinha. Laparoscopic duodeno-jejunosotomy for a large annular pancreas causing duodenal obstruction in a neonate. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra Received the best paper in award in free videos session
13. Rupesh Suresh Sikchi, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic ligation with extracorporeal tapering ureteroplasty and laparoscopic ureteroneocystostomy in a child with congenital ectopic megaureter with urinary incontinence. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
14. Tanmay Motiwala, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Challenges in minimally invasive choledochal cyst surgery. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra. 2<sup>nd</sup> Best Paper in GIT session
15. Ayushi Vig, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic correction of malrotation with midgut volvulus with left paraduodenal hernia. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
16. Rupesh Suresh Sikchi, Jayakumar TK, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic resection of stage 3 Urinary bladder Rhabdomyosarcoma in a child. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb-1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
17. Ayushi Vig, Kirtikumar J Rathod, Manoj Kamal, Arvind Sinha. Laparoscopic Median Sacral Artery Ligation for Sacrococcygeal teratoma. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra Best Paper award Oncology Session
18. Revathy Menon, TK Jayakumar, Kirtikumar J Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Laparoscopic vesicolithotomy can replace open procedure for bladder calculus surgery in child. Our institutional experience. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
19. Tanmay Motiwala, Dr. Kirtikumar J Rathod, Dr. Avinash Jadhav, Dr. Arvind Sinha. Laparoscopic excision of giant bladder diverticulum with ureteroneocystostomy and extravesical reimplantation. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020 28 Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra.
20. Shreyas K, Saxena R, Pathak M, Sinha A. A rare case of co-existent PUJO and VUJO and our experience in diagnosis and management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
21. Shreyas K., Saxena R, Pathak M, Sinha A. Rare case of exstrophy bladder with multiple calculi in urinary system and our experience in its management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
22. Menon R, Rathod KK, Jadhav A, Pathak M, Saxena R, Sinha A. Laparoscopic vesicolitotomy can replace open procedure for bladder calculus surgery in children: Our institutional experience. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
23. Jayakumar TK, Kirtikumar Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Impact of standardised vacterl screening for associated anomalies in anorectal malformation and esophageal atresia/tracheoesophageal fistula cases in a newly established tertiary health centre. SPUCON 2019 7<sup>th</sup> Annual Pediatric Urology Conference & Live Workshop of SPU-IAPS; 14<sup>th</sup> -16<sup>th</sup> June 2019, Hotel Avasa, Hyderabad, Telangana.
24. Rahul Saxena, Manish Pathak, Arvind Sinha, Mahaveer S Rodha, Biangchawadka Suchiang Conjoined Thoracopagus twins- Our experience and review of literature for outcome of surgical separation. UC Chakraborty Award Session, 11:30-12:45PM, 2<sup>nd</sup> Nov 2019, IAPSCON 2019. 45<sup>th</sup> Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct – 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
25. Biangchawadaka Suchiang, Rahul Saxena, Manish Pathak, Arvind Sinha. Congenital chylous ascites: Managed with fibrin glue after failure of conservative management. E-Poster, 2:00-3:00 PM, IAPSCON 2019. 45<sup>th</sup> Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct – 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi

26. Shreya Krishnamurthy, Rahul Saxena, Manish Pathak, Arvind Sinha. Acquired tracheo-esophageal fistula in children: our clinical experience in diagnosis and management. IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS) 30<sup>th</sup> October- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
27. Rahul Saxena, TK Jayakumar, Manish Pathak, Arvind Sinha. A case of single perineal opening with cecovesical fistula- new variant of cloaca. E-poster 4:00 -5:00 PM, 1<sup>st</sup> November, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct – 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
28. Rahul Saxena, Manish Pathak, Shreyas Krishnamurthy, Arvind Sinha. A case of Infantile Abdominal Mass- First Indian report of Pediatric gastrointestinal Basidiobolomycosis. E-Poster, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi.
29. Arvind Sinha, Rahul Saxena, Manish Pathak, Ayushi Vig. Robotic Surgery In Pediatrics- Our Initial Experience And Modifications For Children. Free paper. 1<sup>st</sup> November 2:00-3:00 PM, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS) 30<sup>th</sup> Oct – 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi.
30. Suchiang B, Pathak M, Saxena R, Rathod KK, Sinha A. Impalpable Undescended testis: Can we avoid the open inguinal exploration altogether? IAPSCON; 1<sup>st</sup> -3<sup>rd</sup> November 2019, AIIMS New Delhi.

#### **Sessions Chaired:**

1. Invited to Chair the session. 15<sup>th</sup> Pediatric Endoscopic Surgeons Conference (PESICON 2020); 28<sup>th</sup> Feb - 2<sup>nd</sup> Mar. 2020, Pune, Maharashtra

#### **Invited Lectures:**

1. Guest lecture on “Congenital Diaphragmatic Hernia”. XVI NEIAPSON 2019; 26<sup>th</sup> - 29<sup>th</sup> Apr 2019, Shillong.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator:**

1. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias
2. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
3. Role of preoperative splenectomy artery embolization before splenectomy in children.
4. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias.
5. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis
6. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation

#### **Membership/Post in Journal or Society or Association :**

1. Executive Committee member; North zone, Indian Association of Pediatric Surgeons (IAPS).

#### **National/ International Conferences attended:**

1. XVI NEIAPSON 2019, Shillong, 26<sup>th</sup> Apr - 29<sup>th</sup> Apr. 2019.
2. 7<sup>th</sup> Annual Pediatric Urology Conference & Live Workshop of SPU-IAPS, Hotel Avasa, Hyderabad, Telangana, 14<sup>th</sup> - 16<sup>th</sup> June 2019.
3. 50<sup>th</sup> Annual Meeting of Canadian Association of Pediatric Surgeons, Quebec City, Canada, 17<sup>th</sup> - 23<sup>rd</sup> Sept. 2019
4. Srilanka Surgical Congress 2019, Galle, Srilanka, 21<sup>st</sup> - 25<sup>th</sup> Aug. 2019.
5. Association of surgeons of India, ASICON, Bhubaneswar, 17<sup>th</sup> - 21<sup>st</sup> Dec 2019.

6. 15<sup>th</sup> Pediatric Endoscopic Surgeons Conference (PESICON 2020), Pune, Maharashtra, 28<sup>th</sup> Feb. 2020 - 2<sup>nd</sup> Mar. 2020

**Name of Faculty: Dr. Manish Pathak**

**Designation: Additional Professor**

**Papers Presented:**

1. Pathak M, Suchiang B, Saxena R, Rathod KK, Sinha A. Impalpable Undescended testis: Can we avoid the open inguinal exploration altogether? BAPES; 6<sup>th</sup> -8<sup>th</sup> November 2019, The Crowne Plaza, Leeds
2. Pathak M, Suchiang B, Saxena R, Rathod KK, Sinha A. Testicular remnant “nubbin” and its histopathological correlation. Is excision absolutely necessary? NAMSCON; 11<sup>th</sup> -13<sup>th</sup> October 2019, AIIMS Bhopal
3. Suchiang B, Pathak M, Saxena R, Rathod KK, Sinha A. Impalpable Undescended testis: Can we avoid the open inguinal exploration altogether? IAPSCON; 1<sup>st</sup> -3<sup>rd</sup> November 2019, AIIMS Delhi
4. Suchiang B, Saxena R, Pathak M, Sinha A. Congenital chylous ascites : Managed with fibrin glue after failure of conservative management. IAPSCON; 1<sup>st</sup> -3<sup>rd</sup> November 2019, AIIMS Delhi
5. TK Jaykumar, Rathod KK, Sinha A, Pathak M, Jadhav A, Saxena R. Impact of standardized VACTERL screening for associated anomalies in anorectal malformation and esophageal atresia/ trachea-esophageal fistula cases in a newly established tertiary health centre. WOFAPS; 1<sup>st</sup> – 3<sup>rd</sup> November 2019, Doha, National Convention Center, Qatar
6. TK Jaykumar, Rathod KK, Sinha A, Manchanda V, Pathak M, Jadhav A, Saxena R. Analysing incidence and clinical impact of genitourinary anomalies in anorectal malformations and esophageal atresia/tracheoesophageal fistula by VACTERL screening: An institutional experience. SPUCON ; 14<sup>th</sup>-16<sup>th</sup> January 2019, Ankura Hospital, Hyderabad
7. Motiwala T, Pathak M, Saxena R, Sinha A. Our technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in pediatric patients: Retrospective analysis. PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune
8. Motiwala M, Pathak M, Garg P, Saxena R, Sinha A. Laparoscopic splenectomy after preoperative embolization of splenic artery. PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune
9. Vig A, Rathod KK, Jadhav A, Pathak M, Saxena R, Sinha A. Role of preoperative laboratory markers in predicting perforated appendicitis. . WOFAPS; 1<sup>st</sup> – 3<sup>rd</sup> November 2019, Qatar National C. PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune onvention Center, Qatar
10. Vig A, Pathak M, Saxena R, Sinha A. Laparoscopic choledochal cyst excision and hepatic jejunostomy. . PESICON; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune
11. Shreyas K., Saxena R, Pathak M, Sinha A. Acquired trachea-esophageal fistula in children: Our clinical experience in diagnosis and management. IAPSCON; 1<sup>st</sup> -3<sup>rd</sup> November 2019, AIIMS Delhi.
12. Shreyas K., Saxena R, Pathak M, Sinha A. A rare case of co-existent PUJO and VUJO and our experience in diagnosis and management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
13. Shreyas K., Saxena R, Pathak M, Sinha A. Rare case of exstrophy bladder with multiple calculi in urinary system and our experience in its management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
14. Menon R., Rathod KK, Jadhav A, Pathak M, Saxena R, Sinha A. Laparoscopic vesicolitotomy can replace open procedure for bladder calculus surgery in children: Our institutional experience. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa

**Sessions Chaired:**

1. Augmentataion cystoplasty. Exstrophy-Epispadias Live Operative Workshop; 4<sup>th</sup> -6<sup>th</sup> April 2019, JIPMER, Pondicherry



2. Physical poster session. 45<sup>th</sup> Annual Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019); 1<sup>st</sup>-3<sup>rd</sup> November 2019, AIIMS Delhi, Delhi
3. Oral e- poster session. 45<sup>th</sup> Annual Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019); 1<sup>st</sup>-3<sup>rd</sup> November 2019, AIIMS Delhi, Delhi

#### **Invited Lectures**

1. Dynamic strategies for best operative outcomes in liver tumors. National Conference of Surgical Oncology Section of Indian Association of Pediatric Surgeons(SOSCON 2019); 21<sup>st</sup> -22<sup>nd</sup> December 2019, Taj Lands End, Mumbai

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias

##### **As Co-Investigator**

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.
2. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation
3. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias
4. Laparoscopic inguinal hernia repair: comparison of two techniques

#### **Scientific Awards/Patents**

##### **Awards:**

1. Best paper award. Impalpable undescended testis: Can we avoid the open inguinal exploration altogether? 45<sup>th</sup> Annual Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019); 3<sup>rd</sup> November 2019, AIIMS Delhi
2. Most popular physical poster award. Testicular remnant "nubbin" and its histopathology correlation: Is excision absolutely necessary?; 45<sup>th</sup> Annual Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019); 3<sup>rd</sup> November 2019, AIIMS Delhi
3. Best poster award. Novel technique of DJ stent insertion in laparoscopic pyeloplasty; 15<sup>th</sup> Pediatric Endoscopic Surgeons of India National Conference (PESICON 2020); 1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune

#### **Membership/Post in Journal or Society or Association :**

1. MAMS. Member of Academy of Medical Sciences, NAMS, New Delhi on 12<sup>th</sup> October 2019 at NAMSCON 2019. 59<sup>th</sup> Annual Conference of National Academy of Medical Sciences. 11<sup>th</sup>-13<sup>th</sup> October 2019, All India Institute of medical Sciences, Bhopal.

#### **National/ International Conferences attended:**

1. Exstrophy-Epispadias Live Operative Workshop. JIPMER, Pondicherry, 4<sup>th</sup> -6<sup>th</sup> April 2019.
2. 5<sup>th</sup> Advanced Laparoscopic Surgery workshop. Nazareth Hospital, Shillong, 31<sup>st</sup> July- 2<sup>nd</sup> August 2019
3. 59<sup>th</sup> Annual Conference of National Academy of Medical Sciences (India) (NAMSCON 2019). AIIMS Bhopal, 11<sup>th</sup> -13<sup>th</sup> October 2019
4. 45<sup>th</sup> Annual Conference of Indian Association of Pediatric Surgeons (IAPSCON 2019). 1<sup>st</sup> -3<sup>rd</sup> November, 2019, AIIMS Delhi, Delhi The 19<sup>th</sup> British Association of Pediatric Endoscopic Surgeons Annual Scientific Meeting (BAPES 2019) 6<sup>th</sup>-8<sup>th</sup> November, 2019
5. Annual Conference of Surgical Oncology Section of IAPS (SOSCON 2019), Taj Lands End, Mumbai, 21<sup>st</sup> -22<sup>nd</sup> December 2019

**Name of Faculty: Dr. Kirtikumar J Rathod**

**Designation: Associate Professor**

### **Textbook Chapters**

1. Avinash Jadhav, Kirtikumar J Rathod. "Minimally Invasive Surgery for Wilms Tumor". Textbook of Wilms Tumor. Yogesh Sarin Editor (In Editorial review).
2. Arvind Sinha, Manish Pathak, Kirtikumar Rathod. "Laparoscopic Nephrectomy". Textbook of Minimally Invasive Pediatric Surgery. Rasik Shah, Prakash Agarwal, Ravi Ramadwar (Editors) In Editorial review.

### **Papers Presented:**

1. Ayushi Vig, Kirtikumar J Rathod, Rakesh Kumar, Neerag Gupta, Arvind Sinha. Thoracoscopic Repair of an extremely rare variant of esophageal atresia with Tracheoesophageal fistula. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra. Received Karl Storz Best Video award
2. Rupesh Suresh Sikchi, Dr Kirtikumar Rathod, Dr Avinash Jadhav, Dr Arvind Sinha Laparoscopic repair of left paraduodenal hernia in a child. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb 2020 - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra.
3. Ayushi Vig, Kirtikumar Rathod, Avinash Jadhav, Neeraj Gupta, Arvind Sinha. Laparoscopic duodeno-jejunoscopy for a large annular pancreas causing duodenal obstruction in a neonate. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra Received the best paper in award in free videos session
4. Rupesh Suresh Sikchi, Dr Kirtikumar Rathod, Dr AvinashJadhav, Dr Arvind Sinha. Laparoscopic ligation with extracorporeal tapering ureteroplasty and laparoscopic ureteroneocystostomy in a child with congenital ectopic megaureter with urinary incontinence. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb -1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
5. Tanmay Motiwala, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Challenges in minimally invasive choledochal cyst surgery. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb -1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra. 2<sup>nd</sup> Best Paper in GIT session
6. Ayushi Vig, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic correction of malrotation with midgut volvulus with left paraduodenal hernia. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb -1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
7. Dr. Rupesh Suresh Sikchi, Dr.Jayakumar TK, Dr.Kirtikumar Rathod, Dr.Avinash Jadhav, Dr.Arvind Sinha. Laparoscopic resection of stage 3 Urinary bladder Rhabdomyosarcoma in a child. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
8. Ayushi Vig, Kirtikumar J Rathod, Manoj Kamal, Arvind Sinha. Laparoscopic Median Sacral Artery Ligation for Sacrococcygeal teratoma. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020, Grand Sheraton, Pune Maharashtra Best Paper award Oncology Session
9. Revathy Menon, TK Jayakumar, Kirtikumar J Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Laparoscopic vesicolithotomy can replace open procedure for bladder calculus surgery in children: Our institutional experience. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020, Grand Sheraton, Pune Maharashtra
10. Tanmay Motiwala, Dr. Kirtikumar J Rathod, Dr. Avinash Jadhav, Dr. Arvind Sinha. Laparoscopic excision of giant bladder diverticulum with ureteroneocystostomy and extravesical reimplantation. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020, 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020, Grand Sheraton, Pune, Maharashtra.

11. Jayakumar T.K., Kirtikumar Rathod. Impact of standardised vacterl screening for associated anomalies in anorectal malformation and esophageal atresia/tracheoesophageal fistula cases in a newly established tertiary health centre. 6<sup>th</sup> World Congress of World Federation of Association of Paediatric Surgeons. WOFPAS; 1<sup>st</sup> -3<sup>rd</sup> November 2019, Qatar National Convention Centre, Doha, Qatar.
12. Kirtikumar Rathod. Jayakumar TK, Bala Eradi, Arvind Sinha. Expedited feeding regimen after restoring bowel continuity in children. 6<sup>th</sup> World Congress of World Federation of Association of Paediatric Surgeons. WOFPAS; 1<sup>st</sup> -3<sup>rd</sup> November 2019, Qatar National Convention Centre, Doha, Qatar.
13. Ayushi Vig, Kirtikumar Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Role of preoperative investigations to predict perforated peritonitis in children. 6<sup>th</sup> World Congress of World Federation of Association of Paediatric Surgeons. WOFPAS; 1<sup>st</sup> -3<sup>rd</sup> November 2019, Qatar National Convention Centre, Doha, Qatar.
14. Jayakumar TK, Kirtikumar Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Impact of standardised vacterl screening for associated anomalies in anorectal malformation and esophageal atresia/tracheoesophageal fistula cases in a newly established tertiary health centre. SPUCON 2019. 7th Annual Pediatric Urology Conference & Live Workshop of SPU-IAPS; 14<sup>th</sup> – 16<sup>th</sup> June 2019, Hotel Avasa, Hyderabad, Telangana

### Sessions Chaired

1. PESI Oration 2020. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra

### Invited Lectures

1. “Minimally Invasive Pediatric Surgery for Beginners”. Faculty Lecture. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb -1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
2. “Surgical Competence”. 2<sup>nd</sup> National Pediatric Medical Education Conference; Oct 2019, AIIMS Jodhpur.

### Research Projects:

#### Ongoing:

#### As Principal Investigator

1. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
2. Role of preoperative splenectomy artery embolization before splenectomy in children.

#### As Co-Investigator

1. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias
2. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis

### Scientific Awards

1. Karl Storz Best Surgical Video award. For “Thoracoscopic Repair of an extremely rare variant of esophageal atresia with Tracheoesophageal fistula”. 5<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
2. Best Video award free video paper session. For paper entitled “Laparoscopic duodeno-jejunostomy for annular pancreas in a neonate”. 15<sup>th</sup> Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb -1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra
3. Best paper award Oncology Session. “Laparoscopic Median Sacral Ligation for Sacrococcygeal Teratoma” 15th Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb – 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra

4. 2<sup>nd</sup> Best paper award in GIT session. "Challenges in Laparoscopic Choledochal Cyst Surgery". 15th Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020; 28<sup>th</sup> Feb - 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra

### Memberships

1. Member; British Association of Paediatric Surgeons
2. Member; Global Initiative in Children Surgery headquarters Oxford UK
3. Secretary cum Treasurer; Pediatric Endoscopic Surgeons of India
4. Executive Committee Member; Society of Pediatric Urology India
5. Executive committee Member; Research Section IAPS

### National/ International Conferences attended:

1. Bladder Exstrophy Boot Camp. John Hopkins Children Baltimore USA. 7<sup>th</sup> -9<sup>th</sup> May 2019
2. 6th World Congress of World Federation of Association of Paediatric Surgeons. WOFPAS. 1<sup>st</sup> -3<sup>rd</sup> November 2019. Qatar National Convention Centre, Doha, Qatar. 3<sup>rd</sup> Annual Congress. Global Initiative for Childrens Surgery. Johannesburg South Africa. 17<sup>th</sup> -18<sup>th</sup> Jan 2020
3. 15th Annual Conference of Paediatric Endoscopic Society of India. PESICON 2020, 28<sup>th</sup> Feb 2020 to 1<sup>st</sup> March 2020. Grand Sheraton, Pune Maharashtra

**Name of Faculty: Dr Avinash S Jadhav**

**Designation: Associate Professor**

### Papers Presented:

1. Avinash Jadhav, Kirtikumar Rathod, Biangchwadka Suchiang, Arvind Sinha.
2. Omental flap repair for oesophageal perforation during laparoscopic cardiomyotomy for paediatric achalasia cardia. The 19<sup>th</sup> Annual Meeting of the British Association of Paediatric Endoscopic Surgeons; 6<sup>th</sup> -8<sup>th</sup> November 2019, The Crown Plaza Leeds, U.K
3. Avinash Jadhav, Kirtikumar Rathod, Biangchwadaka Suchiang, Jayakumar TK, Pawan Garg, Arvind Sinha. Laparoscopic Duodenojejunostomy & Gastric Fundus Perforation Repair For Superior Mesenteric Artery Syndrome. The 19<sup>th</sup> Annual Meeting of the British Association of Paediatric Endoscopic Surgeons; 6<sup>th</sup> -8<sup>th</sup> November 2019, The Crown Plaza Leeds, U.K
4. Rupesh Suresh Sikchi, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha Laparoscopic repair of left paraduodenal hernia in a child. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
5. Ayushi Vig, Kirtikumar Rathod, Avinash Jadhav, Neeraj Gupta, Arvind Sinha. Laparoscopic duodeno-jejunosotomy for a large annular pancreas causing duodenal obstruction in a neonate Received the best paper in award in free videos session. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
6. Rupesh Suresh Sikchi, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic ligation with extracorporeal tapering ureteroplasty and laparoscopic ureteroneocystostomy in a child with congenital ectopic megacyst with urinary incontinence. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
7. Tanmay Motiwala, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Challenges in minimally invasive choledochal cyst surgery. 2<sup>nd</sup> Best Paper in GIT session. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
8. Ayushi Vig, Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic correction of malrotation with midgut volvulus with left paraduodenal hernia. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
9. Rupesh Suresh Sikchi, Jayakumar TK, Kirtikumar Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic resection of stage 3 Urinary bladder Rhabdomyosarcoma in a child. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.

10. Revathy Menon, TK Jayakumar, Kirtikumar J Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Laparoscopic vesicolithotomy can replace open procedure for bladder calculus surgery in children: Our institutional experience. PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
11. Tanmay Motiwala , Kirtikumar J Rathod, Avinash Jadhav, Arvind Sinha. Laparoscopic excision of giant bladder diverticulum with ureteroneocystostomy and extravesical reimplantation PESICON; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, Hotel Sheraton Grand, Pune.
12. Ayushi Vig, Kirtikumar Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Role of preoperative investigations to predict perforated peritonitis in children. WOFAPS; 1<sup>st</sup>-3<sup>rd</sup> November 2019, Qatar National Convention Centre, Doha Qatar.
13. Jayakumar TK, Kirtikumar Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Impact of standardised vacterl screening for associated anomalies in anorectal malformation and esophageal atresia/tracheoesophageal fistula cases in a newly established tertiary health centre. SPUCON; 14<sup>th</sup>-16<sup>th</sup> January 2020, Ankura Hospital Hyderabad.

### Sessions Chaired

1. Genital Anomalies and Tumours. Third Deccan Course in Paediatric Urology; 10<sup>th</sup> -12<sup>th</sup> January 2020, Taj Vivanta, Panjim, Goa.

### Research Projects:

#### Ongoing:

#### As Principal Investigator

1. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias.

#### As Co-Investigator

1. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
2. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis
3. Role of preoperative splenectomy artery embolization before splenectomy in children.
4. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias
5. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis.
6. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation

### National/ International Conferences attended:

1. Exstrophy Epispadias Workshop, JIPMER Pondicherry, 4<sup>th</sup>- 6<sup>th</sup> April 2019
2. 5<sup>th</sup> Advanced Laparoscopic Surgery live Workshop cum CME, 1<sup>st</sup> - 2<sup>nd</sup> August 2019
3. Third Deccan Course in Paediatric Urology, Taj Vivanta, Panjim, Goa, 10<sup>th</sup> – 12<sup>th</sup> January 2020.
4. 12<sup>th</sup> operative workshop on Bladder Exstrophy- Epispadias , BJ Medical college and Civil Hospital, Ahmedabad, 27<sup>th</sup> – 31<sup>st</sup> Jan 2020.

**Name of Faculty: Dr. Rahul Saxena**

**Designation: Associate Professor**

### Books/Chapters

1. Arvind Sinha and Rahul Saxena. Choledochal cysts. In: Contemporary Surgery, Abraham SJ (ed.), 1<sup>st</sup> edition, Bangalore, Micro labs limited 2019:113-28

**Papers Presented**

1. Tanmay Motiwala, Manish Pathak, Rahul Saxena, Arvind Sinha. Laparoscopic assisted splenectomy after preoperative embolization of splenic artery, E-Poster, General Topics, 10:00-11:00 AM, 29<sup>th</sup>Feb 2020. 15th Pediatric Endoscopic Surgeons of India Annual conference; 28<sup>th</sup> Feb- 1st March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
2. Tanmay Motiwala, Manish Pathak, Rahul Saxena, Arvind Sinha. A novel technique of DJ stent insertion in minimally invasive ureteropelvic junction obstruction surgery in pediatric patients: Retrospective analysis. E-Poster, Urology, 2:30-3:30 PM, 29<sup>th</sup> Feb 2020. 15th Pediatric Endoscopic Surgeons of India Annual conference; 28<sup>th</sup> Feb- 1st March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
3. Revathy Menon, TK Jayakumar, Kirtikumar J Rathod, Rahul Saxena, Avinash Jadhav, Manish Pathak, Arvind Sinha. Laparoscopic vesicolithotomy can replace open procedure for bladder calculus surgery in children: Our institutional experience. Oral Papers, Urology, 12:15PM-1:15pm, 1<sup>st</sup>March 2020. 15th Pediatric Endoscopic Surgeons of India Annual conference from 28<sup>th</sup> Feb- 1st March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
4. Rahul Saxena, Manish Pathak, Arvind Sinha, Mahaveer S Rodha, Biangchawadka Suchiang Conjoined Thoracopagus twins- Our experience and review of literature for outcome of surgical separation. UC Chakraborty Award Session, 11:30-12:45PM, 2<sup>nd</sup> Nov 2019, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
5. Biangchawadaka Suchiang, Rahul Saxena, Manish Pathak, Arvind Sinha. Congenital chylous ascites: Managed with fibrin glue after failure of conservative management. E-Poster, 2:00-3:00 PM, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
6. Shreya Krishnamurthy. Rahul Saxena, Manish Pathak, Arvind Sinha. Acquired tracheo-esophageal fistula in children: our clinical experience in diagnosis and management. IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
7. Rahul Saxena, TK Jayakumar, Manish Pathak, Arvind Sinha. A case of single perineal opening with cecovesical fistula- new variant of cloaca. E-poster 4:00 -5:00 PM, 1<sup>st</sup>November, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi
8. Rahul Saxena, Manish Pathak, Shreyas Krishnamurthy, Arvind Sinha. A case of Infantile Abdominal Mass- First Indian report of Pediatric gastrointestinal Basidiobolomycosis. E-Poster, 2:00-3:00 PM, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi.
9. Arvind Sinha, Rahul Saxena, Manish Pathak, Ayushi Vig. Robotic Surgery In Pediatrics- Our Initial Experience And Modifications For Children. Free paper. 1<sup>st</sup> November 2:00-3:00 PM, IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPSCON); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi.
10. Shreyas K., Saxena R, Pathak M, Sinha A. A rare case of co-existent PUJO and VUJO and our experience in diagnosis and management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.
11. Shreyas K., Saxena R, Pathak M, Sinha A. Rare case of exstrophy bladder with multiple calculi in urinary system and our experience in its management. 3<sup>rd</sup> Deccan Urology Conference; 10<sup>th</sup>-12<sup>th</sup> January 2020, Vivanta by Taj, Panjim Goa.

**Membership/ Post in Journal or Society or Association ::**

1. MAMS. Member of Academy of Medical Sciences; NAMS, New Delhi on 12<sup>th</sup> October 2019 at NAMSCON 2019. 59<sup>th</sup>Annual Conference of National Academy of Medical Sciences. 11<sup>th</sup>-13<sup>th</sup> October 2019, All India Institute of medical Sciences, Bhopal.
2. Executive Member; West Zone, PESI-EC, Pediatric Endoscopic Surgeons of India.

**Sessions Chaired**

1. Chairperson, Gastroenterology E posters, 10:00-11:00 AM, 28<sup>th</sup> Feb 2020, 15<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
2. Chairperson, Faculty Lectures, 5:45-6:45 PM, 28<sup>th</sup> Feb 2020, 15<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
3. Chairperson, E-posters, Throacic and Miscellaneous, 2:30-3:30 PM, 28<sup>th</sup> Feb 2020, 15<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference; 28<sup>th</sup> Feb- 1<sup>st</sup> March 2019, Hotel Sheraton Grand, Pune, Maharashtra.
4. Chairperson, Session Day 1-Foyer-Session 17-Prime Posters, 3:30-5:00 PM 1<sup>st</sup> Nov 2019. IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS); 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019, All India Institute of Medical Sciences, New Delhi

**National/ International Conferences attended:**

1. PESICON 2020. 15<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference, Hotel Sheraton Grand, Pune, Maharashtra, 28<sup>th</sup> Feb- 1<sup>st</sup> March 2019,
2. IAPSCON 2019. 45th Annual Conference of the Indian Association of Pediatric Surgeons (IAPS), All India Institute of Medical Sciences, New Delhi, 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2019
3. NAMSCON 2019. 59<sup>th</sup> Annual Conference of National Academy of Medical Sciences, All India Institute of medical Sciences, Bhopal, 11<sup>th</sup>-13<sup>th</sup> October 2019
4. IV Annual Pediatric Solid Tumor workshop 2019, Tata Memorial Centre, Mumbai, 27<sup>th</sup>-28<sup>th</sup> April 2019

**Research Project:****Ongoing:****As Principal Investigator**

1. Comparison of outcome in pediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis
2. Retrospective analysis of Outcome of stoma closure in children without mechanical bowel preparation

**As Co-Investigator**

1. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias
2. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias
3. Laparoscopic inguinal hernia repair: comparison of two techniques

## Department of Pediatrics

S.No.	Name	Designation
1	Dr. Kuldeep Singh	Professor and Head
2	Dr Arun Singh	Professor and Head (Neonatology section)
2	Dr. Jagdish Prasad Goyal	Additional Professor
3	Dr. Neeraj Gupta	Additional Professor ( Neonatology)
4	Dr. Daisy Khera	Additional Professor
5	Dr. Prawin Kumar	Associate Professor
6	Dr. Varuna Vyas	Assistant Professor
7	Dr. Aliza Mittal	Assistant Professor
8	Dr. Bharat Choudhary	Assistant Professor (Trauma and Emergency)
9	Dr. Siyaram Didel	Assistant Professor

### About the Department:

Department of Pediatrics is functioning since the beginning of the Institute and is providing preventive, promotive, rehabilitative and curative services to children below 18 years of age. The department is providing these services through OPD, IPD, ICUs (NICU/PICU) specialty clinics and community outreach program. The following is the vision, mission and goals of the department:

**Vision:** To established as a Center of Excellence having expertise and facilities to care for all types of health problems among the children and adolescents. The department visualize a society of healthy children free from any disease and disability. We are seeking ties beyond the domain of the hospital into the community, schools and peripheral health facilities. Joining hands with local, state and national level stakeholders to serve as resource center to bring about desirable behavioral changes among the people it serve as per Institutional mandate.

**Mission:** Let no child goes out of the department and hospital deprived of his/her right to the optimal health. All efforts are made to make an accurate diagnosis, follow evidence based practices and where ever possible provide contextual care aligned with the highest level of standards of care to the child.

**Goals:** Departmental goals are to achieve the highest level of patient care, building evidences through contemporary research adding substantial information to existing knowledge and create models in Medical Education through innovations.

### Facilities by the department:

Department saw nearly 150-200 patients daily in OPD and admission to IPD caters to patients ranging from diagnostic dilemma to sick patients requiring team care. Department also runs many specialty clinics and has state of art PICU and NICU with provision for managing any kind of illness requiring intensive care

### New Achievements in year 2019-20:

The department successfully organized “7th National Conference of Pediatric Education (NCPE) 2019”. This conference ignited many minds about improvement in current medical education. Department of Biotechnology (DBT) has designated AIIMS Jodhpur as “National Inherited Disorders Administration Kendra (NIDAN)” under “Unique Methods for Management of Inherited Disorders” initiative. The kendra has a genetic testing lab and provides clinical genetic counselling services. In co-ordination with the other departments, we are targeting genetic disorders with a multi-pronged strategy – i.e. Genetic counselling for prevention of diseases in future pregnancies, early identification and optimal management.



The unit will also work on capacity building and training of manpower. Pediatric hematology-oncology unit treated one patient of aplastic anemia with ATG first time and currently 13 children with hematologic malignancies are enrolled. Department is also providing follow up care to many cases of solid tumor and other malignancies. In view of increasing number of patient and increasing proportion of sick patients in Pediatric Trauma and Emergency with limited number of PICU beds, Pediatric Acute Care Area with five beds, two ventilators, was created in Nov 2019 and inaugurated by Prof (Dr) Sanjeev Misra, Director AIIMS, Jodhpur. On second Convocation of the institute, Health and Family welfare minister Hon'ble Dr Harsh Vardhan had also visited the area and appreciated the facility for sick children.

### Compiled list of Publications of the department :

#### Papers

##### Pubmed Indexed:

1. Bansal Y, Maurya V, Aggarwal N, Tak V, Nag VL, Purohit A, Singh Kuldeep. Thrombocytopenia in malaria patients from an arid region of Western Rajasthan (India). *Trop Parasitol* 2020.
2. Purva M, Randeep G, Rajesh M, Mahesh CM, Sunil G, Subodh K, et al. Assessment of core capacities for antimicrobial stewardship practices in Indian hospitals: Report from a multicentric initiative of global health security agenda. *Indian J Med Microbiol* 2019;37:309-17
3. Gupta N, Toteja N, Sasidharan R, Singh K. Childhood Scurvy: A Nearly Extinct Disease Posing a New Diagnostic Challenge, a Case Report. *J Trop Pediatr*. 2019 Aug 26. pii: fmz059. doi: 10.1093/tropej/fmz059. [Epub ahead of print] PubMed PMID: 31504984
4. Murhekar M, Verma S, Singh K, Bavdekar A, Benakappa N, Santhanam S, et al. (2020) Epidemiology of Congenital Rubella Syndrome (CRS) in India, 2016-18, based on data from sentinel surveillance. *PLoS Negl Trop Dis* 14(2): e0007982.
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7. Mittal A, Dijoo M, Aggarwal S, Gulati S. Rituximab to Abbreviate Plasma Exchange in Anti-CFH (Complement Factor H) Antibody Mediated Atypical HUS. *Iran J Kidney Dis*. 2019 Mar;13(2):134-138. PubMed PMID: 30988252.
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11. Kumar P, Goyal JP. Is Modified Centor Score Sensitive for Diagnosis of Streptococcal Pharyngitis in Indian Children? June 2019 *Indian pediatrics* 56(6):508-509.
12. Kumar P, Sureka B, Goyal JP. Pulmonary alveolar microlithiasis: often misdiagnosed in children. July 2019. *BMJ Case Reports* 12(7): e230776.
13. Kumar P, Goyal JP. Positive Newborn Screening for Cystic Fibrosis, what to Do Next? *Indian Journal of Pediatrics*. 2019;82 (12): 1147-47
14. Kumar P, Goyal JP. Do we need to be more updated in pediatric tuberculosis? August 2019. *Indian Pediatrics*; 56:691-692.

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17. Singh S, Goyal, JP, Kumar P. Hypereosinophilic Syndrome Masquerading as Complicated Pneumonia. *Indian J Pediatr* 2020. <https://doi.org/10.1007/s12098-020-03197-z>.
18. Kumar P, Goyal JP, Awasthi, S. Nasopharyngeal Flora in Children on Inhaled Corticosteroid Therapy. *Indian Pediatr* 2020; 57: 184. <https://doi.org/10.1007/s13312-020-1745-6>
19. Kumar P, Goyal JP. Effect of Vitamin D Supplementation in the Prevention of Recurrent Pneumonia in Under-Five Children – Correspondence 2. *Indian J Pediatr* 2020. <https://doi.org/10.1007/s12098-020-03244-9>.
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21. Kumar P, Mukherjee A, Randev S, Jat KR, Lodha R, Kabra SK. Normative Data of Infant Pulmonary Function Testing: A Prospective Birth Cohort Study from India. *Indian pediatrics*. 2020; 57 (1); 25-33.
22. Kumar P, Mukherjee A, Randev S, et al. Effect of acute respiratory infections in infancy on pulmonary function test at 3 years of age: a prospective birth cohort study. *BMJ Open Res* 2020;7: e000436. doi:10.1136/bmjresp-2019-000436.
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28. Aneja J, Goyal D, Choudhary B. Psychosis consequent to antimalarial drug use in a young child. *J Family Med Prim Care*. 2019;8(5):1781-1783. doi: 10.4103/jfmpc.jfmpc\_225\_19
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33. Murhekar M, Verma S, Singh K, Bavdekar A, Benakappa N, Santhanam S et al. Epidemiology of Congenital Rubella Syndrome (CRS) in India, 2016-18, based on data from sentinel surveillance. *PLoS Negl Trop Dis* 2020; 14(2): e0007982.
34. Gautam G, Khera D, Singh K. Isles of white in a sea of red: an underdiagnosed entity? *BMJ Case Rep* 2020;13: e234154. doi:10.1136/bcr-2019234154

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36. GUARDIAN Consortium, Sivasubbu S, Scaria V. Genomics of rare genetic diseases-experiences from India. *Hum Genomics.* 2019;14(1):52.
37. HR Prasad, A Sharma, N Kothari, V Vyas, S Goyal. Atypical Presentation of Crimean–Congo Hemorrhagic Fever as Ascending Paralysis with Rhabdomyolysis. *Indian J Crit Care Med.* 2020;24(2):143-144.
38. S Seetharamaiah, R Subramanian, A Sharma, V Vyas. A rare cause of desaturation in an infant after anesthesia induction. *Saudi journal of anaesthesia* 2019;13(2):164-165.
39. Sharma A, Goel AD, Sharma PP, Vyas V, Agrawal SP. The Effect of Transversus Abdominis Plane Block for Analgesia in Patients Undergoing Liver Transplantation: A Systematic Review and Meta-Analysis. *Turk J Anaesthesiol Reanim.* 2019;47(5):359-366.
40. Vyas V, Deepthi K, Singh K. A Case of Neonatal Diabetes Mellitus Due to INS Gene Mutation with Maternal Mosaicism and Atypical Presentation. *J Pediatr Genet.* 2020.

#### **Non-PubMed Indexed:**

1. Singh K. Understanding “Nudges” in Healthcare. *Ann Natl Acad Med Sci* 2019; 55: 167
2. Kumar P, Goyal JP. Does Zinc Really Improve the Outcome of Severe Pneumonia in Children? Letter to editor; *Journal of Clinical and Diagnostic Research.* 2019 April; 13(4):SL01-SL02
3. Kumar P, Goyal JP. Is Episodic Short Course of Montelukast Effective in Preschool Wheezing? *Journal of Clinical and Diagnostic Research* 2019; 13(12):SL01
4. Jayakumar TK, Khera D, Manchanda V, Rathod KJ. Management of Gorham-Stout disease presenting as intractable pleural effusion in an adolescent: A case report and review of literature. *Oncol J India.* 2019;3:62-5.

### **Name of Faculty - Prof Kuldeep Singh Designation – Professor and Head, Dean (Academics)**

#### **Papers Presented:**

1. Digital Learning: Engaging Medical Students using Audience Response System. 40<sup>th</sup> The Network: Towards Unity for Health (TUFH) Conference; 10<sup>th</sup> -12<sup>th</sup> September 2019, Darwin Australia
2. AIIMS Jodhpur Model of Medical Education: Experience, Acceptance and Adaptability. 40<sup>th</sup> The Network: Towards Unity for Health (TUFH) Conference, 10<sup>th</sup> -12<sup>th</sup> September 2019, Darwin Australia
3. Birth Defects in Congenital Rubella Syndrome: A Hospital Based Surveillance at a Tertiary Care Center. 9<sup>th</sup> International Conference on Birth Defects and Disabilities in the Developing World - I CBD 2020; 23<sup>rd</sup> - 26<sup>th</sup> February 2020, Cinnamon Grand Hotel, Colombo Sri Lanka

#### **Sessions Chaired:**

1. Session 4: Clinical evaluation of genetic neuromuscular disorders (Invited as a Guest Faculty). Sixth Annual National Conference of the Society for Indian Academy of Medical Genetics (SIAMGCON 2019) and the Indo-US Symposium on Genetic Neuromuscular Disorders; 21<sup>st</sup> – 23<sup>rd</sup> November 2019, Hyderabad.
2. Plenary 5: Tribal health-Traditional Healing Practices and Ethno-medicine. TribalCon 2019, Pravara Institute of Medical Sciences, 19<sup>th</sup> - 21<sup>st</sup> September 2019, Loni Maharashtra.

#### **Invited Lectures:**

1. CME on Storage Disorders in Children and Adults; 9<sup>th</sup> November 2019, JIPMER, Puduchery
2. Challenges of Health Access by Tribal people in Rajasthan. TribalCon 2019, Pravara Institute of Medical Sciences; 19<sup>th</sup> - 21<sup>st</sup> September 2019, Loni Maharashtra.

**Resource Faculty:**

1. Health Technology Assessment Meeting; 7<sup>th</sup> November 2019, ICMR New Delhi

**Research Project:****Ongoing:****As Principal Investigator**

1. National Inherited Disorder Administration (NIDAN) Kendra. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospital across India and developed registry. ICMR
2. Stimulating Medical Students interest in Medical Genetics: Randomized Controlled trial of an Innovative Educational Intervention. ICMR
3. Collaborator and Project Lead for Canadian Project, titled "Flipping to empower Adolescents for Sexual and Reproductive Health" amounting to 1 Lac Canadian Dollars.
4. Health Technology Assessment India Resource Hub at AIIMS Jodhpur 2019. DHR
5. Congenital Rubella Syndrome Surveillance in India- Multicentric research. ICMR Ongoing
6. Pneumonia Surveillance (HBSSPIBD) Project as PI since Nov 2016 and ongoing
7. GenomeIndia; Cataloguing the Genetic Variation in India (DBT) Started Jan 2020.

**Completed:****As Principal Investigator**

1. Collaborator and Project Lead for Canadian Project, titled "Flipping to empower Adolescents for Sexual and Reproductive Health" amounting to 1 Lac Canadian Dollars.
2. Digital Learning: Engaging Medical Students using Audience Response System. Non-funded.
3. AIIMS Jodhpur Model of Medical Education: Experience, Acceptance and Adaptability. Non funded.

**As Co-Investigator**

1. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study. Intramural non-funded project

**Scientific Awards/Patents:**

1. Flip2Empower

**Examinership:**

1. Faculty interviews at AIIMS Delhi, AIIMS Rishikesh and AIIMS Mangalagiri

**Membership/Post in Journal or Society or Association**

1. Member; Governing Council, India-Sweden Innovation Center

**National/ International Conferences attended:****National:**

1. National Conference on Tribal Health Research - Issues, Challenges & Opportunities, Pravara Institute of Medical Sciences, Loni and Bhandardhra Campus, 19<sup>th</sup> -21<sup>st</sup> September 2019
2. 6<sup>th</sup> Annual Conference of Society of Indian Academy of Medical Genetics, Hyderabad 21<sup>st</sup> -23<sup>rd</sup> November 2019
3. 57<sup>th</sup> PEDICON, the annual conference of the Indian Academy of Paediatrics, Indore, 9<sup>th</sup> – 12<sup>th</sup> January 2020. ( presented guest lectures)
4. Part of Indian team from AIIMS Jodhpur to Stockholm, Sweden, 10<sup>th</sup> -14<sup>th</sup> June 2019
5. 40<sup>th</sup> The Unity for Health Conference (TUFH 2019) held at Darwin, Australia, 9<sup>th</sup> -13<sup>th</sup> September 2019 and presented Oral-poster paper

6. 9th International Conference on Birth Defects and Disabilities in the Developing World - ICBD 2020, Cinnamon Grand Hotel, Colombo Sri Lanka, 23<sup>rd</sup> - 26<sup>th</sup> February 2020

**Name of Faculty: Dr. Jagdish Prasad Goyal**

**Designation: Additional Professor**

**Papers Presented:**

1. Correlation of waist circumference with metabolic syndrome parameters. 8th International Congress on Lipid and Atherosclerosis; 5<sup>th</sup> -7<sup>th</sup> September 2020.
2. Association of blood eosinophil and asthma control. ERS Congress 2019; 2<sup>nd</sup> October 2019, Madrid, Spain.

**Sessions Chaired:**

1. 31<sup>st</sup> Annual Conference of IAP Respiratory Chapter (Respicon); 11<sup>th</sup> -13<sup>th</sup> October 2019, Pune
2. Session III, 1<sup>st</sup> Indian Society of Paediatric Radiology (ISPR) Outreach Programme 2019; 8<sup>th</sup> December 2019, AIIMS, Jodhpur

**Invited Lectures:**

1. Lung as window of systemic diseases. 4<sup>th</sup> Annual CME of IAP Respiratory Chapter of Rajasthan; 14<sup>th</sup> July 2019, Udaipur.
2. Acute Severe Asthma. Pediatric Critical Care Update; 22<sup>nd</sup> September 2019, AIIMS, Jodhpur
3. Management of TB in children. Pediatric Association of India National Conference; 23<sup>rd</sup> November 2020, Manipur.
4. Cystic Fibrosis. , Invited by IAP, Kota; 8<sup>th</sup> February 2019, Kota

**Resource Faculty:**

1. Workshop on Cystic Fibrosis. Respicon; 11<sup>th</sup> October 2019, Pune

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Initiating Antimicrobial Stewardship program in Hospitals in India. ICMR
2. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospital across India and developed registry. ICMR
3. Prevalence of metabolic syndrome in children with bronchial asthma. Intramural
4. Parental Perception about childhood asthma and its treatment: a questionnaire based cross-sectional study. Intramural Non-funded

**As Co-Investigator**

1. Role of the inflammatory marker, atypical bacterial infection, and vitamin D3 level in recurrent wheezing in children under 5 year of age: a cross-sectional study. Intramural Project

**Completed:**

**As Principal Investigator**

1. To develop acute respiratory infection treatments unit (ATU) and assess their utility in improving healthcare and research in pneumonia related morbidity and mortality in India. INCLEN

**As Co-Investigator**

1. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study. Intramural non-funded project

**Scientific Awards/Patents:**

1. Travel Award to present poster, 8<sup>th</sup> International Congress on Lipid and Atherosclerosis, 5<sup>th</sup> -7<sup>th</sup> September 2020.
2. European Diplomat of Pediatric Respiratory Medicine (ERS)

**Examinership:**

1. External Examiner for MD(Pediatrics), SPMC, Bikaner and Govt Medical College, Kota.
2. Third Professional MBBS (Pediatrics) examiner, AIIMS, Patna and Govt Medical College, Kota.

**Membership/Post in Journal or Society or Association :**

1. Executive Board Member, IAP Respiratory Chapter
2. Editorial Board Member, Indian Journal of Respiriology
3. Executive Editor, International Journal of Medical Sciences and Public Health
4. Member, European Society of Pediatric Infectious Disease

**National/ International Conferences attended:**

1. 8th International Congress on Lipid and Atherosclerosis, September 5-7, 2020
2. ERS Congress 2019. European respiratory Society, 28<sup>th</sup> Sep -2<sup>nd</sup> Oct. 2019, Madrid, Spain
3. RESPICON 2019. Indian Academy of Pediatrics, Respiratory Chapter, 11<sup>th</sup>-13<sup>th</sup> Oct. 2019, Pune, India
4. 7<sup>th</sup> National Conference of Pediatric Association of India, 23<sup>rd</sup> -24<sup>th</sup> November 2020, Manipur
5. AIIMS Pediatric Pulmonology and Intensive Care Course Module VIII: Pulmonary Rehabilitation, 20<sup>th</sup> -21<sup>st</sup> July 2020, AIIMS New Delhi
6. AIIMS Pediatric Pulmonology and Intensive Care Course Module IX: Pediatric Pulmonology Diagnostic, 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS New Delhi

**Name of Faculty: Dr Daisy Khara**

**Designation: Additional Professor**

**Papers Presented:**

1. Prevalence of zinc deficiency and effect of zinc supplementation on prevention of respiratory infections in preschool children: an observational study. CIPP XVIII; 28<sup>th</sup> June, 2019, Chiba, Tokyo.
2. Tracheo-inominate fistula- a rare and fatal cause of tracheostomy bleed. Respicon 2019; 12<sup>th</sup> October 2019, Pune

**Sessions Chaired:**

1. Role of technology in Competency based medical education. 7<sup>th</sup> National Conference on Pediatric Education, Department of Pediatrics, AIIMS Jodhpur; 3<sup>rd</sup> November 2019, Jodhpur

**Invited Lectures**

1. Chest Imaging. Invited as faculty. Awesome Pulmonology 2019, 4th Annual CME of IAP Respiratory Chapter Rajasthan State; 5<sup>th</sup> June 2019, Jaipur.
2. Arterial blood gas analysis. Pediatric Critical Care Workshop, Department of Pediatrics, AIIMS Jodhpur; 21st September 2019, Jodhpur

3. Sedation and pain management in Pediatric intensive care setting. Pediatric Critical Care Update, organized by Department of Pediatrics, AIIMS Jodhpur; 22<sup>nd</sup> September 2019, Jodhpur
4. Pediatric trauma- from war zones to metros. Was invited as faculty, 21<sup>st</sup> National Conference of IAP Intensive Care Chapter (NCPIC 2019), 5<sup>th</sup> -8<sup>th</sup> December 2019, Hotel Capitol, Bengaluru, Karnataka

**Resource Faculty:**

1. Pediatric simulation. Pre-conference workshop, 7<sup>th</sup> National Conference on Pediatric Education, Department of Pediatrics, AIIMS Jodhpur, 3<sup>rd</sup> November 2019, Jodhpur
2. Arterial blood gas analysis. Pre-conference workshop of Pediatric Critical Care Workshop, organized by Department of Pediatrics at AIIMS Jodhpur, 21<sup>st</sup> September 2019, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Presepsin for the detection and risk stratification of sepsis in children: a prospective study. Intramural project

**As Co-Investigator**

1. Congenital Rubella Syndrome Surveillance in India: multicentric extramural project funded by ICMR, Delhi.
2. Hospital based Sentinel Surveillance for streptococcus Pneumonia and other Invasive bacterial diseases in India: multicentric extramural project funded by UNDP.
3. The Prevalence Study of Specific Micronutrient Deficiencies in School Going Children Aged Between 6-16 Years in Ten Cities of India: multicentric extramural project.
4. Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India. multicentric extramural project funded by CDC and ICMR
5. Prevalence of intestinal parasitic infection in undernourished children attending Health care facilities in Western Rajasthan. Intramural project.
6. Prevalence of metabolic syndrome in children with bronchial asthma. Intramural project.
7. Study of Clostridium difficile infection in patients with antibiotic associated diarrhea in hospitalized patients in tertiary care center at AIIMS Jodhpur. Intramural project

**Completed:**

**As Principal Investigator**

1. Bacteriological profile of Health care associated infections and Antibiotic resistance pattern of isolates at PICU in Tertiary care Hospital; a retrospective study

**As Co-Investigator –**

1. Validation of PIM 3 score in a tertiary care Pediatric intensive care unit in western Rajasthan: a retrospective study.

**Examinership**

1. External Examiner for the practical examination of third professional MBBS (Pediatrics), Dr SN Medical College, Jodhpur, 04<sup>th</sup> - 06<sup>th</sup> Feb 2020
2. External Examiner for the theory examination of third professional MBBS (Pediatrics) at Dr SN Medical College, Jodhpur, 29<sup>th</sup> - 31<sup>st</sup> Jan, 2020.

**Membership/Post in Journal or Society or Association :**

1. Life member; IAP Intensive Care Chapter

**National/ International Conferences attended:**

1. 18<sup>th</sup> International Congress on Pediatric Pulmonology (CIPP XVIII), Chiba, Tokyo, 27<sup>th</sup> -30<sup>th</sup> June 2019.
2. Awesome Pulmonology – 2019, Udaipur, Rajasthan, 13<sup>th</sup> - 14<sup>th</sup> July 2019.
3. 31<sup>st</sup> Annual Conference of IAP Respiratory Chapter, Respicon 2019, Pune, Maharashtra, 12<sup>th</sup> -13<sup>th</sup> October 2019.
4. 7<sup>th</sup> National Conference on Pediatric Education organized at AIIMS Jodhpur by Department of Pediatrics, 3<sup>rd</sup> – 5<sup>th</sup> November 2019
5. 21<sup>st</sup> National Conference of IAP Intensive Care Chapter (NCPIC 2019), 5<sup>th</sup> -8<sup>th</sup> December 2019, Hotel Capitol, Bengaluru, Karnataka

**Any other:**

1. Organizing secretary of “Pediatric Critical Care Workshop” organized by Department of Pediatrics at AIIMS Jodhpur on 21st September 2019
2. Organizing secretary of “Pediatric Critical Care Update” organized by Department of Pediatrics at AIIMS Jodhpur on 22<sup>nd</sup> September 2019
3. Co-organizing secretary of 7<sup>th</sup> National Conference on Pediatric Education organized at AIIMS Jodhpur by Department of Pediatrics from 3<sup>rd</sup> to 5th November 2019

**Name of Faculty: Dr. Prawin Kumar**

**Designation: Associate Professor**

**Papers Presented:**

1. Sleep-Related Breathing Disorders in Asthmatic Children: A Cross-sectional Study. 31st Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2019, 11<sup>th</sup> -13<sup>th</sup> Oct 2019, Pune India.
2. Clinical microbiological profile and outcome of empyema thoracis in children: A retrospective study from a developing country. ERS Congress 2019; 29<sup>th</sup> September 2019, Madrid Spain

**Sessions Chaired**

1. 1<sup>st</sup> Indian Society of Paediatric Radiology (ISPR) Outreach Programme 2019, Session III; 8<sup>th</sup> December 2019, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Role of the inflammatory marker, atypical bacterial infection, and vitamin D3 level in recurrent wheezing in children under 5 year of age: a cross-sectional study. Intramural Project



**As Co-Investigator**

1. Hospital Based Sentinel Surveillance for S. pneumoniae & other Invasive Bacterial Disease: Multicentric study. ICMR, NIE, Chennai.
2. Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospital across India and developed registry. ICMR
3. Parental Perception about childhood asthma and its treatment: a questionnaire based cross-sectional study. Intramural Non-funded
4. Symptoms of depression in adolescents with asthma: a reason for non-adherence? Intramural
5. Prevalence of metabolic syndrome in children with bronchial asthma. Intramural

**Completed:****As Principal Investigator**

1. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study. Intramural non-funded project

**As Co-Investigator**

1. To develop acute respiratory infection treatments unit (ATU) and assess their utility in improving healthcare and research in pneumonia related morbidity and mortality in India. (INCLEM)

**Resource faculty**

1. Cystic Fibrosis Workshop, Sardar Patel Medical College; 22<sup>nd</sup> December 2019, Bikaner.

**Examinership:**

1. Third Prof. M.B.B.S. PART-II (MAIN). Paediatrics, Dr. S.N. Medical College & Hospital, Jodhpur, Jan 2020.

**Membership/Post in Journal or Society or Association :**

1. Member; American Academy of Sleep Medicine (AASM): C481522
2. Member; Asian Pacific Society of Respiriology (APSR): ID 2783

**National/ International Conferences attended:**

1. ERS Congress 2019. European respiratory Society, Madrid, Spain, 28<sup>th</sup> Sep -2<sup>nd</sup> Oct. 2019.
2. RESPICON 2019. Indian Academy of Pediatrics, Respiratory Chapter, Pune, 11<sup>th</sup>-13<sup>th</sup> Oct. 2019
3. AIIMS Pediatric Pulmonology and Intensive Care Course Module VIII: Pulmonary Rehabilitation. AIIMS New Delhi, 20<sup>th</sup> -21<sup>st</sup> July 2020.
4. AIIMS Pediatric Pulmonology and Intensive Care Course Module IX: Pediatric Pulmonology Diagnostic. AIIMS New Delhi, 22<sup>nd</sup> -23<sup>rd</sup> February 2020.

**Name of Faculty: Dr Varuna Vyas**

**Designation: Assistant Professor**

**Papers Presented:**

1. A case of Neonatal Diabetes with Non-Mendelian inheritance of an Autosomal Dominant Disorder, November 29, 2019 at ISPAECON 2019- Poster Presentation

**Sessions Chaired:**

1. Chaired a session in the 13<sup>th</sup> National Conference of Society of Indian Human and Animal mycologists, organized by the Department of Microbiology; 14<sup>th</sup> February 2020, AIIMS, Jodhpur

**Invited Lectures**

1. Lecture on Downs Syndrome- In DBT Sponsored CME Chromosomal disorder and Genetic Counseling; 24<sup>th</sup> August 2019, PGI Chandigarh
2. Lecture on Preimplantation Genetic screening – Is it for everyone?, Repromed Update , Organised by Department of Obstetrics and Gynaecology; 22<sup>nd</sup> December 2020, AIIMS, Jodhpur
3. Lecture on Insulin therapy in Ambulatory Type 1 Diabetes Mellitus patients, CME session organized by Marwar Pediatrics Society, 19<sup>th</sup> October 2020.

**Research Project:****Ongoing:****As Principal Investigator:**

1. Short stature- clinic etiological profile of children presenting with short stature and limitations in appropriate diagnosis and treatment.

**National/ International Conferences attended:**

1. **ISPAECON 2019**- The biennial conference of Indian society of Pediatric and Adolescent Endocrinology, Kolkata, 29<sup>th</sup> November 2019 to 1<sup>st</sup> December 2019.
2. Workshop on Systematic Reviews Using R, 12<sup>th</sup> -14<sup>th</sup> December 2019. CM Christian Medical College, Vellore.

**Any other information:**

1. Completed 3 months as Pediatric Endocrine Society - International Scholar at the University of Michigan, Ann Arbor, United States of America from March 2019 to June 2019, with a scholarship of USD 8000.
2. Co-organising secretary for National Conference on Pediatric Education 2019 organised by the department of Pediatrics at AIIMS, Jodhpur

**Name of Faculty: Dr Aliza Mittal**

**Designation: Assistant Professor**

**Papers and Posters Presented:**

1. **Mittal M**, Nalwa A, Singh K. Retrospective review of Kidney Biopsies in an upcoming Pediatric Nephrology unit. ISPNCON; 18<sup>th</sup>-22<sup>nd</sup> December 2019, AFMC, Pune
2. **Mittal A**, Manjesh, Kumar P, Garg P, Sureka B, Singh K. Renovascular hypertension - Clinico-radiological collation ISPNCON, 18<sup>th</sup>-22<sup>nd</sup> December 2019, AFMC, Pune
3. **Mittal A**, Bamnawat H, Nalwa A, Khera D, Kumar P, Singh K. Pediatric Lupus Nephritis -Experience from western Rajasthan. ISPNCON 18<sup>th</sup> -22<sup>nd</sup> December 2019, AFMC, Pune

**Invited Lectures**

1. Role of Antibiotic prophylaxis in Recurrent Urinary Tract Infections. 57<sup>th</sup> Annual Conference of the Indian Academy of Pediatrics (PEDICON 2020); 9<sup>th</sup> - 12<sup>th</sup> January 2020, Brilliant Convention Centre, Indore
2. Moderator for Panel Discussion on “**Renal Transplant in Children- Understand, Identify the need & timely advocacy.** 57<sup>th</sup> Annual Conference of the Indian Academy of Pediatrics (PEDICON 2020); 9<sup>th</sup> - 12<sup>th</sup> January 2020, Brilliant Convention Centre, Indore
3. “Puberty Growth and Development” as part of **Flip2Empower** project. Army Public School Jodhpur; 13<sup>th</sup> May 2019, Jodhpur

#### **Resource Faculty:**

1. Member of the Working Group on Long-term Outcome of Nephrotic Syndrome, formed for revising the Guidelines on Nephrotic Syndrome, XI<sup>th</sup> Annual Training Course in Pediatric Nephrology, 4<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS Delhi [Attended virtually]
2. Member of the working group for “Pediatric Continuous Renal Replacement Therapy (PCRRT) expert committee\_recommendation on prescribing prolonged intermittent renal replacement therapy\_(PIRRT) in critically ill children” at The ISN World Congress of Nephrology, 12<sup>th</sup> -15<sup>th</sup> April 2019, Melbourne Australia [ Attended Virtually]
3. Principles of assessment and Theory Assessment” Faculty Sensitization program, 24<sup>th</sup>-25<sup>th</sup> April 2019, AIIMS Jodhpur
4. Flip2Empower project from Department of Pediatrics. Taken lecture and prepared resource material on “Puberty Growth and Development”, “Adolescent Nutrition”, Mobile Use in Adolescents and Sleep Hygiene in Adolescents.
5. Part of the committee for initiating Telemedicine in the institute as an alternative system of providing consultation to (OPD)out patients during COVID-19 pandemic.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis. – Intramural project- Research Cell AIIMS Jodhpur
2. Indian Pediatric Chronic Kidney Disease Registry. Non Funded. Chief Investigator from AIIMS Jodhpur Centre. Collaborating with AIIMS New Delhi
3. Research on Nephrotic Syndrome: Participation in the Registry and Longitudinal Study Cohorts for Patients with Nephrotic Syndrome. Non Funded. Chief investigator from AIIMS Jodhpur Centre, Collaborating with AIIMS New Delhi
4. Indian registry and biorepository for patients with atypical hemolytic uremic syndrome- Multicentric project. Non Funded. Collaborating with AIIMS New Delhi
5. Setting up of registry and targeted exome sequencing in children with renal tubular disorders- Indian Council of Medical Research. Collaborating with AIIMS Bhopal
6. Short term review of Pediatric nephrology services in an upcoming tertiary care Centre- A retrospective analysis. Non Funded.

##### **As Co-Investigator**

1. Hypertension among adolescents with signs and symptoms of stress using ambulatory blood pressure monitoring- PG Thesis (Research Cell AIIMS Jodhpur)-Non-Funded

##### **Completed:**

**As Principal Investigator**

1. Knowledge, Attitude and Practices regarding renal health among caregivers of children with renal diseases coming in Pediatric Nephrology Clinic- **ICMR STS Project submitted Oct 2018**

**Membership/Post in Journal or Society or Association :**

1. Member; IPNA- International Pediatric Nephrology Association

**National/ International Conferences attended:**

1. Introductory Course on Evidence Based Medicine, Research Cell, AIIMS Jodhpur, March-April 2019
2. PEDICON 2020 – 57<sup>th</sup> Annual Conference of the Indian Academy of Pediatrics, Brilliant Convention Centre, Indore, 9<sup>th</sup> - 12<sup>th</sup> January 2020

**Name of Faculty: Dr Siyaram Didel**

**Designation: Assistant Professor**

**Papers****Papers / Poster Presented:**

1. Didel SR, Krishna D, Vyas V, Singh K, Purohit A. Factor VII deficiency and Hemarthrosis – A rare Presentation. ICMR Genetic Counselling Training Workshop, SGPGI; 24<sup>th</sup> Aug to 7<sup>th</sup> Sept 2019, Lucknow
2. Gautam G, Yadav B, Sasidharan R, Didel SR, Gupta N, Purohit A. Anicteric Hypo-regenerative Anemia Following Rh Isoimmunization– An Uncommon Manifestation of a Common Disease. 3<sup>rd</sup> Hematology Update, 28<sup>th</sup> July 2019, AIIMS Jodhpur
3. Manjesh, Didel SR, Khera D, Singh K, Purohit A. Hodgkin's Lymphoma and Autoimmune Hemolytic Anemia – An Uncommon Presentation. 3<sup>rd</sup> Hematology Update; 28<sup>th</sup> July 2019, AIIMS Jodhpur
4. Raj P, Didel SR, Kumar P, Purohit A. Difficult Anemia in Children - 5- Nucleotidase Deficiency Induce Hemolytic Anemia. 3<sup>rd</sup> Hematology Update; 28<sup>th</sup> July 2019, AIIMS Jodhpur

**Invited Lectures:**

1. Thalassemia and Hemophilia. Dept. of Pathology & Blood Bank and Thalassemia Society, Govt. Medical College; 5<sup>th</sup> Dec 2019, Pali

**Symposium Speaker:**

1. Role of bedside visits by transfusion medicine practitioners in improving blood safety. ISBT 2019; 29<sup>th</sup> - 30<sup>th</sup> Nov 2019

**Membership/Post in Journal or Society or Association :**

1. Life Member; Indian Academy of Pediatric (IAP)
2. Life Member; Indian Academy of Pediatric Hemato-oncology (MPHO)

**National Conferences attended:**

1. PHOCON 2019, BHU Varanasi, Sept 2019

**Workshop attended**

1. ICMR Course on medical Genetics and Genetic counselling, Dept. of Medical Genetics, SGPGI, Lucknow, 25<sup>th</sup> Aug – 7<sup>th</sup> Sep 2019

2. Workshop on Diagnostic Test Methods, CMC Vellore, 9<sup>th</sup> -11<sup>th</sup> Dec 2019
3. Workshop on Vaccine Preventable Disease, Govt. of Rajasthan, Jaipur, 25<sup>th</sup> -26<sup>th</sup> Feb 2020

**Any other information:**

1. Started pediatric hematology-oncology unit functioning with one patient of aplastic anemia treated with ATG for the first time. Currently 13 children with hematologic malignancies are under treatment and they are given follow up care to many cases of solid tumor and other malignancies in whom treatment started at higher centers

**Conferences Organized**

1. 7<sup>th</sup> National Conference on Pediatric Education (NCPE 2019), AIIMS Jodhpur, 3<sup>rd</sup> -5<sup>th</sup> Nov 2019
2. Competency Based Medical Education (CBME) – CME cum Workshop, Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019
3. Workplace Based Assessment, Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019
4. AETCOM (Attitude, Ethics and Communication), Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019
5. Research Methodology, Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019
6. Clinical Teaching Methods, Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019
7. Medical Simulation: Introductory trainer's course, Preconference CME and Workshops under NCPE 2019, AIIMS Jodhpur, 3<sup>rd</sup> Nov 2019

**Eminent Visitors:**

1. Prof (Dr) Shrikant M Mane, (Professor of Genetics Executive Director of Yale Center for Genome Analysis Director, Keck Biotechnology/Proteomics Laboratory Department of Genetics Yale University School of Medicine TAC S315, 300 Cedar Street New Haven, CT 06519, USA
2. Prof Jyotsna Rimal (FAMER Fellow, Prof. & Head, Oral Medicine and Radiology, Coordinator, Health Professions Education B.P. Koirala Institute of Health Sciences, Dharan, Nepal
3. Dr Shalabh Garg, Consultant Neonatologist James Cook University Hospital, Middlesbrough UK
4. Dr Karma Tenzin, FAIMER fellow, Deputy Dean, Academic Affairs & Assistant Professor, Faculty of Postgraduate Medicine, KGUMSB, Bhutan
5. Prof S Ramji, Director-Professor (Pediatrics), Department of Neonatology, Maulana Azad Medical College, New Delhi and Sr. Advisor to the Board of Governors, Medical Council of India. Was formerly Dean of Maulana Azad Medical College
6. Prof Piyush Gupta, President-Elect IAP 2020, FAMS, FIAP, FNNF Professor and Head (Pediatrics) at University College of Medical Sciences, Delhi. He is President Elect 2020 Indian Academy of Pediatrics
7. Prof S Mahadevan, Former Dean and Head of Department of Pediatrics, JIPMER, Puducherry
8. Prof B S Baliga, Professor Emeritus (Pediatrics), Kasturba Medical College, Mangalore, Manipal University
9. Prof P Ramachandran, Professor Pediatrics & Assoc Dean (PG), Sri Ramachandra Inst. of Higher Education & Research, Chennai
10. Prof Bhavneet Bharti, Prof and Head, Social Pediatric Division, APC, PGIMER, Chandigarh
11. Prof Dinker Pai, Professor of Surgery and Director, Medical Simulation Centre, MGMCRI, Puducherry
12. Prof Sanjiv Lewin, Chief of Medical Services, Professor – Pediatrics, Clinical Ethics, Medical Education. St. John's Medical College Hospital, Bangalore. Visiting Clinical Professor, University of Maryland-Baltimore
13. Prof M Manivannan, Dept. of Applied Mechanics, IIT Madras
14. Prof Sanjay Lalwani, Vice Principal & Medical Director, Professor and Head, Pediatrics, Bharati Vidyapeeth University Medical College, Pune Maharashtra
15. Prof Somasekhar Nimbalkar, Professor and Head, Department of Pediatrics, Pramukhswami Medical College, Karamsad, Associate Dean (Research Services), Charutar Arogya Mandal, National Joint Coordinator - Advanced IAP NNF NRP Program, Founder Member – KMC Foundation of India
16. Prof Ajay Phatak, Professor of Bio-Statistics Adjunct Professor of Public Health Central Research Services Charutar Arogya Mandal Karamsad - 388325 Annand, Gujarat
17. Dr Shakila Kulasekaran, Founder and Director, Life Care SIM Academy, Chennai

### Conferences organized by the Department of Pediatrics

1. “7th National Conference on Pediatric Education (NCPE)2019 (Nov 3-5, 2019 )” was organized by Department of Pediatrics, AIIMS Jodhpur. The conference concluded with exciting and informative scientific academic feast that featured contemporary discussion about teaching, training towards Competency Based Medical Education (CBME)'s concepts, implementation and assessment methods through wide arrays of deliveries. That included mini-lectures, panel discussion, debate, paper /poster presentation, UG/PG quiz and practical workshops delivered by academic leaders in the field of Pediatrics and Medical Education from country and abroad. Stalwarts like **Prof Siddhartha Ramji**, **pProf Shrikant M Mane**, **Prof Piyush Gupta** and other eminent national and international academicians were part of this event. Participation of end-user, the students, was a highlight of this mega event and appreciated by all. The event became memorable with launch of IAP task force draft document for Pediatric Competency training of medical students.



Dr Harshwardhan visiting Pediatric triage facility at Emergency and trauma



Glimpses of the conference



Many moments of the sessions





Images from the various sessions

**2. Pediatric Critical Care workshop and Update** was organized by the Department of Pediatrics, AIIMS Jodhpur on 21st and 22nd September respectively. 9 eminent faculty members were invited from institutes like AIIMS Delhi, PGI Chandigarh, Maulana Azad Medical College and AIIMS Raipur. Around 60 delegates had registered for the workshop and CME. The workshop included 4 workstations and the CME covered all the pertinent topics of Pediatric critical care.

Interaction with delegates during Pediatric Critical Care workshop and Update

Souvenir presentation during the workshop

**3. Pediatric Trauma and emergency** have catered approximately 6000 patients last year. In view increasing number of patient and increasing proportion of sick patients with limited number of PICU beds, Pediatric Acute Care area was created in Nov 2019. The same was inaugurated **by Prof (Dr) Sanjeev Misra, Director AIIMS, Jodhpur in the Presence of Prof. (Dr) Kuldeep Singh**, Head of the Department Pediatrics. This area has capacity of 5 beds with 2 ventilators with other necessary equipment to stabilize sick children. We stabilize all children including surgical emergencies. Sick Children those who are hemodynamically unstable are kept here for further monitoring till they get bed in PICU or till they become stable. Since Nov 2019 total 350 patients has been admitted and monitored. After this area became functional our referral rate has reduced significantly. In December 2019, on the occasion of 2nd Convocation at the institute, **Health and Family welfare minister Dr Harsh Vardhan** has also visited the area and appreciated the facility for sick children. We have submitted a proposal for starting a one-year fellowship course in Pediatric Trauma and Emergency which may start from this year.



Inauguration of pediatric trauma and emergency

**4. Medical Simulation: An Introductory Trainer Course. Department of Pediatrics, AIIMS Jodhpur, AIIMS Jodhpur, 3rd November 2019**



Organizers and participants during Medical Simulation training course



Demonstration of techniques on simulators by experts during the training course

**5. Emergency Treatment and Triage workshop [ETAT] for medical officers and Nursing officers of Rajasthan. Department of Pediatrics, AIIMS Jodhpur, 27-29, November 2019**



Organizers and Participants during ETAT workshop 2019

**4. Cystic Fibrosis Workshop, Sardar Patel Medical College (SPMC) Bikaner. 22nd December 2019.**

Interested Audience during Cystic Fibrosis Workshop at SP Medical College Bikaner

Faculty during the ICMR-Project workshop on cystic fibrosis

### **5. World Asthma Day Celebration at AIIMS, Jodhpur**

World asthma day was celebrated in Department of Pediatrics at AIIMS, Jodhpur on May 7, 2020. The theme of World asthma day was "STOP" represents symptom evaluation, test response, observe, assess and proceed to adjust treatment. Department of Pediatrics, AIIMS, Jodhpur organized a CME on GINA 2019 guideline on Asthma followed by panel discussion and demonstration of devices on World asthma day. The participants were welcomed by Dr Jagdish Goyal, Additional Professor, Department of Pediatrics, AIIMS, Jodhpur. Dr Anurag Singh, Professor and Head, Department of Pediatrics, SNMC, Jodhpur, Dr Jagdish Prasad Goyal, Additional Professor, Department of Pediatrics, AIIMS, Jodhpur and Dr Prawin Kumar, Associate Professor, Department of Pediatrics, AIIMS Jodhpur were among the panelist. The program was attended by practicing pediatricians, faculty and resident doctors of AIIMS, Jodhpur and SNMC, Jodhpur. Concluding remark was given by Dean and HOD, Pediatrics, AIIMS, Jodhpur, Dr Kuldeep Singh.

Lecture delivery during CME on GINA 2019 guideline on Asthma by experts

Discussion in progress among enthusiastic participants

**6.** Started Pediatric hematology-oncology unit functioning with one patient of aplastic anemia treated with ATG first time and currently 13 children with hematologic malignancies are under treatment with us and we also giving follow up care to many cases of solid tumor and other malignancies in whom treatment started at higher centers

## Department of Pharmacology

S.No.	Name	Designation
1	Dr. Sneha Ambwani	Professor & Head
2	Dr. Surjit Singh	Additional Professor
3	Dr. Pradeep Dwivedi	Associate Professor
4	Dr. Jaykaran Charan	Associate Professor
5	Dr. Shoban Babu Varthya	Assistant Professor

### About the Department :

The Department of Pharmacology at All India Institute of Medical Sciences, Jodhpur has framed the teaching module and methodology for undergraduates and the first M.B.B.S. batch entered the second professional year in August 2013. Since then, along with the lectures and tutorials, teaching of Pharmacology theory syllabus was supplemented with integrated teaching sessions. Pharmacology teaching is extending beyond 5th semester and integrated lectures are being conducted for final professional students in collaboration with clinical departments.

The Department of Pharmacology, AIIMS, Jodhpur envisage to:

- To educate (by imparting knowledge & skills) the undergraduate and postgraduate medical, and paramedical students to apply basic principles of pharmacology and therapeutics to practice including rational use of drugs.
- To facilitate basic and applied research that significantly advances current pharmacological knowledge.
- To provide academic services and patient care facilities (through Pharmacovigilance, Therapeutic Drug Monitoring, Drug Information Centre, etc.)

The Department of Pharmacology is a designated "Adverse Drug Monitoring Center" (AMC) under "Pharmacovigilance Programme of India" (PvPI) since 2014. The Department has contributed 1453 adverse drug reaction (ADR) reports so far to Vigi Flow database and 307 ADR reports in year 2019-20. Department is also designated as to establish Materiovigilance centre at AIIMS, Jodhpur & in planning to establish a "Toxicovigilance, & Hemovigilance centre". Department is also keen to establish "Drug information centre".

Apart from regular teaching activities, department faculties are engaged in various research projects, the details of which are given below. The department is in process to start "Therapeutic drug monitoring" (TDM) services. To begin, TDM for phenytoin and carbamazepine will be done and later on other drugs will expand the list. The department is also planning to initiate Pharmacogenomics for various drugs. We also intended to start the Pharmaceutical industry sensitization programme for junior residents in collaboration with Boehringer Ingelheim India Pvt. Ltd. The purpose of exposure of this is to give exposure to our students regarding Clinical Research, medico marketing and ICSR/PSUR generation. This will increase their competence in securing jobs in pharmaceutical industries.

CPCSEA certified "Animal house" will be start soon, an essential requirement of the institute. Animals kept would be utilized by faculty members after institution's ethical clearance; for research work or skill development.

Department is successfully participating in the online-teaching activity of the institute since 23<sup>rd</sup> March 2020 & using various tools and experimenting with the techniques to facilitate online theory and practical sessions. We are also planning to take Computer Assisted Learning to online-mode for better clarity & comprehension of practicals.

The department has four approved M.D. seats and three M.D. students had joined the department in 2019-18 session. The postgraduate students are doing the following projects as their MD Pharmacology thesis.

1. Study of frequency of UGT1A6 polymorphism and its association with plasma valproic acid level in patients with epilepsy
2. A prospective randomized parallel group active controlled open label study to evaluate the effect of add-on pregabalin over standard analgesic treatment in the control of dental pain after 3<sup>rd</sup> molar surgery.
3. A comparative evaluation of gabapentin and duloxetine in painful diabetic neuropathy: A randomized control trial
4. Rheumatological Manifestation and drug utilisation study in diabetes mellitus.
5. To study the frequency of OXA-type Carbapenemases among carbapenem resistant *Acinetobacter baumannii* in clinical isolates from adult Intensive Care Unit
6. Frequency of rs671 (Glu504Lys) polymorphism in ALDH2 and its relationship with effect of sublingual Nitroglycerin.
7. Study of efficacy and safety of add on Apremilast in patients with unstable vitiligo.
8. Circulating miRNA-21 levels in breast cancer patients before and after chemotherapy and its association with clinical improvement.
9. Association of glycaemic response of Dipeptidyl peptidase-4 (DPP-4) inhibitors with KCNQ1 gene polymorphism in type II diabetes mellitus patients.

#### Compiled list of Publications of the department:

##### Pubmed indexed:

1. Singh V, Misra AK, Singh M, Midha NK, Kumar B, Ambwani S, et al. An open-label, randomized, 10 weeks prospective study on the efficacy of vitamin D (daily low dose and weekly high dose) in vitamin D deficient patients. *J Family Med Prim Care* 2019; 8: 1958-63.
2. Ambwani S, Misra AK, and Kumar R. Medication Errors: Is it the hidden part of the submerged iceberg in our healthcare system? *Int J App Basic Med Res* 2019;9:135-42.
3. Charan J, Tank N, Reljic T, Singh S, Bhardwaj P, Kaur R, et al. Prevalence of multidrug resistance tuberculosis in adult patients in India: A systematic review and meta-analysis. *J Family Med Prim Care* 2019;8:3191-201.
4. Goyal S, Sharma A, Goswami D, Kothari N, Goyal A, Vyas V, Kirubakaran R, Sahu R, Singh S. Clonidine and Morphine as Adjuvants for Caudal Anaesthesia in Children: A Systematic Review and Meta-Analysis of Randomised Controlled Trials. *Turk J Anaesthesiol Reanim* 2020; doi: 10.5152/TJAR.2020.29863
5. Ram H, Jaipal N, Charan, J, Kashyap P, Kumar S, Tripathi R, et al. Phytoconstituents of an ethanolic pod extract of *Prosopis cineraria* triggers the inhibition of HMG-CoA reductase and the regression of atherosclerotic plaque in hypercholesterolemic rabbits. *Lipids Health Dis* 19, 6 (2020).
6. Thangaraju P, Varthya SB, Venkatesan S. Low-dose oxytocin - a safe strategy in postpartum hemorrhage. *Indian J Pharmacol.* 2019;51(5):355-356. doi:10.4103/ijp.IJP\_62\_19
7. Varthya SB, Thangaraju P, Venkatesan S. Curcumin and fungal infection—commonly available herbs for common female infection. *Journal of Family Medicine and Primary Care.* 2020 Feb;9(2):1272.
8. Thangaraju P, Varthya SB, Venkatesan S. Named terminologies of patient-centered – A focus respective to stigmatized disease. *J Family Med Prim Care* 2020;9:2146-7
9. Thangaraju P, Varthya SB, Guruthalingam MP, Venkatesan S. Cephalosporin's induced hepatic enzyme derangement - An educational report. *J Family Med Prim Care* 2020;9:2143-5.
10. Target/therapies for chronic recurrent erythema nodosum leprosum. [Ahead of Print].
11. COVID-19: Older drugs for a novel disease – Chloroquine, hydroxychloroquine and possible Pentoxifylline - set to start the second innings? [Ahead of Print].

**Non PubMed**

1. Charan J, Chaudhari M, Saxena D, Bhardwaj P, Dwivedi P, Ambwani S. Patients Opinion on the use of Generics and Factors Associated with it: A Cross-Sectional Study. J Young Pharm. 2019; 11(2):172-6.
2. Chugh A, Rastogi R, Choudhary A, Singh S, Chugh VK, Patnana AK. Knowledge, awareness and attitude of oral health and root canal treatment among medical professionals. J Global Oral Health 2019;2(1):41-7.
3. Thangaraju P, Varthya S, Venkatesan S. Ebola drug trial: a ray of hope. Cukurova Medical Journal. 2019;44(4):1532-3.
4. Thangaraju P, Venkatesan S, CHANDU DN, Varthya SB. Eosinophilia as an adverse drug reaction secondary to thalidomide therapy in Leptra type 2 reactions: a mandate responsibility. Cukurova Medical Journal. 2019;44(4):1506-10.
5. Chenchula S, Kumar S, Babu S. Comparative Efficacy of 3Dimensional (3D) Cell Culture Organoids Vs 2Dimensional (2D) Cell Cultures Vs Experimental Animal Models In Disease modeling, Drug development, And Drug Toxicity Testing. International journal of current research and review 2019; 11: 11-17.

**Name of Faculty: Dr. Sneha R Ambwani**

**Designation: Professor and Head**

**Books/Chapters:**

1. Misra A, Singh S, Sharma PK, Ambwani S, Varma SK. Oxidant/Antioxidant Imbalances in Huntington's Disease. In: Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Diseases by NOVA Science Publishers, Inc. New York, USA2020.

**Papers Presented:**

1. Ambwani S. Oral consumption of cannabis: Can it be a substitute for the treatment of insomnia under naturalistic conditions? Sleep Down Under-2019, at Sydney Australia on 16-19th October 2019.
2. Ambwani S. To study the prevalence of cardiometabolic syndrome in patients with Schizophrenia. International Congress of Diabetes & Metabolism 2019. Seoul Korea on 10<sup>th</sup> -12<sup>th</sup> October 2019. (Accepted for oral presentation)
3. Charan J, Ram H, Purohit A, Ambwani S, Pradeep Dwivedi. HMG CoA inhibitory properties of anti-diabetic herbal plant Acacia Senegal. ICDM, Seoul, South Korea. 10<sup>th</sup> -11<sup>th</sup> Oct 2019.
4. Dwivedi P, Shukla RG, Mandal S, Garg P, Charan J, Singh S, Sharma PK, Ambwani S. Metabolic Syndrome & Endothelial Dysfunction. 8th International Congress on Lipid & Atherosclerosis (ICoLA); 05<sup>th</sup> - 07<sup>th</sup> September 2019, Seoul, South Korea. (Accepted) [POSTER]

**Sessions Chaired:**

1. Chaired the session of Oral Paper Presentations: The 13th National Conference of Society for Indian Human & Animal Mycologist; 12<sup>th</sup> -15<sup>th</sup> February 2020, AIIMS, Jodhpur
2. Poster Presentation: The 11th Annual National conference ISRPTCon2019, School of Tropical Medicine; 29<sup>th</sup> – 30<sup>th</sup> November 2019, Kolkata .
3. Chaired a session 7th National Conference on Pediatric Education. 3<sup>rd</sup> -5<sup>th</sup> Nov 2019
4. Challenges in development of Parasite Vaccine. CME on Tropical Parasitology; 5<sup>th</sup> -6<sup>th</sup> April 2019, AIIMS, Jodhpur

**Symposium Speaker:**



1. Approaches to treating insomnia in aged. The 11th Annual National conference ISRPTCon2019, School of Tropical Medicine; 29th- 30th November 2019, Kolkata

#### **Resource Faculty:**

1. Workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y”. Organized by Dr. S. N. Medical College, Jodhpur (Rajasthan) On 20th January 2020.
2. Workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y”. GMC, Pali, Rajasthan on 17th December 2019.
3. Workshop on protocol design and introduction to evidence based medicine for PGs (MD/MS/DM/Mch) and Ph.D. 23-24th Sept 2019.
4. Orientation Program for interns January 2020 at AIIMS, Jodhpur

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator:**

1. “Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan”. Extramural-ICMR
2. Initiating Antimicrobial Stewardship activities in hospitals in India(ICMR)

##### **Completed:**

##### **As Principal Investigator:**

1. Study of vitamin D level and cardio metabolic abnormalities in patients with schizophrenia and bipolar disorders. (Completed)

##### **As Co-Investigator:**

1. All India Institute of Medical Sciences, Jodhpur: Regional Centre for Antimicrobial Resistance Surveillance Network. (ICMR Project).
2. Correlation of circulating endothelial progenitor cell with endothelial function in cases with metabolic syndrome. (Completed)
3. An open labelled prospective study on efficacy of daily & weekly dose of vitamin D in adult population at a tertiary care teaching hospital. (Completed)
4. Opinion of OPD patients & clinicians about the prescription of generic drugs: A cross –sectional study.(Completed)
5. Use of Complementary and Alternative Medicines (CAM) and worsening of kidney failure: A case control study(Completed)

#### **Examinership of various Undergraduate/Post graduate/Thesis checking:**

1. King George’s Medical University, Lucknow(UP)
2. JIPMER, Puducherry
3. Geetanjali Medical College, Udaipur (Deemed University)
4. GGS Indraprastha University, New Delhi.

#### **Membership/Post in Journal or Society or Association**

Reviewer of the following Journals-

1. Metabolic Syndrome & Related Disorders.
2. International Journal of Applied & Basic Medical Research.
3. Journal of Indian Academy of Geriatrics

**National/ International Conferences attended:**

1. The 13<sup>th</sup> National Conference of Society for Indian Human & Animal Mycologist at AIIMS, Jodhpur, 12<sup>th</sup> - 15<sup>th</sup> February 2020.
2. The 11th Annual National conference ISRPTCon2019 at School of Tropical Medicine, Kolkata on 29th-30th November 2019.
3. Sleep Down Under-2019, at Sydney Australia on 16-19th October 2019.
4. CME Indian Academy of Tropical Parasitology at AIIMS, Jodhpur, 5th -6th April 2019

**Training:**

1. Completed the cognitive & skills evaluations curriculum of the AHABLS program conducted by AHA, at AIIMS Jodhpur in May 2019

**Others:**

1. Appointed as a Subject Expert for Selection of Faculty at KGMU, Lucknow (UP)
2. Appointed as a Subject Expert for Selection of Faculty at AIIMS, Gorakhpur (UP)
3. Appointed as Expert to develop animal House at IIT Jodhpur

**Name of Faculty: Dr. Surjit Singh**

**Designation: Additional Professor**

**Books/Chapters:**

1. Misra A, Singh S, Sharma PK, Ambwani S, Varma SK. Oxidant/Antioxidant Imbalances in Huntington's Disease. In: Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Diseases by NOVA Science Publishers, Inc. New York, USA

**Papers Presented:**

1. Singh S, Bhansali A. Randomized Placebo Control Study of Metformin in Psoriasis patients with Metabolic Syndrome. 2019 International Congress of Diabetes and Metabolism, 10<sup>th</sup> – 12<sup>th</sup> October 2019. Korean Diabetes Association, Seoul, Korea.

**Resource Faculty:**

1. Resource faculty for “American Heart Association (AHA) Certified BLS and ACLS Provider Course” to participants. IAMS, American International Institute of Medical Sciences; 13<sup>th</sup> - 15<sup>th</sup> March 2020 Udaipur, Rajasthan.
2. Resource faculty for AHA Certified BLS ACLS Instructor Course; November 2019, AIIMS Jodhpur

**Research Projects:****Ongoing:****As Principal Investigator:**

1. A cross sectional survey of knowledge, attitude and practice of clinical research principles among doctors in tertiary care hospital.
2. Knowledge, Attitude, and the Practice (KAP) of Pharmacovigilance among the healthcare professionals in a tertiary care hospital in Rajasthan, India.

**Completed:****As Principal Investigator:**

1. Post-operative bleeding in patients on Aspirin therapy regimens: An Observational Study. AIIMS Jodhpur

**Examinerships:**

1. External Examiner for the conduct of Final M.B.B.S Examination. NHL Medical College, Ahmedabad, conducted by Gujarat University, 3<sup>rd</sup> - 5<sup>th</sup> February 2020

**Membership/ Post in Journal or Society or Association :**

1. Membership; The American College of Clinical Pharmacology.

**National/ International Conferences attended:**

1. 2019 International Congress of Diabetes and Metabolism. Korean Diabetes Association, Seoul, Korea, 10<sup>th</sup> – 12<sup>th</sup> October 2019.
2. ATLS Provider course. Department of Surgery, AIIMS Jodhpur, India, 28<sup>th</sup> - 30<sup>th</sup> November 2019.
3. Workshop on Clinical Trials: Basics and Specialised Topics. Clinical Epidemiology Unit, Biostatistics Resource and Training centre, Christian Medical College, Vellore, India, in collaboration with the Department of Health Research Methods, Evidence, and Impact (previously Clinical Epidemiology and Biostatistics) at McMaster University, Ontario, Canada, 16<sup>th</sup> -18<sup>th</sup> October 2019.
4. 3rd National Workshop on R for Basic Biostatistics – NAWORB. All India Institute of Medical Sciences, Bhuvneshwar, India, 24<sup>th</sup> – 27<sup>th</sup> September 2019.

**Any other information:**

1. Responsible for full-fledged and smooth functioning of “Adverse Drug Monitoring Centre” (AMC) in the Department.

**Name of Faculty: Dr. Pradeep Dwivedi**

**Designation: Associate Professor**

**Papers Presented:**

1. Dwivedi P, Shukla RG, Mandal S, Garg P, Charan J, Singh S, Sharma PK, Ambwani S. Metabolic Syndrome & Endothelial Dysfunction. 8<sup>th</sup> International Congress on Lipid & Atherosclerosis (ICoLA); 05<sup>th</sup> - 07<sup>th</sup> September 2019, Seoul, South Korea. (Poster presentation)
2. Dwivedi P, Yadav SS, Hussain S, Pant KK, Usman K, Khattri S. Effect of Sitagliptin on lipid and adipokine level in type 2 diabetes mellitus. 42nd Annual Scientific Meeting of the European Lipoprotein Club (ELC), 09<sup>th</sup> -12<sup>th</sup> September 2019, Tutzing, Germany. (Poster presentation)

**Sessions Chaired:**

1. Chaired a scientific session on “Newer assessment methods for Competency-Based Education” in CME cum Workshop on Competency-Based Medical Education in Paediatrics: Challenges & Opportunities held; 3<sup>rd</sup> Nov 2019, AIIMS Jodhpur.
2. Chaired a scientific session on “Tribal Health-Hunger, Food, and Nutrition Security, Dietary habits”. National Conference on Tribal Health Research-Issues, Challenges & Opportunities ;19<sup>th</sup> -21<sup>st</sup> Sep 2019, Loni, Maharashtra.

**Research Projects:**

**Ongoing:****As Co-Investigator:**

1. Research on Indigenous population of district Sirohi (Rajasthan)- A collaborative project of AIIMS Jodhpur & Ministry of Tribal Affairs, Govt. of India. Extramural (49.62 Lakhs)-Ministry of Tribal Affairs
2. Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan. Extramural (~29 Lakhs)-ICMR

**Completed:****As Principal Investigator:**

1. Correlation of circulating endothelial progenitor cell with endothelial function in cases with metabolic syndrome. (Intramural- 2 lakh), AIIMS Jodhpur

**Examinership:**

1. 2<sup>nd</sup> professional M.B.B.S. Examination, AIIMS, Jodhpur, 19<sup>th</sup> -21<sup>st</sup> Dec 2019.
2. 2<sup>nd</sup> Professional M.B.B.S. Supplementary Examination, AIIMS, Jodhpur, 28<sup>th</sup> Feb 2020.

**Membership/Post in Journal or Society or Association**

1. Member; Indian Society of Clinical Research (ISCR)
2. Member; European Atherosclerosis Society (EAS)
3. Member; American Diabetes Association (ADA)

**Scientific Awards/Patents:**

1. Travel Grant (500 USD) for attending 8<sup>th</sup> International Congress on Lipid & Atherosclerosis (ICoLA), Seoul, Korea, 05<sup>th</sup> -07<sup>th</sup> Sep 2019. (through the Young Investigator Program of KSoLA)

**National/ International Conferences attended:**

1. Workshop on Therapeutic Drug Management organized by Dept. Pharmacology & Clinical Pharmacology & Hematology, Christian Medical College, Vellore, 3<sup>rd</sup>-6<sup>th</sup> March 2020.
2. Workshop on Research Methodology in Pharmacogenomics, organized by Dept. of Pharmacology, JIPMER Puducherry, 18<sup>th</sup>-19<sup>th</sup> Nov. 2019.
3. Hands-on Basic Techniques in Molecular Biology & Pharmacogenomics organized by Dept. of Pharmacology, JIPMER Puducherry, 20<sup>th</sup>-22<sup>nd</sup> Nov. 2019.
4. INDO-SWISS SYMPOSIUM on "Advances in Pharmacogenomic Strategies for Implementation of Personalized Medicine" organized by Dept. of Pharmacology, JIPMER Puducherry, 23<sup>rd</sup> Nov. 2019.
5. 7<sup>th</sup> National Conference on Paediatric Education, organized by Dept. of Pediatrics AIIMS Jodhpur, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019.
6. National Conference on "Tribal Health Research- Issues, Challenges & Opportunities"-TRIBECON, organized by Pravara Institute of Medical Sciences, Loni, Maharashtra, 19<sup>th</sup> -21<sup>st</sup> Sep 2019.

**Name of Faculty: Dr. Jaykaran Charan**

**Designation: Associate Professor**

**Books/Chapters:**

1. Charan J, Bhardwaj P, Ryavanki S, Saxena D. How to choose statistical tests in medical and pharmacy research. Self-Published in Kindle. First Edition. <https://www.amazon.in/Choose-Statistical-Medical-Pharmacy-Research-ebook/dp/B084HDV25B>

**Papers Presented:**

1. Charan J. Mismatch between disease burden and clinical trials in India. 51<sup>st</sup> Annual Conference of Indian Pharmacological Society [IPS], Hyderabad. 5<sup>th</sup> - 7<sup>th</sup> December 2019.
2. Charan J, Ram H, Purohit A, Ambwani S, Dwivedi P. HMG CoA inhibitory properties of anti-diabetic herbal plant Acacia Senegal. ICDM, Seoul, South Korea. 10<sup>th</sup> -12<sup>th</sup> Oct 2019.

**Sessions Chaired:**

1. 7<sup>th</sup> National Conference on Pediatric Education. 3<sup>rd</sup> -5<sup>th</sup> Nov 2019. [Convener]

**Resource Faculty:**

1. Workshop on protocol design and introduction to evidence based medicine for PGs (MD/MS/DM/Mch) and Ph.D. 23<sup>rd</sup> -24<sup>th</sup> Sept 2019.

**Research Projects:****Ongoing:****As Principal Investigator:**

1. Assessment of hypocholesterolemic and antiatherosclerotic effect of various extracts of Acacia senegal seeds in experimentally induced atherosclerotic rabbits.
2. Pharmacotherapy of resistant hypertension in adults – Cochrane Review.

**As Co-Investigator:**

1. Interventions for treating antibody-mediated acute rejection in kidney transplant Recipients

**Completed:****As Principal Investigator:**

1. Perception of physicians, pharmacists and patients about the prescription of generic drugs in Patan city – ICMR

**Scientific Awards/Patents:**

1. Travel Grant –International Congress of Diabetes Metabolism (ICDM 2018) – Seoul, South Korea. 10<sup>th</sup> - 12<sup>th</sup> Oct 2019

**Examiner ship:**

1. UG Examination at Government Medical College, Surat, 1<sup>st</sup> - 5<sup>th</sup> Jan 2020

**National/ International Conferences attended:**

1. 51<sup>st</sup> Annual Conference of Indian Pharmacological Society [IPS], Hyderabad. 5<sup>th</sup> to 7<sup>th</sup> December 2019.
2. Pre Conference workshop on Natural Product Screening and Libraries. 4<sup>th</sup> Dec 2019. IPSCON Hyderabad.
3. ICDM, Seoul, South Korea. 10-12 Oct 2019.
2. National Symposium on poisoning as a public health problem. New Delhi. 26<sup>th</sup> April 2019.
3. 15<sup>th</sup> Asia – Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress. 17<sup>th</sup> -20<sup>th</sup> Nov 2019.
4. One day regional training programmer for admin users of PDS (URKUND) – 29<sup>th</sup> Aug 2019.
5. 7<sup>th</sup> National Conference on Pediatric Education. 3<sup>rd</sup> -5<sup>th</sup> Nov 2019.

**Name of Faculty: Dr Shoban Babu Varthya**

**Designation: Assistant Professor**

**Research Project:**

**Ongoing:**

**As Principal Investigator :**

1. "Efficacy of Sulphonylureas in patients with polymorphism in KCNJ11-ABCC8 genetic locus: A prospective cohort study in T2DM patients in western Rajasthan". Extramural (~29 Lakhs)-ICMR

**Membership/Post in Journal or Society or Association:**

1. Member; Indian Pharmacological Society.

**National/ International Conferences attended:**

1. Workshop on "Suicide Prevention and Safety Planning: How we can Help" Organized by department of Psychiatry, AIIMS Jodhpur, 11<sup>th</sup> October 2019.
2. Session on Research & Funding Opportunities, organized by the Wellcome Trust DBT India Alliance in collaboration with IIT Jodhpur. IIT Jodhpur, 6<sup>th</sup> January 2020.

**Additional Information:**

1. Member of "Committee for Tribal Health and Research" (CTHR)

## Department of Physical Medicine and Rehabilitation

S.No.	Name	Designation
1	Dr. Ravi Gaur (Faculty)	Associate Professor Department of Physical Medicine & Rehabilitation
2	Dr. Nitesh Manohar Gonnade (Faculty)	Assistant Professor Department of Physical Medicine & Rehabilitation

### About the Department:

The Department of Physical Medicine and Rehabilitation at AIIMS Jodhpur has grown and shown steady progress in all aspects including patient care, training and research.

PMR block department has extended its services in various sections of neuro-rehab, Multi-disciplinary approach for pain management, musculoskeletal rehab, paediatric and cardio pulmonary rehabilitation.

### Eminent Visitors:

#### International Faculty:

1. Dr. Helen Gharaei (Iran)
2. Dr. Rohedi Yosi Asmara (Indonesia)
3. Dr. Saulius Rutkauskas (Lithuania)
4. Dr. Ahmed Abogamal (Duabi)
5. Dr. Yen-chih Chen (Taiwan)

#### National Faculty:

1. Dr. Neeraj Jain
2. Dr. Madhan Mangala Pandian
3. Dr. Anand Murugesan
4. Dr. Sreejith K
5. Dr. Sourav Iswarari
6. Dr. Nitesh Manohar Gonnade
7. Dr. Shehadad.K
8. Dr. Neeraj Mehta
9. Dr. Vaibhav Lokhande
10. Dr. Suvinay Saxena
11. Dr. Ashish Chakravarty

**Name of Faculty: Dr. Ravi Gaur**  
**Designation: Associate Professor**

**Invited Lectures**

1. Peripheral Nerve Injury Rehabilitation. Annual Midterm CME of IAPMR 2019; 20<sup>th</sup>-22<sup>nd</sup> September 2019, AIIMS Rishikesh, Uttarakhand.
2. Upper limb orthosis. National PMR Refresher Course-2019; 11<sup>th</sup> October 2019, Jaipur, Rajasthan.

**Symposium Speaker**

1. Rehab after knee ligament surgery. Jodhpur Arthroscopy Symposium 2019; 20<sup>th</sup> -21<sup>st</sup> December 2019, Department of Orthopaedics, AIIMS, Jodhpur.

**Resource Faculty:**

1. As Organizing chairperson and faculty. 1st Interventional Physiatry update, April 2019.
2. As Organizing Chairperson in Radiofrequency ablation. 1<sup>st</sup> international workshop on Ultrasonographic Pain Medicine WUPM-2019; October 2019, AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Efficacy of dexamethasone versus triamcinolone injection in patients with carpal tunnel syndrome, a randomized control trial (**Academic Junior Resident Research project, ethically approved**)

**As Co-Investigator**

1. Clinical Effectiveness of Ayurvedic and Modern Medical Treatment in Symptomatic Knee Osteoarthritis an open label randomized controlled trail. (Submitted for approval)

**Examinership**

1. External Examiner for the practical Examination of BPT 3rd year & BPT 4th year in the subjects Clinical Rehabilitation 1 & Clinical Rehabilitation 2, SLNG Institute of Physiotherapy, Jodhpur, 15<sup>th</sup> June 2019.

**Membership/Post in Journal or Society or Association**

1. Editorial board; PMR BUZZ
2. Member; The International Association for the Study of Pain (IASP)

**National/ International Conferences attended:**

1. Annual Midterm CME (Pre conference workshop), The Indian Association of Physical Medicine & Rehabilitation (IAPMR), AIIMS, Rishikesh, Uttarakhand, 20<sup>th</sup> -22<sup>nd</sup> September 2019.
2. National PMR Refresher Course-2019, Department of PMR, Rehabilitation Research Center (RRC), S. M. S. Medical College, Jaipur, 10<sup>th</sup> – 12<sup>th</sup> October 2019.
3. Arthroscopy Symposium, Department of Orthopedics, AIIMS, Jodhpur, 20<sup>th</sup> – 21<sup>st</sup> December 2019.
4. Cadaveric flap dissection course, Department of Burns & Plastic Surgery & Department of Anatomy, AIIMS, Jodhpur, 8<sup>th</sup> -9<sup>th</sup> November 2019.



**Dr. Nitesh Manohar Gonnade**  
**Assistant Professor**

**Symposium Speaker**

1. Rehab after knee ligament surgery. Jodhpur Arthroscopy Symposium 2019, 20<sup>th</sup> -21<sup>st</sup> December 2019, Department of Orthopaedics, AIIMS, Jodhpur.

**Resource Faculty:**

1. As organizing secretary and faculty on Radiofrequency ablation. 1st Interventional Physiatry update, April-2019
2. As Organizing secretary and Faculty. 1st international workshop on Ultrasonographic Pain Medicine WUPM-2019; October-2019, AIIMS Jodhpur.

**Research Project:**

**Ongoing:**

**As PI-Investigator**

1. Clinical Effectiveness of Ayurvedic and Modern Medical Treatment in Symptomatic Knee Osteoarthritis an open label randomized controlled trail.

**Completed:**

**As PI-Investigator**

1. Effect of steroid vs steroid mixed with Hyaluronidase in management of CTS.

**Examinership**

1. Bachelor of Physiotherapy final year in clinical rehabilitation. MGH hospital, May 2019 and October 2019.

**Membership/Post in Journal or Society or Association**

1. Member; The International Association for the Study of Pain (IASP).

**National/ International Conferences attended:**

1. 48th Annual National Conference of Physical Medicine and Rehabilitation IAPMRCON 2020, Calicut, Kerala, 16<sup>th</sup> -20<sup>th</sup> January 2020.

**Any other information:**

1. Observership in South korea for Interventional Pain Fellowship for further enhancement in pain management and rehabilitation skills.

**Workshops/ Conferences Organized**

1. Radiofrequency ablation in pain management. Department of Physical Medicine and Rehabilitation & Department of Radiology, DSA Lab (AIIMS, Jodhpur), 27<sup>th</sup> April 2019



Hands-on training session in progress

The Organizing team

2. Workshop on Ultrasonographic Pain Medicine (WUPM-2019). Department of Physical Medicine and Rehabilitation & Department of Anatomy, AIIMS Jodhpur, 19<sup>th</sup> – 20<sup>th</sup> October 2019



Enthusiastic Participants



Eminent speakers who graced the occasion

## Department of Physiology

S.No.	Name	Designation
1	Dr. Sabyasachi Sircar	Professor & Head
2	Dr. Rajesh Kumar Sharma	Professor
3	Dr. Abhinav Dixit	Additional Professor
4	Dr. Bharati Mehta	Additional Professor
5	Dr. Om Lata Bhagat	Additional Professor
6	Dr. Prasunpriya Nayak	Associate Professor
7	Dr. Shival Srivastav	Assistant Professor
8	Dr. Pooja Ojha	Assistant Professor
9	Dr. Archana Gaur T	Assistant Professor

### About the Department

The Department of Physiology at AIIMS Jodhpur is a rapidly progressing department of the institute. It comprises 9 faculty members, 4 senior residents and 9 post graduate students (including M.D. and MSc). Besides teaching and training of undergraduate (MBBS and BSc Nursing) and postgraduate students, the department is actively involved in research and clinical investigations.

Undergraduate teaching is imparted through conventional didactic lectures as well as seminars, tutorials and small group discussions. Students are given exposure to clinically important case scenarios through horizontal and vertical integration with other departments. Coordination of theory lectures with the practicals in clinical and hematology laboratories provides a better understanding of the topic. Students regularly interact with their faculty mentors and are encouraged to develop an understanding of research through ICMR Short term studentship projects. Formative assessments are conducted in the form of mid semester and semesters exams followed by the final summative professional exams. Medical education of undergraduates and postgraduates during pandemic COVID-19 has remained unhampered due to Improved innovative online teaching modality of Google Classroom.

Postgraduate teaching is imparted through regular seminars, journal clubs, practical presentations and group discussions. Besides they are working on research areas like sleep quality in Breast cancer patients, Polysomnographic studies, Cognition in chronic kidney and Psychiatric disease patients and Intraoperative Neurophysiological monitoring in various conditions. Department of Physiology has been privileged to produce the first candidate with M.D. degree from our AIIMS Jodhpur Institute in the academic year 2019-2020. Also, our post graduate student bagged the most coveted "R Shrinivasan" prize for 'Best paper by a postgraduate student' at the National conference of Physiology APPICON 2019 held at Guwahati.

The faculty of the department have been exemplary in every role, be it a mentor, teacher or researcher. Their research projects have received grants from intramural and several extramural funding agencies like ICMR. They attended conferences and workshops as invited speakers, resource faculties, symposia convener, panelists and have also received prizes for paper presentation. They are contributing as members and hold important positions in various national and international scientific bodies.

Besides teaching and research, the department of Physiology also caters to laboratory investigation services for the patients. There is a fully functional Autonomic Function Test Laboratory and a quality Lab for testing cognitive abilities and Evoked Potentials. The Department provides Intraoperative Neurophysiological monitoring (IONM) services to various surgical departments. In the past academic year, the department has witnessed an inflation in infrastructure from a wise and timely procurement of latest equipments. A State-of-the-art animal research laboratory and an Electroencephalographic laboratory for teaching and research are fully functional in the department.

**Compiled list of Publications of the department:****Papers****Pubmed Indexed:**

1. Ravichandran S, Srivastav S, Kamble PH, Chambial S, Shukla R, Sharma P, Sharma RK. VEGF-A and cardiac autonomic function in newly diagnosed type 2 diabetes mellitus: A cross-sectional study at a tertiary care center. *J Fam Med Prim Care* 2019;8(10):3185–90
2. Dixit A, Srivastav S. Commentary on Viewpoint: “Muscle Memory” not mediated by Myonuclear Number? Secondary Analysis of Human Detraining Data. *J Appl Physiol* 2019; 127: 1818
3. Datta K, Nebhinani N, Dixit A. Performance Differences in Hindi and English Speaking Bilinguals on Stroop Task. *J Psycholinguist Res* 2019; 48: 1441-48.
4. Mehta B, Bhandari B, Singhal A, Mavai M, Dutt N, Raghav P. Screening asymptomatic school children for early asthma by determining airway narrowing through peak expiratory flow rate measurement. *J Educ Health Promot* 2020; 9:72
5. Swaminathan A, Balaguru UM, Manjunathan R, Bhuvanewari S, Kasiviswanathan D, Sirishakalyani B, Nayak P, Chatterjee S. Live imaging and analysis of vasoactive properties of drugs using an in-ovo chicken embryo model: Replacing and reducing animal testing. *Microsc Microanal* 2019; 25(4):961-970
6. Mishra A, Sharma R, Mittal P, Kapoor R, Srivastav S. Evaluating exercise challenge to validate cardiac autonomic dysfunction in lean PCOS phenotype. *J Basic Clin Physiol Pharmacol* 2019;30(4)
7. Subramanian SK, Sharma VK, Arunachalam V, Rajendran R, Gaur A. Comparison of Baroreflex Sensitivity and Cardiac Autonomic Function Between Adolescent Athlete and Non-athlete Boys – A Cross-Sectional Study. *Front. Physiol* 2019; 10:1043

**Non-Pubmed Indexed:**

1. Gadhvi M, Singhal A, Sharma G, Kamble P, Gupta U, Garg M, Garg P, Mohammed S, Sharma RK, Jha D. Intraoperative Neurophysiological Monitoring (IONM) of Proximal Occlusion of Vertebral Artery in Arteriovenous Malformation: A Case Report. *Indian J Physiol Pharmacol* 2020; 64(1):11–16
2. Datta K, Nebhinani N, Dixit A. Gender differences in performance on Hindi-English Stroop task. *Ind J Physiol Pharmacol* 2020; 64(1):45-49.
3. Goyal S, Dixit A, Vaney N, Madhu SV. Effect of Hypothyroidism on Cognitive status: Evidence from Stroop Task. *Indian J Med Spec* 2020; 11:34-39.
4. Datta K, Dixit A. Stroop task as a tool to understand bilingualism: A Review. *Ind J Appl Res* 2019; 9(4): 72-76.
5. Bhandari B, Kumar A, Mehta B. Correlation Between Rate Pressure Product and Severity of Chronic Obstructive Pulmonary Disease. *International Physiology* 2019 Aug;7(2):61-65
6. Bhandari B, Mavai M, Singh YR, Mehta B, Bhagat OL. Rhythmic Breath Holding and Its Effect on Arterial Blood Pressure and Its Correlation With Blood Gases. *Acta Medica Iranica* 2019;57(8):492-498
7. Vyas N, Vyas A, Maheshwari S, Singhal A, Mehta B. Cardiovascular Status in Newly Detected Chronic Kidney Disease Patients. *Int J of Med Res & Health Sci* 2019;8(8): 46-49
8. Mehta B, Vyas A, Bhandari B, Parakh M. Association Between Childhood Seizures and Speech and Language Impairment. *Br J Med Health Res* 2019; 6(03)
9. Nayak P. Aluminium – a potentiator of multiple evils. *Indian J Physiol Pharmacol* 2019;63(4):259-262
10. Gaur A, Pal GK, Pal P. Effect of Ventromedial Hypothalamus on food intake, body weight, insulin resistance, lipid profile and thyroid profile in High-Fat diet obese Female Wistar rats. *IJOP*, 2019;7(4):27-34

**Name of Faculty: Dr. Sabyasachi Sircar**

**Designation: Professor & Head**

**Name of Faculty: Dr. Rajesh Kumar Sharma**

**Designation: Professor**

**Papers Presented:**

1. Sharma R, Sharma P, Sharma S, Ravichandran S, Kamble P, Singhal A. Vitamin D and Cardiac Autonomic Neuropathy in newly diagnosed Type 2 Diabetics: A pilot study. 23rd IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, 20<sup>th</sup> May 2019, Barcelona International Convention Centre, Barcelona.

**Examinership**

1. MD Physiology. MGM Medical College, Aurangabad, 16<sup>th</sup>-17<sup>th</sup> April 2019
2. Diplomate of National Board (DNB). Bangalore Medical College, Bangalore, 11<sup>th</sup>-12<sup>th</sup> April 2019
3. Postdoctoral examination. Bangalore Medical College, Bangalore, 11<sup>th</sup>-12<sup>th</sup> April 2019
4. MBBS First Professional examination. Jaipur National University Institute of Medical Science and Research Centre (JNUIMSRC), Jaipur, 10<sup>th</sup>-13<sup>th</sup> July 2019
5. MBBS First Professional Examination. AIIMS, Patna, 25<sup>th</sup>-28<sup>th</sup> July 2019
6. MBBS Supplementary Examination. AIIMS, Patna, 30<sup>th</sup> Sep 2019

**National/ International Conferences attended:**

1. 23<sup>rd</sup> IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, MZ Congress, Barcelona, 19<sup>th</sup> - 23<sup>rd</sup> May 2019
2. Current series of validation/moderation workshops of MCQ Question Bank. National Board of Examinations office, New Delhi, 22<sup>nd</sup> April 2019
3. Collaboration with Ministry of Health of Sweden and AIIMS, Jodhpur. Stockholm, Sweden, 11<sup>th</sup> - 15<sup>th</sup> June 2019

**Name of Faculty: Dr. Abhinav Dixit**

**Designation: Additional Professor**

**Papers Presented:**

1. Patel D, Bhagat OL, Dixit A, Sharma R. Autonomic responses to Emoji based Emotional Stroop Task. National Conference of Association of Physiologists and Pharmacologists of India, 26<sup>th</sup>-30<sup>th</sup> Nov 2019, Gauhati Medical College, Guwahati, Assam
2. Datta K, Nebhinani N, Dixit A. Gender differences in performance on Hindi-English Stroop task. 6<sup>th</sup> International and 8<sup>th</sup> Indian Psychological Science Congress, 18<sup>th</sup>-20<sup>th</sup> Oct 2019, Panjab University, Chandigarh

**Sessions Chaired:**

1. Ethics and Professionalism, 7<sup>th</sup> National Conference on Paediatric Education, Department of Paediatrics, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019, AIIMS Jodhpur
2. Panel discussion: Opportunities and Challenges in Competency Based Education, 7<sup>th</sup> National Conference on Paediatric Education, Department of Paediatrics, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019, AIIMS, Jodhpur
3. Resolving Lab Puzzles, 15<sup>th</sup> Asia- Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress, 17<sup>th</sup>-20<sup>th</sup> Nov 2019, JECC, Jaipur

**Invited Lectures**

1. Bio potentials and Machine Learning, Faculty Development Program, 12<sup>th</sup> Sep 2019, MBM Engineering College, Jodhpur
2. Panel Discussion on "How we can design Physiology curriculum using blended Learning", at CME cum Workshop on "Digital Blended Learning in Medical Physiology", 29<sup>th</sup> June 2019, AIIMS, Nagpur

**Research Project:****Ongoing:****As Co-Investigator**

1. "EEG Neurofeedback Training for Optimal Performance". Indian Institute of Technology, Collaborative project with Indian Institute of Technology (IIT), Jodhpur

**Completed:****As Principal Investigator**

1. "Effect of language on performance on color word Stroop task: An evoked potential study", Indian Council of Medical Research

**Examinership**

1. MD (Physiology). AIIMS, Jodhpur, 24<sup>th</sup>-25<sup>th</sup> June 2019
2. MBBS Professional Examination. Government Medical College, Pali, 11<sup>th</sup> Oct 2019
3. M.Sc. (Med) Physiology. SN Medical College, Jodhpur, 11<sup>th</sup> Nov 2019

**Membership/Post in Journal or Society or Association**

1. Society Representative; The Physiological Society, UK
2. Member; The Physiological Society, UK
3. Member; American Physiological Society
4. Senior Editor; Indian Journal of Medical Specialties

**National/ International Conferences attended:**

1. 15<sup>th</sup> Asia- Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress. Asia Pacific Federation of Clinical Biochemistry, Jaipur Exhibition and Convention Center, Jaipur 17<sup>th</sup>-20<sup>th</sup> Nov 2019.
2. 7<sup>th</sup> National Conference on Pediatric Education. Organized by Department of Pediatrics, AIIMS Jodhpur, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019.
3. CME cum Workshop on "Digital Blended Learning in Medical Physiology". Organized by Department of Physiology, AIIMS Nagpur, 29<sup>th</sup> June 2019

**Name of Faculty: Dr. Bharati Mehta**

**Designation: Additional Professor**

**Papers Presented:**

1. Mehta B, Kamble P, Gadhvi M. Correlation of self-reported sleep duration with working memory of teenagers. Sleep DownUnder 2019, 16<sup>th</sup>-19<sup>th</sup> Oct 2019, ICC, Sydney

**Symposium Speaker**

1. Role of Feedback in Medical Education. FIPS Congress, 27<sup>th</sup>-29<sup>th</sup> Sep 2019, ESIC Medical College and Hospital, Faridabad

**Resource Faculty:**

1. Pubmed search and Reference management. Guest speaker, 22<sup>nd</sup> June 2019, JLN Medical College, Ajmer
2. AETCOM Workshop. NCPE, 3<sup>rd</sup>-5<sup>th</sup> Nov 2019, AIIMS, Jodhpur
3. Leadership challenges in academia: Panel discussant at WISE India, 6<sup>th</sup>-7<sup>th</sup> March 2020, NIMHANS, Bengaluru

**Research Project:****Ongoing:****As Principal Investigator**

1. Prevalence of Metabolically Healthy Obese (MHO) and its association with Sleep Quality in Obese Adults of Jodhpur. Intramural Project funded by AIIMS, Jodhpur

**As Co-Investigator**

1. Impact of implementation of the healthy workforce model (Integration of Occupational Health Services in Primary Health Care) to improve preventive measures of Silicosis among workers exposed to silica sand in mines of rural Jodhpur. Intramural Project funded by AIIMS, Jodhpur

**Completed:****As Principal Investigator**

1. Crossword Puzzles for Understanding Concepts of Renal Physiology.

**Scientific Awards/Patents**

1. Bharat Vikas Award. Institute of Self-Reliance, 14<sup>th</sup> December 2019

**Examinership**

1. MSc. Medical Physiology. JLN Medical College, Ajmer 21<sup>st</sup> June 2019
2. MBBS First Professional Examination. SMS Medical College, Jaipur 22<sup>nd</sup> - 25<sup>th</sup> July 2019
3. Set the question paper for MBBS First Professional Examination, Subject Expert. KGMU, Lucknow
4. MBBS First Professional Examination. KGMU, Lucknow, 17<sup>th</sup>-21<sup>st</sup> August 2019

**Membership/Post in Journal or Society or Association**

1. Member; APS
2. Life Member; ISSR

**National/ International Conferences attended:**

1. FIPS Congress 2019. Organized by Department of Physiology, EISEC Medical College and Hospital, Faridabad, 26<sup>th</sup>-29<sup>th</sup> Sep 2019
2. Sleep DownUnder 2019. Organized by Australasian Sleep Association, ICC, Sydney, Australia, 16<sup>th</sup>-19<sup>th</sup> Oct 2019
3. NCPE. Organized by Department of Pediatrics, AIIMS, Jodhpur 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019
4. WISE India. Organized by the Departments of Neurophysiology & Neuromicrobiology, NIMHANS, Bengaluru, 6<sup>th</sup>-7<sup>th</sup> March 2019



**Name of Faculty: Om Lata Bhagat**

**Designation: Additional Professor**

**Papers Presented:**

1. Bhagat OL, Deepak KK. Acute effect of volitional breathing without and with minimal inspiratory resistance on heart rate variability. Physiology-2019 (annual conference of The Physiological Society, UK), 8<sup>th</sup>-10<sup>th</sup> July 2019, Aberdeen Exhibition and Conference Centre (AECC), Bridge of Don, Aberdeen, AB23 8BL, UK.

**Resource Faculty:**

1. Pre-conference workshop on Exercise Physiological Techniques in the Lab and Field. 65th APPICON-2019, 26<sup>th</sup> - 30<sup>th</sup> Nov 2019, Department of Physiology, Gauhati Medical College, Guwahati
2. Pre-conference workshop on Editorial 101 for Authors and Reviewers: Peer Review. 65th APPICON-2019, 26<sup>th</sup> - 30<sup>th</sup> Nov 2019, Department of Physiology at Gauhati Medical College, Guwahati
3. Pre-conference workshop on Exercise Physiology testing in the Lab and Field. ASSOPICON 2019, 11<sup>th</sup> - 14<sup>th</sup> Sep 2019, JSS Medical College, Mysuru, Karnataka

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Development of Animal Model to Simulate Valsalva Maneuver; Intramural project-AIIMS, Jodhpur

**Examinership**

1. MBBS First Professional Examination in Physiology including Biophysics. Dr. S.N. Medical college & Hospital, Jodhpur, 24<sup>th</sup> - 27<sup>th</sup> July 2019.

**Name of Faculty: Dr. Prasunpriya Nayak**

**Designation: Associate Professor**

**Sessions Chaired:**

1. Young Scientist Award Session, XXXI Annual Conference of the Physiological Society of India (PHYSICON-2019), 15<sup>th</sup> -17<sup>th</sup> Nov 2019, Department of Physiology, Bankura Christian College, Bankura – 722101, West Bengal.
2. Poster Session, XXXI Annual Conference of the Physiological Society of India (PHYSICON-2019), 15<sup>th</sup> - 17<sup>th</sup> Nov 2019, Department of Physiology, Bankura Christian College, Bankura, West Bengal.

**Plenary Lectures**

1. Introspecting Physiology curriculum: Medial Science *Vis-à-vis* Basic Science. XXXI Annual Conference of the Physiological Society of India (PHYSICON-2019), 15<sup>th</sup> -17<sup>th</sup> Nov 2019, Department of Physiology, Bankura Christian College, Bankura – 722101, West Bengal.

**Symposium Speaker**

1. Teaching and researching in medicine: Physiologists role. XXXI Annual Conference of the Physiological Society of India (PHYSICON-2019), 15<sup>th</sup> -17<sup>th</sup> Nov 2019, Department of Physiology, Bankura Christian College, Bankura – 722101, West Bengal.

**Research Project:****Ongoing:****As Principal Investigator**

1. Peripubertal Neurodegeneration in Female Rats by Aluminium Exposure, AIIMS, Jodhpur.

**As Co-Investigator**

1. In vitro evaluation for pro-healing modifications of endothelial cells by *Prosopis Cineraria*, a locally available conventional promoter of wound healing. AIIMS, Jodhpur
2. Development of animal model to stimulate Valsalva maneuver, AIIMS, Jodhpur

**Examinership**

1. MBBS First Professional Examination. Midnapore Medical College, Midnapore, West Bengal, 22<sup>nd</sup>- 26<sup>th</sup> July 2019
2. PhD, Tanta University, Shriganganagar, Rajasthan, 16<sup>th</sup> August 2019

**Membership/Post in Journal or Society or Association**

1. Life Member; Society for Nitric Oxide and Allied Research (SNOAR)
2. Vice President; Physiological Society of India (PSI).

**National/ International Conferences attended:**

1. AETCOM – How to teach and evaluate, Pre-Conference workshop at 7<sup>th</sup> National Conference on Pediatric Education. Organized by Department of Pediatrics, AIIMS, Jodhpur, 3<sup>rd</sup> Nov 2019
2. Competency Based Medical Education from learning to doing. 7<sup>th</sup> National Conference on Pediatric Education. Organized by Department of Pediatrics, AIIMS, Jodhpur, 3<sup>rd</sup> - 5<sup>th</sup> Nov 2019
3. GIAN Course on “Engineering Strategies to Restore the Nervous System”. Department of Biotechnology, IIT Guwahati, 2<sup>nd</sup> -13<sup>th</sup> Dec 2019

**Name of Faculty: Dr. Shival Srivastav**

**Designation: Assistant Professor**

**Symposium Speaker**

1. Recent advances in Non-Invasive Assessment of Vascular function. 65th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON-2019). Organized by Gauhati Medical College, Guwahati, Assam, 30<sup>th</sup> Nov 2019

**Resource Faculty:**

1. Autonomic function test. 65th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON-2019), Organized by Gauhati Medical College, Guwahati, Assam, 27<sup>th</sup> Nov 2019.

**Examinership**

1. Bachelor of Physiotherapy. Dr. S N Medical College, Jodhpur. 18<sup>th</sup> May 2019
2. Bachelor of Physiotherapy. Dr. S N Medical College, Jodhpur, 27<sup>th</sup> Sep 2019

**Membership/Post in Journal or Society or Association**

1. Life Member, Indian Academy of Neurosciences

**National/ International Conferences attended:**

1. 65th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON-2019). Organized by Department of Physiology and Pharmacology, Gauhati Medical College, Guwahati, Assam, 26<sup>th</sup>-30<sup>th</sup> Nov 2019
2. Workshop on “Editorial 101 for authors and reviewers” at 65th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON-2019). Organized by Department of Physiology and Pharmacology, Gauhati Medical College, Guwahati, Assam, 27<sup>th</sup> Nov 2019

**Name of Faculty: Dr. Pooja Ojha**

**Designation: Assistant Professor**

**Papers Presented:**

1. Ojha P, Malhotra V. Implications of Body Fat Percentage on Clinical Characteristics of Migraine. Sixth National conference of Association of Physiologists of India; 12<sup>th</sup> -14<sup>th</sup> Sep 2019, JSS Medical College, Mysore

**Research Project:****Ongoing:****As Principal Investigator**

1. Electroencephalographic Analysis in Migraine clinical phenotypes, [Non-funded]

**Scientific Awards/Patents**

1. Second Prize for best paper presentation. Sixth Annual National conference of Association of Physiologists of India, 12<sup>th</sup> -14<sup>th</sup> Sep 2019

**Membership/Post in Journal or Society or Association**

1. Member; International Headache Society
2. Member; American Clinical Neurophysiology Society
3. Member; American Headache Society
4. Member; Indian Academy of Neuroscience
5. Member; The Physiological Society, UK
6. Member; American Physiological Society

**National/ International Conferences attended:**

1. The Third Hematology Update. Organized by Department of Pathology, AIIMS, Jodhpur, 28<sup>th</sup> July 2019
2. Workshop on Behavioral & Cognitive assessment in rodents. Organized by Department of Physiology, JSS Medical College, Mysore, 11<sup>th</sup> Sep 2019
3. Sixth Annual National conference of Association of Physiologists of India. Organized by Department of Physiology, JSS Medical College, Mysore, 12<sup>th</sup> -14<sup>th</sup> Sep 2019
4. Workshop on Suicide prevention and safety planning: How we can help. Organized by Department of Psychiatry, AIIMS, Jodhpur, 11<sup>th</sup> Oct 2019
5. Workshop on Competency Based Medical Education. Organized by Department of Pediatrics, AIIMS, Jodhpur, 3<sup>rd</sup> Nov 2019
6. American Heart Association (AHA) Certified BLS provider course. Organized by Department of Anesthesiology, AIIMS, Jodhpur, 21<sup>st</sup> Nov 2019

7. Techniques in Physiological Sciences Advanced workshop for SAARC Nations. Organized by Department of Physiology, AIIMS, New Delhi, 12<sup>th</sup> – 15<sup>th</sup> Dec 2019

**Name of Faculty: Dr. Archana Gaur T**

**Designation: Assistant Professor**

**Membership/Post in Journal or Society or Association**

1. Life Member; Association of Physiologists of India

**National/ International Conferences attended:**

1. 7<sup>th</sup> National Conference on Pediatric Education. Organized by Department of Pediatrics, AIIMS Jodhpur, Jodhpur, 3<sup>rd</sup> -5<sup>th</sup> Nov 2019
2. American Heart Association (AHA) certified BLS and ACLS Provider Course. Organized by Department of Anesthesiology, AIIMS Jodhpur, 21<sup>st</sup> - 23<sup>rd</sup> Nov 2019

## Department of Psychiatry

SN	Name	Designation
1.	Dr. Naresh Nebhinani	Additional Professor
2.	Dr. Jitender Aneja	Assistant Professor (worked till 11 <sup>th</sup> Nov, 2019)
3.	Dr. Mukesh Kumar Swami	Assistant Professor
4.	Dr. Pratibha	Assistant Professor
5.	Dr. Navratan Suthar	Assistant Professor
6.	Dr. Tanu	Clinical Psychologist
7.	Ms. Haleemunnissa S	Child Psychologist (joined on 28 <sup>th</sup> Feb, 2020)

### About the Department:

In July, 2013 Department of Psychiatry has started outdoor facilities including counselling services, and later extended to indoor facility in 2014. Broadly we are catering to children, adolescents, adults and elderly patients with psychological issues or psychiatric disorders, substance use disorders and sexual disorders.

In our outdoor clinic we are catering to patients with common mental disorders, severe mental illness, psychosomatic disorders, stress related problems, childhood disorders, geriatric problems, substance use disorders, marital and psychosexual disorders etc. We are seeing new patients as well as referred patients from other departments of our institute and outside. We are providing pharmacotherapy, electroconvulsive therapy (ECT) and psychological testing and therapies like Psychoeducation, behavioural therapy, psychotherapy, and also teaching various relaxation exercises including Neurobiofeedback therapy.

We are running special clinics on Drug Deaddiction Clinic (DDC) (Tuesday), Child and Adolescent Psychiatry Clinic (CAPC) (Thursday), Geriatric Mental Health Clinic (GMHC) (Friday).

We are teaching clinical skills, basic sciences and applications of Psychiatry to B.Sc. Nursing (Hons), M.B.B.S. and Postgraduate students. Additionally, we are having weekly departmental academics in form of seminar, journal club, case conference, and psychotherapy forum.

We are also providing services to Indian Institute of Technology (IIT), Border Security Force (BSF), National Law University (NLU), Police academy, Jai Narayan Vyas University (JNVU), Schools and Colleges and Yoga centre for awareness lectures related to mental health, psychiatric disorders, substance abuse, stress management as well as for capacity building.

In year 2019-2020, we have organized 19<sup>th</sup> Post Graduate Development Program under the aegis of Indian Psychiatric Society-North Zone. During Mental health week, we have organized Workshops on the theme of Suicide prevention for Faculty, Nursing officers, and Media professionals. We have also organized interactive sessions on World Schizophrenia awareness day, World No Tobacco day, World Suicide Prevention day and Mental health day for public and health professionals and Health camp on International day against drug abuse and illicit trafficking.

Our faculty have participated at national and international level in several academic fora- leadership programs, scientific discussions, conferences, and workshops and presented scientific papers, and delivered guest lectures.

In this period, Ms. Haleemunnissa has joined the department as a Child Psychologist.

**Compiled list of Publications of the department****Pubmed Indexed:**

1. Datta K, Nebhinani N, Dixit A. Performance differences in Hindi and English speaking bilinguals on Stroop task. *J Psycholinguist Res* 2019;48(6):1441-1448
2. Singhai K, Kuppili PP, Nebhinani N. Atypical Neuroleptic Malignant Syndrome: A Systematic Review of case reports. *Gen Hosp Psychiatry* 2019;60:12-19.
3. Menon V, Kar S, Suthar N, Nebhinani N. Vitamin D and depression: A critical reappraisal of the evidence and future recommendations. *Indian J Psychol Med* 2020;42:11-21
4. Kuppili PP, Nebhinani N. Role of integrated and multidisciplinary approach in combating Metabolic Syndrome in patients with Severe Mental Illness. *Indian J Psychol Med* 2019;41:466-471.
5. Kuppili PP, Nebhinani N, Gupta T, Suthar N. Management of a rare case of advanced sleep phase disorder in a patient with persistent depressive disorder. *Asian J Psychiatr* 2019;43:70-72.
6. Gupta N, Toteja N, Sasidharan R, Gupta T, Singh K. Behind the façade of sapophagia: Role of psychosocial factors in early childhood. *Asian J Psychiatr.* 2019;49:101956.
7. Singhai K, Kuppili PP, Gehlawat P. A rare case of Huntington's disease presenting with treatment resistant psychosis. *Indian J Psychiatry.* 2019;61(6):665-6.
8. Kuppili PP, Swami MK. Primary hypoparathyroidism: Rare neuropsychiatric presentation of manic symptoms, myopathy, and seizures. *Indian J Psychiatry.* 2020;62(2):217-218.
9. Chawla G, Niwas R, Dutt N, Swami MK. Obstructive sleep apnoea with co existent Kleine-Levine syndrome in a middle-aged man. *Monaldi Arch Chest Dis.* 2019;89(3):10.4081/monaldi.2019.
10. Kishor M, Gupta R, Ashok MV, Isaac M, Chaddha RK, Singh OP, Shah H, Nishchal A, Dave M, Kumar HR, Das A, Rohilla JK, Singh PK, Kumar P, Swami M, Solanki RK, Sahadevan S, Pal A, Ray R, Garg S, Tikka SK, Dyanin V, Avinash P, Dhiman V, Basu A, Rawat VS, Krishnan V, Menon V, Chandran S, Nebhinani N. Competency-based medical curriculum: Psychiatry, training of faculty, and Indian Psychiatric Society. *Indian J Psychiatry* 2020;62:207-8.
11. Singhai K, Nebhinani N. Risk of self-harm after the diagnosis of psychiatric disorders. *Lancet Psychiatry* 2020;7:304-305.
12. Patel M, Bhardwaj P, Nebhinani N. Prevalence of psychiatric disorders among older adults in Jodhpur and stakeholders' perspective on responsive health system. *J Family Med Prim Care* 2020;9:714-20.
13. Singhai K, Suthar N, Gehlawat P. The 3 D'S of geriatric psychiatry: A case report. *J Family Med Prim Care*, 2020. (Accepted).
14. Nathvani M, Saini VK, Gehlawat P. Socio-cultural barriers in management of gender dysphoria: A case report. *Indian J Psychiatry*, 2020 (Accepted).

**Non-Pubmed Indexed:**

1. Nebhinani N, Garasia B, Jain S. The conceptual framework for prevention of child sexual abuse. *J. Indian Assoc. Child Adolesc. Ment. Health* 2019;15(4):1-12.
2. Nebhinani N, Basu D. Social determinants of mental health - let's not lose the impetus this time. *Indian J Social Psychiatry* 2019;35:155-7.
3. Nebhinani N, Jain S. Promoting child and adolescent mental health in India. *J. Indian Assoc. Child Adolesc. Ment. Health* 2019;15(3):1-8.
4. Suthar N, Garg N, Sharma P. Opioid use disorder in a 5-year-old child: A case report from Western Rajasthan. *J. Indian Assoc. Child Adolesc. Ment. Health* 2019;15(4):85-91
5. Jain S, Singhai K, Nebhinani N. Comprehensive antenatal to postpartum care of patient with bipolar disorder: A case report. *Case Reports Perinatal Med* 2019; 20180057. DOI: 10.1515/crpm-2018-0057.
6. Gupta T. Smart generation with smartphone hooked to Internet addiction. *J. Indian Assoc. Child Adolesc. Ment. Health* 2019;15(3):90-98.

7. Saini VK, Gehlawat P, Goya D. Socio-cultural factors associated with natural opioids use in north-western Rajasthan: A cross-sectional study from tertiary care hospital. *International J Med and Biomed studies*. 2020;4(1):61-65.
8. Grover S, Avasthi A, Sahoo S, Lakdawala B, Dan A, Nebhinani N, et al. Prevalence of suicidality and its correlates in geriatric depression: A multicentric study under the aegis of Indian Association of Geriatric Mental Health. *J Geriatr Ment Health* 2019;6:62-70.
9. Nebhinani N, Jain S. Adolescent Mental Health: Issues, Challenges and Solutions. *Annals of Indian Psychiatry* 2019;3:4-7.
10. Nebhinani N, Singhai K. Suicide prevention strategies for adolescents and youth: Where are we missing? *J. Indian Assoc. Child Adolesc. Ment. Health* 2019;15(2):1-12.
11. Datta K, Nebhinani N, Dixit A. Gender Differences in Performance on Hindi - English Stroop Task. *Indian J Physiol Pharmacol* 2020; 64(1): 45–49
12. Kuppili P, Nebhinani N. School Mental Health Program: Scenario in India. *J. Indian Assoc. Child Adolesc. Ment. Health* 2020;16(1):1-12
13. Suthar N, Jain S, Nebhinani N, Singhai K. Autism spectrum disorder and its differential diagnosis: A nosological update. *J. Indian Assoc. Child Adolesc. Ment. Health* 2020;16(1):86-101
14. Nebhinani N, Kuppili P, Kapoor V, Vaishali R, Singhai K, Mamta. Reflections of medical students on causes of rising suicide among medical aspirants. *J. Indian Assoc. Child Adolesc. Ment. Health* 2020;16(1):102-108
15. Gupta T, Gehlawat P. Emotional Regulation in Adolescents: A narrative review. *J. Indian Assoc. Child Adolesc. Ment. Health* 2020;16(3) (issue under publication).

**Name: Dr Naresh Nebhinani**  
**Designation: Additional Professor**

**Book Chapters:**

1. Swami M, Nebhinani N. Challenges of Stigma. In: *Different Strokes: Challenges of Psychiatry*, Singh PK (editor), 1<sup>st</sup> edition. Patna, Publication committee Indian Psychiatric Society. 2020; 53-59
2. Goyal S, Sahoo S, Nebhinani N. History taking and Mental Status Examination. In: *Essentials of Psychiatry*, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;1-12
3. Swami M, Goyal S, Nebhinani N. Investigations in Psychiatry. In: *Essentials of Psychiatry*, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;25-29.
4. Swami M, Nebhinani N. Signs and symptoms in Psychiatry. In: *Essentials of Psychiatry*, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;20-24
5. Nebhinani N, Suthar N, Kuppili PP. Substance-related disorders. In: *Essentials of Psychiatry*, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;166-185.

**Papers Presented:**

1. Nebhinani N, Mamta. Rising suicide in Medical aspirants: Students' reflection of causes and possible solutions. *SNEHA suicide update*; 12<sup>th</sup> - 14<sup>th</sup> April, 2019, Hotel Crown Plaza, Chennai.
2. Nebhinani N, Paul K. Mamta. Medical students' attitude towards suicide prevention: An exploratory study from North-Western India. *SNEHA suicide update*; 12<sup>th</sup> - 14<sup>th</sup> April, 2019, Hotel Crown Plaza, Chennai.
3. Nebhinani N, Mamta. Effectiveness of brief training on management of suicide attempters on medical students' attitudes towards suicide prevention. *SNEHA suicide update*; 12<sup>th</sup> - 14<sup>th</sup> April, 2019, Hotel Crown Plaza, Chennai.

4. Singhai K, Nebhinani N. Suicidal behavior in postpartum depression: Case management with CBT approach. SNEHA suicide update; 12<sup>th</sup> - 14<sup>th</sup> April, 2019, Hotel Crown Plaza, Chennai.
5. Nebhinani N, Mamta. Brief educational intervention for medical students for suicide prevention and management of suicide attempters (e poster). 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society; 22<sup>nd</sup> - 25<sup>th</sup> January, 2020, ITC Royal Bengal, Kolkata

#### Sessions Chaired:

1. Impact of media reporting on different aspects of addiction, 44<sup>th</sup> Annual Conference of Indian Psychiatric Society – North Zone, 2<sup>nd</sup> – 3<sup>rd</sup> November 2019, GMC, Amritsar
2. Impact of Attention deficit hyperkinetic disorder, 15<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health, 8<sup>th</sup> – 10<sup>th</sup> November 2019, GMCH, Chandigarh
3. Online abuse: Concept, evaluation, its implication on child and adolescent mental health, 15<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health, 8<sup>th</sup> – 10<sup>th</sup> November 2019, GMCH, Chandigarh
4. The role of medical system in combating the Opioid crisis: Is curing HCV infection part of the answer, 21<sup>st</sup> Annual Conference of the International Society of Addiction Medicine, 13<sup>th</sup> – 16<sup>th</sup> November 2019, Hotel Pullman, New Delhi
5. Role of Nurse Professionals in treatment of SUD, 21<sup>st</sup> Annual Conference of the International Society of Addiction Medicine, 13<sup>th</sup> – 16<sup>th</sup> November 2019, Hotel Pullman, New Delhi
6. Smartphone vulnerability and cybercrime victimization: Issues and solutions, 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec 2019, AIIMS Bhubaneswar
7. Digital media & self-harm in adolescents: Clinical scenarios and management, 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec 2019, AIIMS Bhubaneswar
8. Cyber bullying: Nuts and bolts, 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec 2019, AIIMS Bhubaneswar
9. Suicide risk assessment: Do digital methods offer an extra edge, 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec 2019, AIIMS Bhubaneswar
10. Oral presentation session, 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society, 22<sup>nd</sup> - 25<sup>th</sup> January 2020, ITC Royal Bengal, Kolkata

#### Invited Lecture:

1. Role of yoga in Stress management. 11<sup>th</sup> May 2019, Patanjali Yog Sansthan, Jodhpur
2. Stress management with yoga and psychological strategies. 8<sup>th</sup> June 2019, Sindhu mahal, Jodhpur
3. An Introduction for choosing research tool/ instrument. Mid Term CME-workshop on 'Scientific writing and Research methodology' under the aegis of Indian Psychiatric Society Rajasthan Chapter, 17<sup>th</sup> – 18<sup>th</sup> August 2019, Via Lakhela Resort, Kumbalgarh, Rajasthan
4. Discussion: The heart of the research. Mid Term CME-workshop on 'Scientific writing and Research methodology' under the aegis of Indian Psychiatric Society Rajasthan Chapter, 17<sup>th</sup> – 18<sup>th</sup> August 2019, Via Lakhela Resort, Kumbalgarh, Rajasthan
5. Interactive session on World Suicide Prevention Day. 10<sup>th</sup> September 2019, Indra Yog Sansthan, Jodhpur
6. Execution of Mentorship program. 12<sup>th</sup> October 2019, College of Nursing, AIIMS, Jodhpur
7. Lifestyle and mental health. 12<sup>th</sup> October 2019, Sardar Patel University of Police, Security and Criminal Justice, Jodhpur

#### Symposium Speaker:

1. Telemedicine in Addiction Psychiatry: Current use and potential applications. 21<sup>st</sup> Annual Conference of the International Society of Addiction Medicine, 13<sup>th</sup> – 16<sup>th</sup> November 2019, Hotel Pullman, New Delhi



- Excessive use of internet among school children: A growing matter of concern in India. 15<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health, 8<sup>th</sup> – 10<sup>th</sup> November 2019, GMCH, Chandigarh
- Digital Psychiatry: Can it increase the reach of Psychiatry? 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec 2019, AIIMS Bhubaneswar
- Metabolic clinic: An integrated and multidisciplinary approach in the management of metabolic syndrome. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society, 22<sup>nd</sup> - 25<sup>th</sup> January 2020, ITC Royal Bengal, Kolkata

#### **Resource Faculty:**

- Teachers Training Workshop on Sexual and Reproductive Health, Army Public School, Jodhpur, 11<sup>th</sup> May, 2019.
- Mid Term CME-workshop on 'Scientific writing and Research methodology' under the aegis of Indian Psychiatric Society Rajasthan Chapter, 17<sup>th</sup> – 18<sup>th</sup> August 2019, Via Lakhela Resort, Kumbalgarh, Rajasthan
- Role of nurses in combating depression: A module based workshop for nurses. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society, 22<sup>nd</sup> - 25<sup>th</sup> January 2020, ITC Royal Bengal, Kolkata

#### **Research Project:**

##### **Ongoing:**

##### **As Principal-Investigator**

- Association of Single nucleotide polymorphisms in DNA Repair Gene (XRCC1) (Arg399Gln; rs25487) and SNAP25 (rs3746544) in patients with Schizophrenia in North Indian population. Intramural project, AIIMS Jodhpur

##### **As Co-Investigator**

- Development and validation of an Indian scale to assess severity of substance related problems. ICMR, New Delhi
- Evaluation of Toll like receptors 2, 4 and neurotransmitters receptors (Serotonin, Dopamine and Glutamate) and its significance in cognitive behaviour changes in Schizophrenia patients. AIIMS Jodhpur
- Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan
- Identifying Behavioural and Psychological Symptoms Clusters of Dementia: A Multi-Centric Exploratory Study

##### **Completed:**

##### **As Principal-Investigator**

- Effects of yoga therapy on cognitive functions and severity of depression in patients with Major Depressive Disorder
- To what extent does "Feeling good, doing well" training program enhance the mental health of medical students?
- Long term Course and Outcome of Bipolar disorder. Indian Psychiatric Society, PGIMER Chandigarh

##### **As Co-Investigator:**

- Study of vitamin D level and cardiometabolic abnormalities in patients with schizophrenia and bipolar disorders. AIIMS Jodhpur
- Effect of language on performance on color word stroop task: An evoked Potential study. ICMR, New Delhi

**Membership/Post in Journal or Society or Association**

1. Editor; Journal of Indian Association of Child and Adolescent Mental Health
2. Associate Editor; Journal of Mental Health and Human Behavior
3. Assistant Editor; Indian Journal of Social Psychiatry
4. Editorial Advisory Board Member; Medical Journal of Dr. D.Y. Patil University, Journal of Geriatric Mental Health, International Journal of Education and Research in Health Sciences
5. Executive council member; Indian Psychiatric Society- North Zone (IPS-NZ) (2017-2020)
6. Convener; Publication Sub-committee, Indian Psychiatric Society (2018-2020)

**National/ International Conferences attended**

1. SNEHA suicide update. SNEHA, Hotel Crown Plaza, Chennai, 12<sup>th</sup> - 14<sup>th</sup> April, 2019
2. 15<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health. GMCH, Chandigarh, 8<sup>th</sup> – 10<sup>th</sup> November 2019
3. 21<sup>st</sup> Annual Conference of the International Society of Addiction Medicine. AIIMS Delhi, Hotel Pullman, New Delhi, 13<sup>th</sup> – 16<sup>th</sup> November, 2019
4. Mid Term CME under the aegis of Indian Psychiatric Society Rajasthan Chapter. Geetanjali Medical College, Udaipur, Via Lakhela Resort, Kumbalgarh, Rajasthan, 17<sup>th</sup> – 18<sup>th</sup> August 2019
5. 44<sup>th</sup> Annual Conference of Indian Psychiatric Society – North Zone. GMC, Amritsar, 2<sup>nd</sup> – 3<sup>rd</sup> November 2019
6. 26<sup>th</sup> National Conference of Indian Association for Social Psychiatry. AIIMS Bhubaneswar, 29<sup>th</sup> Nov- 1<sup>st</sup> Dec, 2019
7. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society. ITC Royal Bengal, Kolkata, 22<sup>nd</sup> - 25<sup>th</sup> January, 2020

**Radio talk**

1. Handling crush and emotional break-up in youth. Radio Mirchi, Jodhpur, 20<sup>th</sup> May 2019
2. On World Mental Health Day theme- Focus on Suicide Prevention. Akashwani, Jodhpur, 10<sup>th</sup> October 2019

**Other affiliations:**

1. Sub-Dean, Student Welfare, AIIMS Jodhpur

**Name of Faculty: Dr. Mukesh Kumar Swami**

**Designation: Assistant Professor**

**Books/Chapters:**

1. Swami M, Nebhinani N. Challenges of Stigma. In: Different Strokes: Challenges of Psychiatry, Singh PK (editor), 1<sup>st</sup> edition. Patna, Publication committee Indian Psychiatric Society.2020; 53-59
2. Swami M, Goyal S, Nebhinani N. Investigations in Psychiatry. In: Essentials of Psychiatry, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;25-29.
3. Swami M, Nebhinani N. Signs and symptoms in Psychiatry. In: Essentials of Psychiatry, Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;20-24

**Papers Presented:**

1. Nebhinani N, Mitra P, Swami M, Saini V, Sharma P. Association of Single nucleotide polymorphisms in DNA Repair Gene (XRCC1) (Arg399Gln; rs25487) and SNAP25 (rs3746544) with Schizophrenia

(Professor K.C. Dube Poster Session award session). 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society; 22<sup>nd</sup> - 25<sup>th</sup> January, 2020, ITC Royal Bengal, Kolkata

**Symposium Speaker:**

1. Metabolic clinic: An integrated and multidisciplinary approach in the management of metabolic syndrome. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society, 22<sup>nd</sup> - 25<sup>th</sup> January 2020, ITC Royal Bengal, Kolkata

**Resource Faculty:**

1. 19<sup>th</sup> Post graduate development programme under the aegis of Indian Psychiatric Society-North Zone, 3-4 August 2019, Welcome ITC Hotel, Jodhpur
2. Competency Based Undergraduate Psychiatry Curriculum. 23<sup>rd</sup> -24<sup>th</sup> September 2019, AIIMS Rishikesh

**Research Project:**

**Ongoing:**

**As Principal Investigator:**

1. Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan

**As Co-Investigator:**

1. A comparative study of pre and postoperative facial satisfaction and quality of life in patient undergoing Rhinoplasty
2. Development and validation of an Indian instrument to assess severity of substance related problems. ICMR New Delhi
3. Assessment of satisfaction and expectations of patients receiving mental health services in a tertiary care center in western Rajasthan.
4. Identifying Behavioural and Psychological Symptoms Clusters of Dementia: A Multi-Centric Exploratory Study

**Membership/Post in Journal or Society or Association**

1. Membership of International Psycho-Oncology Society (IPOS)
2. Membership of Academy of consultation liaison Psychiatry (ACLCP)

**National/ International Conferences attended:**

1. 7<sup>th</sup> National Conference on Pediatric Education at AIIMS, Jodhpur, 3-5<sup>th</sup> November 2019.
2. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society. ITC Royal Bengal, Kolkata, 22<sup>nd</sup> - 25<sup>th</sup> January, 2020

**Name of Faculty: Dr Pratibha**  
**Designation: Assistant Professor**

**Symposium Speaker:**

1. Emotional regulation in adolescence: from theory to practice. 15<sup>th</sup> Biennial Conference of Indian Association of Child and Adolescent Mental Health, 8-10 November 2019, GMCH, Chandigarh

**Resource Faculty:**

1. Workshop on 'Suicide prevention and Safety planning: How we can help' for Nursing staff. 9<sup>th</sup> October, 2019, AIIMS, Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Assessment of satisfaction and expectations of patients receiving mental health services in a tertiary care center in western Rajasthan.
2. Assessment of behavioral and temperamental problems in children of parents with opioid dependence in a tertiary care center in western Rajasthan.

**As Co-Investigator**

1. Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan

**Membership/Post in Journal or Society or Association**

1. Life Fellow in Indian Psychiatric Society (IPS)

**National/ International Conferences attended:**

1. 7<sup>th</sup> National Conference on Pediatric Education at AIIMS, Jodhpur, 3-5<sup>th</sup> November 2019.
2. 15<sup>th</sup> Biennial National Conference of Indian Association for Child and Adolescent Mental Health. GMCH, Chandigarh, 8<sup>th</sup> – 10<sup>th</sup> November 2019

**Name of Faculty: Dr Navratan Suthar**

**Designation: Assistant Professor**

**Books/Chapters:**

1. Nebhinani N, Suthar N, Kuppili PP. Substance-related disorders. In: Essentials of Psychiatry Goyal S (editor), 1<sup>st</sup> edition, New Delhi, Wolters Kluwer Pvt. Ltd. 2020;166-185.

**Sessions Chaired:**

1. Sexual problems with substance abuse, 19<sup>th</sup> Postgraduate Development Program under the aegis of Indian Psychiatric Society-North Zone; 3<sup>rd</sup>-4<sup>th</sup> August, 2019, Welcome ITC, Hotel, Jodhpur, Rajasthan.

**Resource Faculty:**

1. Workshop on 'Suicide prevention and Safety planning: How we can help' for Faculty. 11<sup>th</sup> October, 2019, AIIMS, Jodhpur
2. Workshop on 'Preventing Suicide: Role of Media Professionals.' 10<sup>th</sup> October, 2019, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Co-Investigator**

1. Identifying Behavioural and Psychological Symptoms Clusters of Dementia: A Multi-Centric Exploratory Study

**Membership/Post in Journal or Society or Association**

1. Assistant editor, Journal of Indian Association of Child and Adolescent Mental Health
2. Life Fellow of Indian Psychiatric Society
3. Life Fellow of Indian Association for Social Psychiatry

**National/ International Conferences attended:**

1. Leadership Programme for Mental Health System Development by Parliamentary & Administrative Research Institute. University of Melbourne, Australia, 17<sup>th</sup> -22<sup>nd</sup> February, 2020.

**Radio talk:**

1. Public Awareness Program on the occasion of "World No Tobacco Day." Radio Mirchi, Jodhpur, 31st May 2019
2. How to identify warning signs/red flags of suicide? Akashwani, Jodhpur, 10<sup>th</sup> November 2019

**Workshops/ Conferences Organized**

1. Psychoeducation session on Schizophrenia management for patients and families on International Schizophrenia Awareness Day, AIIMS Jodhpur, 24<sup>th</sup> May, 2019
2. World No Tobacco day- Public Awareness Program. Radio-Mirchi FM, Jodhpur, 31<sup>st</sup> May, 2019
3. Community Deaddiction camp and awareness program on the occasion of International day against drug abuse and illicit trafficking. Dhundhara Primary Health Centre, 26<sup>th</sup> June, 2019.
4. 19<sup>th</sup> Postgraduate development program under the aegis of Indian Psychiatric Society- North Zone. Welcome ITC Hotel, Jodhpur, 3<sup>rd</sup> – 4<sup>th</sup> August, 2019.
5. Interactive session of Mental health experts on the eve of World Suicide Prevention Day with the theme 'Working together to prevent suicide.' AIIMS. Jodhpur, 9<sup>th</sup> September, 2019.
6. Workshop on 'Suicide prevention and safety planning: How we can help' for Nursing officers. AIIMS, Jodhpur, 9<sup>th</sup> October, 2019.
7. Workshop on 'Suicide prevention: Role of Media professionals.' AIIMS, Jodhpur, 10<sup>th</sup> October, 2019.
8. Workshop on 'Suicide prevention and safety planning: How we can help' for Faculty. AIIMS, Jodhpur, 11<sup>th</sup> October, 2019.

**The 19<sup>th</sup> Postgraduate Development Program 2019**

Department of Psychiatry organized the **19<sup>th</sup> Postgraduate Development Program** under the aegis of Indian Psychiatric Society- North Zone on 3<sup>rd</sup> & 4<sup>th</sup> August 2019. It was a two day CME programme for Postgraduate students of Psychiatry. This programme was an annual event of the society to polish clinical skills of budding psychiatrists. The theme was "Psychosexual disorders" and we had 8 interactive sessions, 2 workshop, 4 case presentations and PG quiz with the help of clickers. Nearly 150 Postgraduate students from all Medical colleges across north India participated in the program. Renowned faculty was invited from all over India to deliver lectures and to facilitate the scientific sessions.



## Department of Pulmonary Medicine

S.No.	Name	Designation
1	Dr.Naveen Dutt	Additional Professor
2	Dr.Nishant Kumar Chauhan	Additional Professor
3.	Dr.Ramniwas	Assistant Professor

### About the Department :

#### 1. Introduction:

The department of Pulmonary Medicine is committed to provide access to the latest advances in pulmonary diseases, critical care and sleep medicine. We aim to consistently deliver high-quality care with respect, dignity and compassion. We manage a wide spectrum of diseases of the chest ranging from airway disorders like asthma, COPD, bronchiectasis, lung infections including tuberculosis and other mycobacterial infections, pleural diseases, lung cancer, sleep disorders, occupation-related lung disorders like silicosis, interstitial lung diseases, pulmonary vascular diseases and patients with respiratory failure requiring invasive/non-invasive ventilatory support. We have initiated advanced pulmonary interventions using flexible and rigid bronchoscopy.

#### 2. Services:

We are offering OPD as well as IPD facilities to our patients. Presently we are doing the following investigations and procedures in our department:

1. Spirometry
2. Diagnostic and therapeutic bronchoscopy
3. Medical thoracoscopy
4. Body plethysmography and Diffusion study
5. Endo-bronchial Ultrasound guided transbronchial needle aspiration
6. FENO
7. Polysomnography/ Sleep laboratory
8. Critical care
9. Rigid bronchoscopy

### Compiled list of Publications of the department

#### Papers

#### Pubmed Indexed:

1. Dhar R, Singh S, Talwar D, et al. Bronchiectasis in India: results from the European Multicentre Bronchiectasis Audit and Research Collaboration (EMBARC) and Respiratory Research Network of India Registry [published correction appears in *Lancet Glob Health*. 2019 Dec;7(12):e1621]. *Lancet Glob Health*. 2019;7(9):e1269-e1279.
2. Chawla G, Dutt N, Ramniwas, Chauhan N, Sharma V. A Rare Case of Neurogenic Pulmonary Edema Following High-voltage Electrical Injury. *Indian J Crit Care Med*. 2019;23(8):384-386.
3. Chawla G, Niwas R, Dutt N, Swamy MK. Obstructive sleep apnoea with co existent Kleine-Levine syndrome in a middle-aged man. *Monaldi Arch Chest Dis*. 2019;89(3):10.4081/monaldi.2019.1163.
4. Chawla G, Niwas R, Chauhan NK, Dutt N, Yadav T, Jain P. Pancreatic pleural effusion masquerading as right sided tubercular pleural effusion. *Monaldi Arch Chest Dis*. 2019;89(3):10.4081/monaldi.2019.1125
5. Deokar K, Niwas R, Chauhan N, et al. Recurrent pneumothorax, skin lesions and frequent urination. *Breathe (Sheff)*. 2020;16(1):190318.

- Chawla G, Dutt N, Deokar K, Meena VK. Chest pain without a clue-ultrasound to rescue occult multiple myeloma: A case report. *World J Radiol.* 2019;11(12):144-148.
- Gopal Chawla, Ramniwas, Naveen Dutt: Giant Bullous Reaction in Response to Tuberculin Test in a Patient of Pelvic Inflammatory Disease. *Journal of Clinical and Diagnostic Research* 09/2019; 13(9).

**Non-Pubmed Indexed:**

- Ram Niwas, Chawla G, Chauhan NK, Dutt N. A foreign body aspiration presenting as left sided empyema and its removal by novel method. *Arch Pulmonol Respir Care* 5(1): 012-014. DOI: 10.17352/aprc.000036

**Name of Faculty: Dr. Naveen Dutt**  
**Designation: Additional Professor**

**Invited Lectures:**

- “Approach to a patient of ILD” on 11/02/2020 at Department of Pulmonary Medicine, GMCH-32, Chandigarh.
- On “Latent TB infection – Should we treat in India?” in 74<sup>th</sup> NATCON 2019, on 22<sup>nd</sup> December, 2019 at Hotel Leela Palace, Chennai.

**Resource Faculty:**

- Panelist for the discussion on “Case of Systemic Sclerosis related ILD & a case of Sarcoidosis.” at 21<sup>st</sup> NAPCON 2019 on 22<sup>nd</sup> November, 2019 at Grand Hyatt Kochi Bolgatty, Kochi, Kerala.

**Research Project:****Ongoing****Principal Investigator**

- The European Multicenter Bronchiectasis Audit and Research Collaboration in India (EMBARC India Registry)- Multicentric Study published in **The Lancet Global Health** in August 2019, follow up is still continue

**Co-Investigator**

- Evaluating and strengthening Pre-hospital trauma care system for mitigating burden of Road traffic accidents in Jodhpur, Rajasthan: Community based Intervention trial- ICMR Funded Project
- Comparison of patient comfort during Endobronchial Ultrasound between Nasal versus Oral Route—A Prospective Randomized Control study.

**Completed**

- Concordance of Ultrasound Scoring and Semiquantitative HRCT Scoring with physiological Parameters of Disease Severity in Patients of Interstitial Lung Diseases.
- PDL-1 Expression in Non-small cell Lung Cancer Patients and its association with clinic-radiological and pathological profile: A Cross Sectional Study

**Scientific Awards/Patents-**



1. Received European Respiratory Society Fellowship on ' Interstitial Lung Diseases' at University College London Hospital, London from 1<sup>st</sup> April 2019 to 30<sup>th</sup> September 2019.

**National/ International Conferences attended:**

1. NAPCON-2019 at Kochi
2. NATCON-2019 at Chennai

**Name of Faculty: Nishant Kumar Chauhan**

**Designation: Additional Professor**

**Session Chaired:**

1. National Lung Cancer Conference, NALCCON 2019 held on 14-15 Dec 2019 at KGMU UP Lucknow.
2. 13th National Conference for Indian Human and Animal Mycologists (SIHAM) 2020 at AIIMS, Jodhpur in Feb 2020.

**Invited Lectures**

1. 21st NAPCON 2019 at Kochi, Kerala.
2. 20th Annual Conference, RAJ PULMOCON 2020 on 22nd and 23rd February 2020 at Pali, Rajasthan

**Research Projects:**

**Ongoing:**

**As Principal Investigator**

1. Role of ultrasound guided transthoracic closed pleural biopsy in diagnosis of exudative pleural effusions

**As Co-Investigator**

1. Comparison of Sono-endoscopic needle aspiration of mediastinal lesions via tracheal (EBUS-TBNA) versus esophageal (EUS- B FNA) route using the same EBUS scope (The SMELTER Study).—A Prospective Randomized Control Study
2. Comparison of patient comfort during Endobronchial Ultrasound between Nasal versus Oral Route—A Prospective Randomized Control study.

**Completed:**

**As Principal Investigator**

1. Assessment of diaphragm functions using ultrasonography among patients with COPD- non-funded, multicentric study

**As Co-Investigator**

1. A Study of Sleep Quality, Perceived Stress and Its Impact on Academic Performance among Medical Students funded by AIIMS, Jodhpur- Intramural project funded by AIIMS Jodhpur-Intramural
2. A study to explore the risk factors for Chronic Obstructive Pulmonary Disease (COPD) among women not exposed to tobacco smoke

**National Conferences attended:**

1. NAPCON 2019 at Kochi, Kerala.

2. National Lung Cancer Conference, NALCCON 2019, KGMU Lucknow.
3. National Conference for Indian Human and Animal Mycologists (SIHAM) 2020 at AIIMS, Jodhpur

**Membership**

1. Indian Society for Study of Lung Cancer

**Examinership**

1. MD thesis assessor for Respiratory Medicine at SN medical college, Jodhpur

**Name of Faculty: Dr Ramniwas**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Quality of life assessment in advanced stage of lung cancer patients before and after chemotherapy. ERS Congress, November 2019, Madrid, Spain

**Symposium Speaker**

1. PACS INDIA 2019, Pneumonia: Are we clear when to use 'Steroids in Severe CAP' 18<sup>th</sup> Aug 2019, Hotel Hayat Regency, Bikaji Kama Place, New Delhi.

**Resource Faculty:**

1. 2<sup>nd</sup> Case Based Discussion 2019: A case of Central Airway Obstruction, 12<sup>th</sup> Jan 2020, Safdarjung Hospital, New Delhi.
2. BRONCHUS 2020: 1<sup>st</sup> Annual International Conference, FTP-2 Workshop Station- Rigid Bronchoscopy, 1<sup>st</sup> Feb 2020, HICC, Hyderabad.
3. RAJPULMOCON2020 :Panel Discussion on Pneumonia : How do I Treat Pneumonia ? 23<sup>rd</sup> Feb 2020, Govt. Medical College, Pali, Rajasthan.

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Comparison of Sono-endoscopic needle aspiration of mediastinal lesions via tracheal (EBUS-TBNA) versus esophageal (EUS- B FNA) route using the same EBUS scope (The SMELTER Study).—A Prospective Randomized Control Study.
2. Expression of circulating miRNA 21 and 155 in patients with Bronchial Asthma and their association with lung function and treatment response in Indian population—A Pilot Study, Intramural project, AIIMS Jodhpur.
3. Comparison of patient comfort during Endobronchial Ultrasound between Nasal versus Oral Route—A Prospective Randomized Control study.

**As Co-Investigator-**

1. Role of ultrasound guided transthoracic closed pleural biopsy in diagnosis of exudative pleural effusion.

**Completed:**

**As Principal Investigator**

1. Adult airway foreign body aspiration: A reterospective observational Study

**As Co-Guide**

1. To study the concordance of ultrasound scoring and semi quantitative HRCT scoring with physiological parameters of disease severity in patients of interstitial lung diseases in western India .
2. PDL-1 Expression in Non-small cell Lung Cancer Patients and its association with clinic-radiological and pathological profile: A Cross Sectional Study.

**National/ International Conferences attended:**

1. ERS 2019, 29th International Congress of the European Respiratory Society, 28<sup>th</sup> Sept to 2 Oct, 2019, IFEMA, Madrid Spain
2. PACS INDIA 2019,Pneumonia: Dept of Pulmonary Medicine, Metro Hospital Noida, 18<sup>th</sup> Aug 2019,Hotel Hayat Regency, Bikaji Kama Place, New Delhi.
3. BRONCHUS 2020:1<sup>st</sup> Annual International Conference,Dept of Interventional Pulmonology, Yashoda Hospital Secunderabad, 1-2 Jan 2020, HICC, Hyderabad.
4. 2<sup>nd</sup> Case Based Discussion 2019: Dept of Pulmonary & Critical Care Medicine, 12<sup>th</sup> Jan 2020, Safdarjung Hospital, New Delhi.
5. RAJPULMOCON2020 :Dept of Pulmonary Medicine, 23<sup>rd</sup> Feb 2020, Govt. Medical College, Pali, Rajasthan

## Department of Radiation Oncology

S.No.	Name	Designation
1	Dr Rakesh Kumar Vyas	Professor
2	Dr Puneet Pareek	Additional Professor

### About the Department

Patients with suspected or confirmed malignancy are seen in the OPD. A comprehensive care plan is prepared for each patient after the clinical workup and consultation. Joint and interdisciplinary care is coordinated for the patients and patients are often discussed in Joint Tumor Board Meetings.

Simple procedures as tapping of ascites, performing simple breast/ cervical biopsies are done in OPD.

The department has following equipment:

- A functioning Dual Energy Linear Accelerator with facilities for 3DCRT, IMRT, IGRT, SRS, and SRT etc. Another unit of linear accelerator is being installed.
- An Ir192 HD Brachytherapy
- A 4D CT Simulator
- A Minor OT for Brachytherapy Procedures

Patients are currently offered radical and palliative care with radiation therapy, systemic chemotherapy, biological therapy, immunotherapy and palliative care. Pain medications as morphine are judiciously prescribed as per WHO pain management ladder.

In the IPD patients are admitted for procedures as Chemotherapy PORT insertions or Image guided biopsies with Department of Radiology, Intravenous Chemotherapies and Supportive Care etc.

The Department is delivering Radiation Treatments with various techniques as 3DCRT, IMRT, IGRT, SBRT, SRS, Extra-corporeal RT, HDR Brachytherapy etc.

More than 900 patients were treated on LINAC with radiation therapy, 74 patients received brachytherapy and more than 5000 admissions were made for various chemotherapy and systemic treatments in the department.

The Department participates in the MBBS and Nursing Teaching as per the curriculum and in integrated teaching classes and UNCLE.

The Department is teaching and guiding Senior Residents and Post Graduate Students.

**Compiled list of Publications of the department :****Pubmed Indexed:**

1. Soni, Sweta, Puneet Pareek, and Satya Narayan. "Disseminated Peritoneal Leiomyomatosis: An Unusual Presentation of Intra-Abdominal Lesion Mimicking Disseminated Malignancy." *Medicine and Pharmacy Reports* 93, no. 1 (January 23, 2020): 113-16. <https://doi.org/10.15386/mpr-1421>.
2. Soni, Sweta, Puneet Pareek, Satya Narayan, and Vaibhav Varshney. "Mucinous Cystic Neoplasm of the Liver (MCN-L): A Rare Presentation and Review of the Literature." *Medicine and Pharmacy Reports*, March 25, 2020. <https://doi.org/10.15386/mpr-1543>.
3. Vishnoi, Jeewan Ram, Ankit Jain, Sanjeev Misra, Puneet Pareek, Meenakshi Rao, Binit Sureka, and Ashok Puranik. "Paraneoplastic Syndrome Associated with the Retroperitoneal Dedifferentiated Liposarcoma: An Atypical Presentation and Review of the Literature." *Indian Journal of Surgical Oncology* 10, no. 4 (December 1, 2019): 703-7. <https://doi.org/10.1007/s13193-019-00971-0>.
4. Vishnoi, Jeewan Ram, Ajai Sasidhar, Sanjeev Misra, Puneet Pareek, Sudeep Khara, Sushil Kumar, and Ankit Jain. "Hepatoblastoma in a Young Adult: A Rare Case Report and Review of the Literature." *Journal of Gastrointestinal Cancer*, May 29, 2019. <https://doi.org/10.1007/s12029-019-00256-3>.
5. Soni, Sweta, Puneet Pareek, and Satya Narayan. "Disseminated Peritoneal Leiomyomatosis: An Unusual Presentation of Intra-Abdominal Lesion Mimicking Disseminated Malignancy." *Medicine and Pharmacy Reports* 93, no. 1 (January 23, 2020): 113-16. <https://doi.org/10.15386/mpr-1421>.
6. Soni, Sweta, Puneet Pareek, Satya Narayan, and Vaibhav Varshney. "Mucinous Cystic Neoplasm of the Liver (MCN-L): A Rare Presentation and Review of the Literature." *Medicine and Pharmacy Reports*, March 25, 2020. <https://doi.org/10.15386/mpr-1543>.
7. Vishnoi, Jeewan Ram, Ankit Jain, Sanjeev Misra, Puneet Pareek, Meenakshi Rao, Binit Sureka, and Ashok Puranik. "Paraneoplastic Syndrome Associated with the Retroperitoneal Dedifferentiated Liposarcoma: An Atypical Presentation and Review of the Literature." *Indian Journal of Surgical Oncology* 10, no. 4 (December 1, 2019): 703-7. <https://doi.org/10.1007/s13193-019-00971-0>.
8. Vishnoi, Jeewan Ram, Ajai Sasidhar, Sanjeev Misra, Puneet Pareek, Sudeep Khara, Sushil Kumar, and Ankit Jain. "Hepatoblastoma in a Young Adult: A Rare Case Report and Review of the Literature." *Journal of Gastrointestinal Cancer*, May 29, 2019. <https://doi.org/10.1007/s12029-019-00256-3>.

**Papers**

**Non-Pubmed Indexed:**

1. Soni, Sweta, Puneet Pareek, and Satya Narayan. "Disseminated Peritoneal Leiomyomatosis: An Unusual Presentation of Intra-Abdominal Lesion Mimicking Disseminated Malignancy." *Medicine and Pharmacy Reports* 93, no. 1 (January 23, 2020): 113-16. <https://doi.org/10.15386/mpr-1421>.
2. Soni, Sweta, Puneet Pareek, Satya Narayan, and Vaibhav Varshney. "Mucinous Cystic Neoplasm of the Liver (MCN-L): A Rare Presentation and Review of the Literature." *Medicine and Pharmacy Reports*, March 25, 2020. <https://doi.org/10.15386/mpr-1543>.
3. Vishnoi, Jeewan Ram, Ankit Jain, Sanjeev Misra, Puneet Pareek, Meenakshi Rao, Binit Sureka, and Ashok Puranik. "Paraneoplastic Syndrome Associated with the Retroperitoneal Dedifferentiated Liposarcoma: An Atypical Presentation and Review of the Literature." *Indian Journal of Surgical Oncology* 10, no. 4 (December 1, 2019): 703-7. <https://doi.org/10.1007/s13193-019-00971-0>.
4. Vishnoi, Jeewan Ram, Ajai Sasidhar, Sanjeev Misra, Puneet Pareek, Sudeep Khera, Sushil Kumar, and Ankit Jain. "Hepatoblastoma in a Young Adult: A Rare Case Report and Review of the Literature." *Journal of Gastrointestinal Cancer*, May 29, 2019. <https://doi.org/10.1007/s12029-019-00256-3>.

**Name of Faculty: Dr. Puneet Pareek**  
**Designation: Additional Professor**

**Research Project:****Ongoing:****As Principal Investigator**

1. Evaluating the dynamics of breast cancer stem cells with apoptosis, necrosis, angiogenesis and cell cycle regulating miRNA (miR221-3p, miR133a-3p and miR9-5p) in patients undergoing systemic neoadjuvant of palliative chemotherapy for breast Intramural Project.

## Department of Surgical Gastroenterology

S.No.	Name	Designation
1	Dr. Vaibhav Kumar Varshney	Assistant Professor
2	Dr. Subhash Chandra Soni	Assistant Professor

### About the Department:

The department of Surgical Gastroenterology (G.I. Surgery) has progressed a lot since its inception in both patient management and academic achievements. The department manages patients with complicated surgical problems in the GI tract and has outpatient clinics, general and special rooms, and operation theatre. State of the art facilities and equipment's, especially laparoscopy and robotic, are available to fulfil the needs of various patients. Patient centered research in various arenas is one of the foremost priorities of the department. The planned expansion in terms of new services, programs and infrastructure development are ongoing.

**Academic Activities:** The M.Ch. Surgical Gastroenterology course was commenced in July 2018 with two sanctioned seats per year. As on 31st March 2020, the department has 4 students undergoing training for M.Ch. Surgical Gastroenterology. The academic activities include journal club and seminar presentation weekly, audit of patient admitted and operated fortnightly and discussions on research projects. Beside these, radiology and histopathology meets are also held every fortnightly. The students who are pursuing Post-graduation (M.S.) in the department of General Surgery are being posted regularly on rotation basis. The department is also actively involved in the teaching of Undergraduate through didactic lectures, Problem based learning and UNCLE.

### Patient Care

**Out Patients:** Our outpatient services have been expanded and running on 5<sup>th</sup> floor of OPD section, C block (Room No.-547-549). GI oncology clinic is separately run on every Wednesday especially for the follow up of malignancy patients. Our department policy is to provide fast-track treatment to all patients who are suffering from gastrointestinal disorders.

**Total number of patients seen: 4922 [2319 (New) + 2603 (Old)]**

**Inpatients:** Bed strength for the department is gradually increasing. We have separate beds for male and female patients along with semi-private and private rooms. Records of all patients admitted, got treatment and discharged are maintained in a methodical way in computer software for easy access and follow up.

Total Admission: 502; Total Surgical procedures: 280 (Elective: 222, Emergencies: 58); Mortality: 12

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Sureka B, Rai B, Varshney V, Nag VL, Garg MK, Garg PK, Yadav T, Khera PS, Goel A. Quantitative diffusion-weighted magnetic resonance imaging for prediction of early infection in pancreatic collections: Results of a pilot study. Saudi J Gastroenterol. 2020 Jan-Feb;26(1):20-25.
2. Bharti JN, Sharma K, Soni S, Dharamsaktu D. Malignant Spindle Cell Neoplasm of Intestine: a Rare Case Report. J Gastrointest Cancer. 2020;51(2):636-638.
3. Deepak B, Varshney VK, Singh S, Trehan VK, Saluja SS Budd-Chiari Syndrome with Inferior Vena Cava-Right Atrial Junction Obstruction: A Rare Presentation Managed by a Novel Technique. Am Surg. 2019 Dec 1;85(12):e611-e613..
4. Sureka B, Varshney V, Elhence P, Bharti J, Yadav T, Garg PK, Khera PS. Unusual Case of a Pancreatic Neuroendocrine Tumor Containing a Central Scar. ACG Case Rep J. 2019 Mar 18;6(3):1-5.

5. Saluja SS, Kiran S, Mishra PK, Ramaswamy D, Varshney VK, Godhi S, Sisodia K. Long-Term Functional Outcome After Pancreatoduodenectomy for Periampullary Carcinoma With Morphological Correlation. *Pancreas*. 2019 Oct;48(9):1182-1187.
6. Varshney VK, Gupta RK, Saluja SS, Tyagi I, Mishra PK, Batra VV. Analysis of clinicopathological and immunohistochemical parameters and correlation of outcomes in gastrointestinal stromal tumors. *Indian J Cancer*. 2019 Apr-Jun;56(2):135-143.
7. Varshney VK, Rao M, Soni SC, Sureka B. Synchronous Adeno-squamous Carcinoma of Gallbladder and Adenocarcinoma of Common Bile Duct: Twin Trouble. *J Gastrointest Cancer*. 2019 Dec;50(4):1014-1017
8. Varshney VK, Bharti JN, Sureka B, Soni SC. Gallbladder Carcinosarcoma with Mirizzi Syndrome: a Rare Presentation. *J Gastrointest Cancer*. 2019 Dec;50(4):997-1000

#### Non-Pubmed Indexed:

1. S Soni, V Varshney, M Goyal, S Shekher. Radical resection for duodenal carcinoma with isolated bilateral ovarian metastasis: a case report. *Int Surg J*. 2019 Dec;6(12):4554-4556
2. B Sureka, V Varshney. Pancreatic Incidentalomas: Review and Current Management Recommendations. *Annals of the National Academy of Medical Sciences (India)* 55 (01), 006-013
3. Soni Subhash, Mehta Naimish, Ray Sumit, Nundy Samiran. Intra-abdominal hypertension and abdominal compartment syndrome in patients undergoing gastrointestinal surgery. *J Clin Invest Surg*. 2019; 4(2): 101-107.

**Name of Faculty: Dr. Vaibhav Kumar Varshney**  
**Designation: Assistant Professor**

#### Papers Presented:

1. Vaibhav K Varshney, Subhash Soni, Sreesanth K S, Sunita Suman. Laparoscopic retrieval of impacted and broken dormia basket using novel approach (Video Presentation) at 17<sup>th</sup> IHPBA-Indian Chapter conference at Bhubaneshwar, January 2020
2. Vaibhav K Varshney, Jyotsna N Bharti, Bharti Varshney, Subhash Soni, Sreesanth KS, Sunita Suman. Mixed Neuroendocrine-Non-Neuroendocrine Neoplasms (MiNEN) of Pancreas: A rare entity at 17<sup>th</sup> IHPBA-Indian Chapter conference at Bhubaneshwar, January 2020
3. Vaibhav K Varshney, Ravindra G Shukla, Subhash Soni. Continuous Glucose Monitoring During Enucleation of Insulinoma in Multiple Endocrine Neoplasia-1: Can It Predict Complete Removal? (Poster) at 29<sup>th</sup> IASGCON 2019 (10<sup>th</sup>-13<sup>th</sup> October) at New Delhi.
4. Vaibhav K Varshney, Taruna Yadav, Poonam Elhence, Subhash Soni, Binit Sureka. Preoperative Diagnosis of Pancreatic Schwannoma – Myth or Reality. (Poster) at 29<sup>th</sup> IASGCON 2019 (10<sup>th</sup>-13<sup>th</sup> October) at New Delhi.
5. Vaibhav K Varshney, Sreesanth K S, Sunita Suman, Subhash Soni. Laparoscopic Retrieval of Impacted and Broken Dormia Basket During ERCP Stone Clearance in **Best video category (Biliary)** at 7<sup>th</sup> Biennial Congress of the Asia-Pacific Hepato-Pancreato-Biliary Association (A-PHPBA) 2019 September at Seoul, Korea
6. Vaibhav K Varshney, Ravindra G Shukla, Subhash Soni. Continuous Glucose Monitoring During Enucleation of Insulinoma in Multiple Endocrine Neoplasia-1: Can It Predict Complete Removal? (E-poster) at 7<sup>th</sup> Biennial Congress of the A-HPBA 2019 at Seoul, Korea



7. Vaibhav K Varshney, Taruna Yadav, Poonam Elhence, Subhash Soni, Binit Sureka. Preoperative Diagnosis of Pancreatic Schwannoma – Myth or Reality (E-poster) at 7<sup>th</sup> Biennial Congress of the A-PHPBA 2019 at Seoul, Korea
8. Vaibhav K Varshney, Sundeep S Saluja, Pramod K Mishra, Sanjeev Sachdeva. Obscure Dilatation of Common Bile Duct- A Diagnostic Dilemma (E-poster) at 7<sup>th</sup> Biennial Congress of the A-PHPBA 2019 at Seoul, Korea
9. Vaibhav K Varshney, Taruna Yadav, Poonam Elhence, Subhash Soni, Binit Sureka. Preoperative Diagnosis of Pancreatic Schwannoma – Myth or Reality Oral presentation at the Sri Lanka Surgical Congress 2019 in August 2019 in Galle, Sri Lanka.
10. Vaibhav K Varshney, Ravindra G Shukla, Subhash Soni. Continuous Glucose Monitoring during Enucleation of Insulinoma in Multiple Endocrine Neoplasia-1: Can it predict complete removal? (E-poster) at the Sri Lanka Surgical Congress 2019 August, in Galle, Sri Lanka
11. Vaibhav K Varshney, Subhash Soni, Himanshu Pandey, Shashank Shekhar, Taruna Yadav, Pushpinder Khera: Ileo-Ureteric with Ileo-Uterine Fistula: Diagnostic Enigma (E-poster) at the Sri Lanka Surgical Congress 2019 in August 2019 in Galle, Sri Lanka

#### Sessions Chaired:

1. Mid Term INASL Conference on "Management of Cirrhosis and its Complications", Jodhpur April 2019
2. Annual Conference of The ASI - Rajasthan Chapter, ASIRAJ 18<sup>th</sup> -20<sup>th</sup> October 2019

#### Research Project:

##### Ongoing:

##### As Principal Investigator

1. Neoadjuvant Chemotherapy Vs Chemoradiotherapy for Malignancy of Oesophagus: A Prospective comparative study

##### As Co-Investigator

1. HER-2-neu proto-oncogene Fluorescent in Situ Hybridization screening in cytological preparation of Gastrointestinal tract cancer
2. To study the correlation between Pancreato-Biliary Maljunction (PBM) and Gall bladder carcinoma (GBC) and its clinical implications

#### Scientific Awards:

1. **Best poster** presentation in Category of Pancreas at 29<sup>th</sup> IASGCON 2019 (10<sup>th</sup>-13<sup>th</sup> October) at New Delhi.
2. **Honored with Travel grant** (USD 1000) at 7<sup>th</sup> Biennial Congress of the Asia-Pacific Hepato-Pancreato-Biliary Association 2019 at Seoul, Korea
3. Awarded Membership of Royal College of Surgeons (**MRCS- England**) at Convocation in London (UK)- July 2019
4. Awarded Certificate of *da Vinci Robotic Console Surgeon* after training at Ramaiah Training Centre, Bengaluru.

#### Membership in Society or Association

1. Membership of Asia-Pacific Hepato-Pancreato-Biliary association

#### Fellowship/Observership:

1. Honorary Observership in HPB and Liver Transplantation at Kings College Hospital, London, UK

**National/ International Conferences attended:**

1. 17<sup>th</sup> International Hepato-Pancreato-Biliary Association (IHPBA) - Indian Chapter conference at Bhubaneswar, January 2020
2. Invited as Faculty/Chairperson at Annual Conference of The Association of Surgeons of India - Rajasthan Chapter, ASIRAJ 18<sup>th</sup> -20<sup>th</sup> October 2019
3. 29<sup>th</sup> Indian association of Surgical Gastroenterology conference at New Delhi, (10<sup>th</sup> -13<sup>th</sup>) October 2019
4. 7<sup>th</sup> Biennial Congress of the Asia-Pacific Hepato-Pancreato-Biliary Association (A-HPBA) 2019 September at Seoul, Korea
5. Sri Lanka Surgical Congress 2019 in August 2019 in Galle, Sri Lanka.

**Name of Faculty: Dr Subhash Chandra Soni**

**Designation: Assistant Professor**

**Papers Presented:**

1. Soni S, Varshney V, Sreesanth KS, Goyal M, Shekhar S. Radical resection Duodenal carcinoma with isolated B/L ovarian metastasis: A case report. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2019, 9<sup>th</sup> – 13<sup>th</sup> October, 2019. AIIMS New Delhi
2. Soni S, Suman S, Sreesanth K S, Varshney VK. Squamous cell carcinoma of periampullary region with SEMS: a rare entity. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2019, 9<sup>th</sup> – 13<sup>th</sup> October, 2019. AIIMS New Delhi
3. Soni S, Varshney V, Sreesanth KS. Gallbladder tuberculosis presenting with obstructive jaundice – case report. Annual Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ-2019: 18th - 20th October, 2019, AIIMS, Jodhpur

**Sessions Chaired:**

1. "Colorectal Surgeries". Annual Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ-2019: 18th - 20th October, 2019, AIIMS, Jodhpur

**Research Project:****Ongoing:****As Principal Investigator**

1. To study the correlation between Pancreato-Biliary Maljunction (PBM) and Gall bladder carcinoma (GBC) and its clinical implications.

**Scientific Awards/Patents**

1. FAIS Fellowship award. The Association of Surgeons of India ASICON 2019 Bhubaneswar. 18th December 2019.

**Membership/Post in Journal or Society or Association**

1. Active member; Association of Minimal Access Surgeons of India

**National/ International Conferences attended:**

1. Indian Association of Surgical Gastroenterology Annual Conference (IASGCON) 2019. Department of Surgical Gastroenterology AIIMS New Delhi, 9<sup>th</sup> – 13<sup>th</sup> October, 2019.

2. Annual Conference of The Association of Surgeons of India - Rajasthan Chapter ASIRAJ-2019. Department of General Surgery, All India Institute of Medical Sciences, Jodhpur, Rajasthan 18th - 20th October, 2019.
3. 79<sup>th</sup> Annual Conference of the Association of Surgeons of India. SOA University, Campus 2, Kalinga Nagar, Bhubaneswar, Odisha. 18th to 21st December 2019.

## Department of Surgical Oncology

S. No.	Name	Designation
1.	Dr. D. Jayakumar	Associate Professor
2.	Dr. Jeewan Ram Vishnoi	Assistant Professor

### About the Department :

The Department of Surgical Oncology provides consultation for screening, diagnosis, surgical management, and follow up of the cancer patients. From 1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020, 4202 patients have visited our OPD for various surgical problems. We have a separate teaching room for undergraduate teaching in the same block. The major operation theaters are located in Main OT Complex at 3<sup>rd</sup> floor. The minor operation theaters are located in Trauma and Emergency OT complex. A total of 268 number of major surgical procedures were performed during this period. We have endo trainer facilities for laparoscopic procedures in the surgical skill lab located in the OT complex.

**Out-Patient Department:** Our OPD is presently working five days a week (Monday to Friday, in the A block, 5<sup>th</sup> floor of the OPD complex (Room no. 510-12). We do minor procedures or surgical procedures, including core cut, punch, and incisional biopsies and dressing, etc. in Room No. 501. Our department policy is to first evaluate the patients on the OPD basis who may need any surgical intervention and then admit through the waiting list. Patients are given a choice of either general or private or semiprivate ward. We run a Tumor Board meeting every Wednesday.

**In-Patient Department:** IPD wards are separate for male and female along with both general and special pay rooms (private or semiprivate). The patient is thoroughly evaluated, and history & examination is prepared by the resident as soon as the patient arrives. A printed discharge summary is handed over to all the patients. We are maintaining soft copies of all the data, including operative and discharge summary.

**Surgeries:** The department of surgical oncology has all the facilities required for the surgical treatment of cancer patients. Apart from the conventional open surgeries, we perform minimal access surgery with the help of laparoscopic techniques as well as da Vinci Robotic Surgical System.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

- Vishnoi JR, Misra S. Loco regional flaps a boon for surgeons in head and neck reconstruction even in the era of microvascular flaps. *Indian J Surg Oncol* 2019; 10(4):575-6.
- Modi A, Dwivedi S, Roy D, Khokhar M, Purohit P, Vishnoi JR, Pareek P, Sharma S, Sharma P, Misra S. Growth differentiation factor 15 and its role in carcinogenesis: an update. *Growth Factors* 2019;37(3-4):190-207.
- Vishnoi JR, Kumar V, Srivastava K, Misra S. Primary Ewing's sarcoma of the temporal bone: a rare entity and review of the literature. *BMJ Case Rep* 2019;12(10).
- Vishnoi JR, Jain A, Misra S, Pareek P, Rao M, Sureka B, Puranik A. Paraneoplastic syndrome associated with the retroperitoneal dedifferentiated liposarcoma: an atypical presentation and review of the literature. *Indian J Surg Oncol* 2019;10(4):703-707.
- Vishnoi JR, Sasidhar A, Misra S, Pareek P, Khera S, Kumar S, Jain A. Hepatoblastoma in a young adult: a rare case report and review of the literature. *J Gastrointest Canc* 2020;51(1):319-24.
- Vishnoi JR, Kumar V, Gupta S, Chaturvedi A, Misra S, Akhtar N, Agarwal P, Jamal N, Pareek P. Outcome of sentinel lymph node biopsy in early-stage squamous cell carcinoma of the oral cavity with methylene blue dye alone: a prospective validation study. *Br J Oral Maxillofac Surg* 2019;57(8):755-759.

**Non-Pubmed Indexed:**

1. Arivazahan N, Jayakumar D. Modified Radical Mastectomy – skin incision pyramidal extension. University Journal of Surgery and Surgical Specialities 2019, 5(6).

**Workshops/ Conferences Organized:**

1. World Cancer Day 2020. Department of Surgical Oncology & Radiation Oncology, AIIMS, Jodhpur, 4<sup>th</sup> Feb 2020.

**Name of Faculty: Dr. Jeewan Ram Vishnoi**

**Designation: Assistant Professor**

**Books/Chapters**

1. Dwivedi S, Purohit P, Misra R, Lingeswaran M, Vishnoi JR, Pareek P, Sharma P, Misra S. Application of single-cell omics in breast cancer. In: Single-cell omics technological advances and applications, Barh D, Azevedo V (editors), 1<sup>st</sup> edition, London, Academic Press Elsevier 2019; 69-103.

**Papers Presented:**

1. Vishnoi JR. Robotic Total Hysterectomy B/L Salpingo-oophorectomy, and Pelvic Lymphadenectomy for Carcinoma Endometrium. National Conference of Indian Association of Surgical Oncology (NATCON IASO 2019); 20<sup>th</sup>-22<sup>nd</sup> Sep 2019, Kolkata
2. Vishnoi JR. Thoracoscopic management of chylous fistula following minimally invasive esophagectomy. National Conference of Indian Association of Surgical Oncology (NATCON IASO 2019); 20<sup>th</sup>-22<sup>nd</sup> Sep 2019, Kolkata
3. Vishnoi JR. Can we predict lymph node metastasis in early oral cancer through measuring tumor thickness by intraoral ultrasound? The 45<sup>th</sup> Annual Meeting of Korean Cancer Association & 5<sup>th</sup> International Cancer Conference 2019; 20<sup>th</sup>-21<sup>st</sup> June 2019, Seoul, Republic of Korea.
4. Vishnoi JR. Does pregnancy-associated breast cancer portend poor prognosis? A clinicopathological study from a cancer care centre. 2019 the Japanese Society of Medical Oncology Annual Meeting; 18<sup>th</sup> - 20<sup>th</sup> July 2019, Kyoto, Japan.
5. Vishnoi JR. A video on robotic right hemicolectomy with intracorporeal anastomosis (Colon cancer). Mid-term annual conference of Indian Association of Surgical Oncology 2020; 28<sup>th</sup> Feb- 1<sup>st</sup> Mar 2020, Tirupati.

**Sessions Chaired:**

1. Applications of robotics in neck dissections. 4<sup>th</sup> Congress of International Guild of Robotic and Endoscopic Head & Neck Surgery (IGReHNS); 4<sup>th</sup>-6<sup>th</sup> Oct 2019, Hayat Regency, Gurugram.

**Research Project Ongoing:****As Principal Investigator**

1. miR133a-3p and miR 9-5p) with Global methylation and promoter-specific methylation of the P16, SOCS-1, and SHP-1 genes and their expression in patients of Oral submucous fibrosis and Oral squamous cell carcinoma. AIIMS Jodhpur.

**As Co-Investigator**

1. A cross-sectional study analysing role of GDF-15 in induction of stemness of Triple negative breast cancer (TNBC). AIIMS Jodhpur
2. Expression of Nestin and CD 146 in breast carcinoma and its correlation with clinicopathological factors and immunohistochemical markers.

**Completed:****As Co-Investigator****Scientific Awards/Patents**

1. Travel grant, 45<sup>th</sup> Annual Meeting of Korean Cancer Association & 5<sup>th</sup> International Cancer Conference 2019, Seoul, Republic of Korea, 20<sup>th</sup> -21<sup>st</sup> June 2019.
2. Travel grant, Japanese Society of Medical Oncology 2019, Kyoto, Japan, 18<sup>th</sup> -20<sup>th</sup> July 2020.
3. A cash prize and award on a video on robotic right hemicolectomy with intracorporeal anastomosis (Colon cancer), Mid-term annual conference of Indian Association of Surgical Oncology 2020, Tirupati, 28<sup>th</sup> Feb- 1<sup>st</sup> Mar 2020.

**Membership/Post in Journal or Society or Association :****National/ International Conferences attended:**

1. Mid-term annual conference of Indian Association of Surgical Oncology 2020, Tirupati, 28<sup>th</sup> Feb – 1<sup>st</sup> Mar 2020,
2. National Conference of Indian Association of Surgical Oncology (NATCON IASO 2019), Kolkata, 20<sup>th</sup>-22<sup>nd</sup> Sep 2019
3. 4th Congress of International Guild of Robotic and Endoscopic Head & Neck Surgery (IGReHNS), Hayat Regency, Gurugram, 4<sup>th</sup>-6<sup>th</sup> Oct 2019.
4. The 45<sup>th</sup> Annual Meeting of Korean Cancer Association & 5<sup>th</sup> International Cancer Conference 2019, Seoul, Republic of Korea, 20<sup>th</sup>- 21<sup>st</sup> June 2019.
5. The Japanese Society of Medical Oncology 2019, Kyoto, Japan, 18<sup>th</sup> -20<sup>th</sup> July 2019
6. American College of Surgeon's 105<sup>th</sup> Annual Clinical Congress 2019, San Francisco, USA, 27<sup>th</sup> -31<sup>st</sup> Oct 2019.

**Name of Faculty: Dr. Jayakumar**

**Designation: Associate Professor**

**Journal Reviewer-**

1. Sultan Qaboos University Medical Journal.

**Papers Presented:**

1. Jayakumar D. Pregnancy and Cancer. Annual conference of The Association of Surgeons of India-Rajasthan Chapter. ASIRAJ-2019. 18<sup>th</sup>- 20<sup>th</sup>, October, 2019, AIIMS Jodhpur.
2. Jayakumar D. Fertility and Cancer. 79<sup>th</sup> Annual Conference of the Association of Surgeons of India. 79<sup>th</sup> ASICON 2019, 18<sup>th</sup> - 21<sup>st</sup> Dec 2019.

**Membership/Post in Journal or Society or Association :****Life Member**

1. Member; Indian Medical Association (IMA)
2. Member; Association of Surgeons of India (ASI)
3. Member; Indian Association of Surgical Oncology (IASO)
4. Member; Foundation for Head and Neck Oncology (FHNO)
5. Member; Association of Breast Surgeons of India (ABSI)
6. Member; Indian musculoskeletal Oncology Society (IMSOS)

## Department of Transfusion Medicine & Blood Bank

S.No.	Name	Designation
1	Dr. Archana Bajpayee	Additional Professor
2	Dr. Saptarshi Mandal	Associate Professor

### About the Department

The Blood Bank successfully completed 5 years and also processed additional license for collection plasmapheresis, leukapheresis and granulocyte concentrate this year. The Department of Transfusion Medicine provides a gamut of transfusion services. Apart from the basic functioning of provision of ID-NAT tested and consistently high quality blood components round the clock to AIIMS and other hospitals in Jodhpur, the Department also strives to provide PBM (patient blood Management) & customized Massive Transfusion Protocols, advanced therapeutic apheresis procedures (including first in India and first in State examples) and preparation of injectable autologous cellular products like PRP PRF, CGF etc. The Hospital Transfusion Committee of AIIMS Jodhpur was instrumental in increasing voluntary donations, minimizing unnecessary prophylactic transfusions, implementation of restrictive transfusion thresholds; single unit transfusion policy and use of autologous blood during surgeries.

### Academic events/activities:

The department has so far enrolled six MD Transfusion Medicine & one PDCC (Post-Doctoral-Certification-Course in Apheresis and Component Therapy) of which the PDCC candidate has completed the course this year and first batch of MD students expected to complete in mid-2020. The department has conducted two CMEs during the time period. The first in India Academic event of ISBT (International Society for Blood Transfusion) was organized by the Department on Patient Blood Management (PBM) in November 2019. A CME on HvPI (Hemovigilance Programme of India) was conducted in February 2020 in collaboration with NIB (National Institute of Biologicals).

**Blood & Platelet Donations:** Between April 2019 to March 2020, 4419 donors were screened and 3854 donated (19% increase over the last year), of which 30 were apheresis donors of which 2357 donations (61%) were from voluntary donors, including 1473 units collected from 34 camps held during this period. A Voluntary Donor Register and an ID-NAT tested voluntary SDAP donor pool are being maintained.

**Transfusion transmitted Infection screening:** The collected units were tested for HIV, HBV and HCV using ELISA and fully automated ID-NAT, and for syphilis (RPR) and malaria (Rapid Card). Screening for of 3854 donors showed 27 HBsAg (0.7%), 18 HCV (0.47%), 4 HIV (0.1%), 3 syphilis (0.08%) and 1 malaria (0.03%). Two HBsAg negative donors showed HBV positive by ID-NAT testing ie ID NAT yield 2 (0.05%). Positive donors were called for counselling, referral & follow up.

The ID-NAT laboratory of AIIMS Jodhpur has been functioning as a centralized testing center for other government hospitals in Rajasthan for the provision of NAT tested PRBC for thalassemia patients. Over 10,000 samples have been tested this year under this programme.

**Component Preparation:** From the beginning the blood bank has tried to maintain 100% components policy. During this year 10563 components were made (24% increase): Packed red Blood Cells (PRBC) 3786 (24% increase), Fresh Frozen Plasma (FFP) 3440 (18% increase), Random Donor Platelet (RDP) 2605 (19% increase), Single donor Apheresis Platelet (SDAP) 56, Cryoprecipitate (CRYO) 336, and CryoPoor Plasma (CPP) 138. For pediatric and other needy patients unit modifications e.g. Irradiation, Aliquoting, Leukofiltration, Reconstitution for neonatal/in-utero exchange transfusion etc. have been performed on demand prior to issuing.

**Issue of Components:** During this financial year 7819 components were issued (12% increase) including 3726 PRBCs (24% increase), 2187 FFP (6% decrease), 1648 RDP (21% increase), 56 SDAPs and 182 Cryoprecipitates.

**Apheresis:** AIIMS Jodhpur Blood Bank has two apheresis machines— one (Trima Accel) has performed 30 donor platelet apheresis, and the other Cobe-Spectra has been used for 96 Therapeutic apheresis

procedures for patients of GBS, aHUS, TTP, Polycythemia Vera with Thrombocytosis, ANCA associated vasculitis with RPGN, AAV & DAH, multiple myeloma, AIDP, Goodpasture syndrome etc, of which challenging/pioneering scenarios included 16 rounds of plasmapheresis on <10 Kg pediatric case, and Therapeutic Platelet Depletion (our center first in state).

**Therapeutic Phlebotomy:** This important modality of treatment has been performed on 59 occasions this year.

**Platelet rich Plasma/fibrin (PRP/PRF):** During this year, as a therapeutic service, the blood bank prepared injectable autologous PRP/PRF/CGF for 661 procedures (186% increase) in the departments of Orthopedics, Physical medicine & rehabilitation, Dermatology & Dentistry.

**Immunohematology:** The Blood Bank has been providing regular immunohematology (14567 patient blood grouping, 5539 crossmatching, 5694 coombs tests, Antibody screen and titre) as well as 28 specialized diagnostic services including evaluation for hemolytic anemia and PNH (Ham's test and sucrose lysis test).

**Name of Faculty: Dr Archana Bajpayee**  
**Designation: Additional Professor**

**Papers Presented:**

1. Bajpayee A. "Recipient Haemovigilance under HvPI: Scope, Terms, Definitions followed by case studies : CME on haemovigilance programme of India, Organized by National Institute of Biologicals, Ministry of Health & Family Welfare, Government of Indian collaboration with Drugs Control Organization, Rajasthan & All India Institute of Medical Sciences, Jodhpur on 10th Feb'2020
2. Revathy Nair, Bajpayee A. Impact of monitoring blood component administration quality indicators: an experience from a tertiary healthcare center in western India Poster ISBT Regional conference, Basel, Switzerland
3. P B Anne, A Bajpayee, A Mohammed, S Mandal, P Mishra "Feasibility and cost effectiveness of ID-NAT tested Double Dose Plateletpheresis in a resource limited setting". ISBT (International Society for Blood Transfusion) 2019 Bangkok.
4. PB Anne, A Bajpayee, M Kumar, G Bohra, A Sharma and S Mandal "Cost benefit analysis of the implementation of Patient blood management in a tertiary care centre in a developing country". Regional Congress ISBT (International Society for Blood Transfusion) 2019 Bangkok
5. P.B. Anne , A. Bajpayee. Technology enabled centralized NAT testing in Rajasthan Oral presentation in Transmedcon Mumbai, Jan 2020
6. P.B. Anne , A. Bajpayee. Application of microplate aggregometry for platelet function testing- cost effective and reliable method for quality testing of Random Donor Platelets. Poster Transmedcon Mumbai, Jan 2020
7. Babu Anne et al Management of allo-antibody to a high-frequency antigen mimicking anti-H in pregnant female with beta thalassemia major. Oral presentation in ISBT international CME on Patient Blood Management, Jodhpur
8. P B Anne, A Bajpayee, A Mohammed, S Mandal, P Mishra "Feasibility and cost effectiveness of ID-NAT tested Double Dose Plateletpheresis in a resource limited setting". Poster in Regional Congress ISBT (International Society for Blood Transfusion) 2019 Bangkok.
9. P B Anne, A. Bajpayee, M. Kumar, G. Bohra, A. Sharma, S. Mandal, "Cost benefit analysis of the implementation of Patient blood management in a tertiary care centre in a developing country". Poster Regional Congress ISBT (International Society for Blood Transfusion) 2019 Bangkok.

**Books/Chapters**

1. Dr Archana Bajpayee (2019) " Role and Responsibilities of Phlebotomy Assistant" in Basic Phlebotomy Assistance, IGNOU. Block 1 Unit 1 ISBN: 978-93-89200-75-1, pp. 5-17



2. Dr Archana Bajpayee. (2019) "Preparation for Sample Collection " in Skill for Phlebotomy Assistance, IGNOU. Block 1 Unit 2: ISBN: 978-93-89200-83-6, pp. 17-22.

#### **Invited Lectures**

1. "Recipient Haemovigilance under HvPI: Scope, Terms, Definitions followed by case studies: CME ON HAEMOVIGILANCE PROGRAMME OF INDIA Organized by National Institute of Biologicals, Ministry of Health & Family Welfare, Government of Indian collaboration with Drugs Control Organization, Rajasthan & All India Institute of Medical Sciences, Jodhpur on 10<sup>th</sup> Feb'2020
2. Rational use of blood products and Patient Blood Management: in CME conducted by Rajasthan State AIDS Control Society, Jaipur & Rajasthan State Blood Transfusion at State Institute of Health Family Welfare, Jaipur on 16 & 17 September' 2019.
3. Panelist in CME on Blood Safety and Quality: Infectious Disease 5<sup>th</sup> April'2019 at AIIMS New Delhi
4. Bajpayee A.(Speaker): "Recipient Haemovigilance under HvPI: Scope, Terms, Definitions followed by case studies : CME ON HAEMOVIGILANCE PROGRAMME OF INDIA Organized by National Institute of Biologicals, Ministry of Health & Family Welfare, Government of Indian collaboration with Drugs Control Organization, Rajasthan & All India Institute of Medical Sciences, Jodhpur on 10<sup>th</sup> Feb'2020
5. Bajpayee A. (Speaker): Rational use of blood products and Patient Blood Management: in CME conducted by Rajasthan State AIDS Control Society, Jaipur & Rajasthan State Blood Transfusion at State Institute of Health Family Welfare, Jaipur on 16 & 17 September' 2019.

#### **Resource Faculty:**

1. Member, Standing selection committee, AIIMS Nagpur for the selection of faculty posts in Transfusion Medicine on 23<sup>rd</sup> Feb 2020.
2. External expert for MD Transfusion Medicine thesis evaluation in SMS Jaipur, 5<sup>th</sup> Feb 2020
3. Indira Gandhi National Open University School of Health Sciences: Member of Curriculum designing committee and Block preparation committee for certificate in Phlebotomy Assistance.

#### **Research Project:**

##### **Ongoing:**

##### **As Co-Investigator**

1. A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion. Intramural
2. Red Cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome. Intramural.

##### **Completed:**

##### **As Investigator:**

1. Comparison of platelet aggregation and metabolic parameters of temperature cycled, cold stored and room temperature stored random donor platelets.

##### **As Co-Investigator:**

1. A Randomized Active Control Parallel Group Study for comparison of efficacy and safety of Concentrated Growth Factors and Platelet Rich Fibrin on stability and bone regeneration in patients with immediate dental implants

#### **Scientific Awards/Patents**

1. International Society of Blood Transfusion grant of 5000 Euro For conducting Patient Blood Management CME
2. ICMR grant of INR 40,000/- for conducting Immunohematology workshop.

#### **Examinership**

1. Member of Standing selection committee, AIIMS Nagpur for the selection of faculty posts in Transfusion Medicine on 23<sup>rd</sup> Feb 2020.
2. Thesis evaluation MD Transfusion Medicine in SMS Jaipur, 5th Feb 2020

**Membership/Post in Journal or Society or Association :**

1. International Society of Blood Transfusion (ISBT)
2. Reviewer of Journal of the Indian Academy of Geriatrics.

**Name of Faculty: Dr. Saptarshi Mandal**

**Designation: Associate Professor**

**Papers Presented:**

1. Mandal S. "Development of systematic educational methods with a pictorial series of gradually increasing complexity and real like situational challenge questions for teaching complex physics and mathematical principles in apheresis and their effective sandwich-Socratic educational approach" Poster: ASFA (American Society for Apheresis) April 2019 Annual Meeting, Portland Oregon, USA, Published in Journal of Clinical Apheresis Volume 34 Issue 2, p147, April 2019.
2. Khan A, Banerjee P, Mishra R, Arora M, Tailor D, Elhence P, Bajpayee A, Mandal S: Challenges and advantages of standardizing Acidified Glycerol Lysis Time (AGLT) test to study the Red Cell Storage Lesions. Oral\_Presentation at Transmedcon Mumbai, Jan 2020, National Annual Conference of ISTM (Indian Society for Transfusion Medicine), one of 9 Oral Presentations selected out of 260 abstracts
3. Richa Mishra, Dr. Anil Budania, Dr. Md. Atik Khan, Dr. Pradip Banerjee, Dr. Saptarshi Mandal, Non-inferiority of Platelet Rich Plasma prepared by soft single spin in comparison to double spin method, with respect to countable platelet fold increase & yield. Poster Presentation at Transmedcon Mumbai, Jan 20.
4. Pradip Banerjee, Surjit Singh, Md. Atik Khan, Rajat Ranka, Abhijeet S. Barath, Poonam Elhence, Dr. Ankita Chugh, Dr. Saptarshi Mandal, Platelet Function Testing by Whole Blood Platelet Count Drop Method in different patient groups including normal volunteers and patients on aspirin in a tertiary care hospital in North India. Poster Presentation at Transmedcon Mumbai, Jan 2020.
5. Babu Anne et al "Cost benefit analysis of the implementation of Patient blood management in a tertiary care centre in a developing country". Coauthor for Poster Regional Congress ISBT (International Society for Blood Transfusion) 2019 Bangkok.
6. P B Anne, A Bajpayee, A Mohammed, S Mandal, P Mishra "Feasibility and cost effectiveness of ID-NAT tested Double Dose Plateletpheresis in a resource limited setting". Coauthor for Poster in International conference abroad Regional Congress ISBT (International Society for Blood Transfusion) 2019 Bangkok.
7. Mandal S "Development of systematic educational methods with a pictorial series of gradually increasing complexity and real like situational challenge questions for teaching complex physics and mathematical principles in apheresis and their effective sandwich-Socratic educational approach" Poster at ASFA (American Society for Apheresis) April 2019 Annual Meeting, Portland Oregon, USA, Published in Journal of Clinical Apheresis Volume 34 Issue 2, p147, April 2019.
8. Khan A., Banerjee P., Mishra R., Arora M., Tailor D., Elhence P., Bajpayee A., Mandal S\*. (\*Corresponding author): Challenges and advantages of standardizing Acidified Glycerol Lysis Time (AGLT) test to study the Red Cell Storage Lesions. Oral\_Presentation at Transmedcon Mumbai, Jan 2020, National Annual Conference of ISTM (Indian Society for Transfusion Medicine), one of 9 Oral Presentations selected out of 260 abstracts accepted from all over India.
9. Richa Mishra, Dr. Anil Budania, Dr. Md. Atik Khan, Dr. Pradip Banerjee, Dr. Saptarshi Mandal<sup>1\*</sup> (\*Corresponding author), Non-inferiority of Platelet Rich Plasma prepared by soft single spin in comparison to double spin method, with respect to countable platelet fold increase and yield. Poster Presentation at Transmedcon Mumbai, Jan 2020.
10. Pradip Banerjee, Surjit Singh, Md. Atik Khan, Rajat Ranka, Abhijeet S. Barath, Poonam Elhence, Dr. Ankita Chugh\*, Dr. Saptarshi Mandal\* (\*Corresponding authors), Platelet Function Testing by Whole

Blood Platelet Count Drop Method in different patient groups including normal volunteers and patients on aspirin in a tertiary care hospital in North India. Poster Presentation at Transmedcon Mumbai, Jan 2020.

#### Sessions Chaired:

1. "Principles and Troubleshooting of Apheresis: Understanding How It All Works with as Little Math As Possible" at AABB (American Association for Blood Banks) Annual Meeting, Oct 17-22, 2019, Henry B. Gonzalez Convention Center, San Antonio, Tx, USA. First from India to AABB annual meeting as Session Chair and Speaker for a 1.5 hr full session, with co-speaker from MD Anderson Cancer.

#### Invited Lectures

1. Mandal S. (Speaker & Chair\*) & Torloni A.S. (Speaker): "Principles and Troubleshooting of Apheresis: Understanding How It All Works with as Little Math As Possible" at AABB (American Association for Blood Banks) Annual Meeting, Oct 17-22, 2019, Henry B. Gonzalez Convention Center, San Antonio, Tx, USA. \*First from India to AABB annual meeting as Session Chair and Speaker for a 1.5 hr full session. Recording available as education material for AMA Category I CME/SAM (1.50 credits) active till 31 Dec 2021 on Website.
2. Advanced Concepts in Centrifugal Apheresis, Invited Seminar at Division of Pediatric Apheresis, 26<sup>th</sup> October 2019, Academic Block, AIIMS New Delhi
3. "Whole blood Rapid lab diagnostics based on particle aggregometry", at Brain Storming session at AIIMS Jodhpur IIT Collaborative meeting on 13<sup>th</sup> October 2019.

#### Symposium Speaker

1. Dr. Saptarshi Mandal, Speaker and Chair: "Principles and Troubleshooting of Apheresis: Understanding How It All Works with As Little Math As Possible" AABB (American Association for Blood Banks) Annual Meeting, Tuesday, October 22, 2019 TU1-7: 07:00 AM - 08:30 AM, Room 303 - Henry B. Gonzalez Convention Center, San Antonio, Tx. Speaker & Chair first time from India, co speaker from MD Anderson Cancer Center. Session approved for 1.5 hr CME as well as SAM (Self Assessment Module) accredited by American Medical Association (AMA) for PRA Category I CME & SAM credits (meeting proceeding recording will continue as CME/SAM till Dec 2021).
2. Mandal S (Speaker): "Advanced Concepts in Centrifugal Apheresis", Invited Seminar at Division of Pediatric Apheresis, 26<sup>th</sup> October 2019, Academic Block, AIIMS New Delhi
3. Mandal S (Speaker) "Whole blood Rapid lab diagnostics based on particle aggregometry", at Brain Storming session at AIIMS Jodhpur IIT Collaborative meeting on 13<sup>th</sup> October 2019.

#### Resource Faculty:

1. Dr S Mandal mentored and wrote Letters of recommendation for three first Batch (2012) AIIMS Jodhpur MBBS Students for going to USA for higher education, all 3 selected at prestigious US Universities: one Student Selected at PhD in Mayo Clinic, one matched for Residency in Internal Medicine at University of Connecticut and another matched for Internal Medicine at another program affiliated to Northwestern University Chicago.
2. Annual Meeting Talk delivered by Dr S Mandal & Dr AS Torloni, Chaired by Dr S Mandal at AABB Annual Meeting 2019 shortlisted by AABB as education review video for CME till Dec 31, 2021

#### Research Project:

##### Ongoing:

##### As Co-Investigator

1. A split scalp and face study to evaluate the effects of Platelet Rich Plasma (PRP) prepared and activated by two different methods in Androgenetic Alopecia and Periorbital hyperpigmentation, AIIMS Jodhpur Intramural

2. MiR-24 and Th17/Treg-imbalance as markers for disease activity in patients with rheumatoid arthritis and its correlation with clinical assessment of disease activity, AIIMS Jodhpur Intramural

#### **Completed:**

##### **As Principal Investigator**

1. Guide for ICMR Awarded MD Transfusion Medicine Thesis Project titled: Study of storage quality parameters of banked whole blood (WB) and packed red blood cells (PRBC) units in relation to extra-cellular histone before and after leukodepletion.
2. Faculty Mentor for ICMR STS 2019 Project: "study of the effects of blood unit aliquot size and orientation of bag during storage on potassium leaking in irradiated and nonirradiated red cell units."

##### **As Co-Investigator**

1. Post-operative bleeding in patients on Aspirin therapy regimens: A observational study, AIIMS Jodhpur Intramural

##### **Scientific Awards/Patents**

1. ICMR MD Thesis Award of Rs 50,000/- conferred to MD Transfusion Medicine Thesis of MD student: "Study of storage quality indicators and intracellular microRNA in stored Whole Blood (WB) and Packed Red Cell (PRC) units with or without leukodepletion and irradiation." selected among top 50 MD/MS/MDS/DM/MCh theses from India, per award letter dated 30.07.2019.
2. ICMR Short Term Studentship (STS-2019) Award of Rs 20,000/- award to MBBS mentee for Project "study of the effects of blood unit aliquot size and orientation of bag during storage on potassium leaking in irradiated and nonirradiated red cell units." ICMR project report completed and acknowledged by ICMR as satisfactory.
3. Oral Presentation (one of 9 Oral Presentations selected out of 260 abstracts) at Transmedcon Mumbai, Jan 2020, National Annual Conference of ISTM (Indian Society for Transfusion Medicine 10<sup>th</sup> Jan 2020 to MD student for presenting a part of guided thesis work.
4. Selected as first Speaker & Chair from India for AABB Annual Meeting 2019, San Antonio, TX, USA on Oct 22, 2019 for presenting: "Principles and Troubleshooting of Apheresis: Understanding How It All Works with as Little Math as Possible", shortlisted by AABB as education review video for CME/SAM till Dec 31 2021.

##### **Membership/Post in Journal or Society or Association :**

1. Project Reviewer; SERB Department of Science & Technology (DST)
2. Reviewer; BMJ Case Reports
3. Reviewer; Indian Journal of Pediatrics
4. Member; AABB (American Association for Blood Banks).
5. Member; International Affairs Committee of ASFA (American Society for Apheresis)

##### **International Conferences attended:**

1. AABB (American Association for Blood Banks) Annual Meeting, San Antonio TX, USA, 17<sup>th</sup>-22<sup>nd</sup> Oct 2019

##### **Workshops/ Conferences Organized**

1. 2 day CME on **Patient Blood Management** on 29<sup>th</sup> & 30<sup>th</sup> November 2019 academic event in collaboration with ISBT (International Society of Blood Transfusion) and Indian Council of Medical Research (ICMR), with Guest Faculty from ISBT (Prof. Erica Wood from Monash Univ. Australia, President-Elect of ISBT, immediate past-President of the International Haemovigilance Network, past-President of the Australian and New Zealand Society of Blood Transfusion) and Eminent Transfusion Medicine Experts from India.

2. Workshop/ CME on **Haemovigilance Programme of India (HvPI)** being organized at All India Institute of Medical Sciences (AIIMS) Jodhpur, Rajasthan on 10th February, 2020 in Collaboration with National Institute of Biologicals (NIB), NOIDA, Ministry of Health & Family Welfare, Government of India as the National Coordinating Centre (NCC) & Drugs Controller, Rajasthan, Government of Rajasthan

#### **Eminent Visitors:**

1. Prof. Erica Wood from Monash University, Australia, President-Elect of ISBT (International Society of Blood Transfusion), immediate past-President of the International Haemovigilance Network, past-President of the Australian and New Zealand Society of Blood Transfusion was our eminent visitor during this year.

#### **Conferences/ CMEs organized by the Department**

##### **Introducing PBM: Transition From Product To Patient Centric Approach**

An ISBT academy event dedicated to patient blood management (PBM) was organized for the first time in India by Department of Transfusion Medicine and Blood bank, All India Institute of Medical Sciences, Jodhpur in collaboration with International Society of Blood Transfusion (ISBT) and Indian Council of Medical Research (ICMR) on November 29<sup>th</sup> and 30<sup>th</sup>, 2019.

The motivation behind the event was the staggering results that we have observed in our patients with the implementation of PBM principles and our attempt to learn more and the desire to spread awareness regarding PBM among our fraternity. The two day academic event featured about 12 speakers from various disciplines across India sharing their knowledge and experiences to an audience of about 200 delegates from various clinical disciplines including transfusion medicine professionals, as well as officials from the regulatory bodies concerned with Blood transfusion services in India

Dr. Zarin S. Bharucha spoke about the challenges faced by the fragmented blood transfusion services in India and the steps to prevent proliferation of new blood banks. Prof. Erica Wood introduced the concept of PBM to the audience and stressed on the fact that PBM is not anti-transfusion but the use of evidence based and individualized transfusion for better patient outcomes. She outlined the steps and challenges to implement PBM on a national scale with the Australian example and also stressed on the importance of correction of pre-operative anemia, use of Tranexamic acid and cell salvage in reducing intraoperative bleeding.

Dr. Sampath Kumar, a well noted cardiothoracic surgeon, stressed on the blood conservation approaches in open heart surgeries which helped him avoid transfusion in 83% of his patients undergoing open-heart surgeries. Dr. R.K. Chaudhary estimated the prevalence of inappropriate transfusions to be more than 40% in India.

Dr. Mritunjay Kumar, anesthesiologist, spoke about PBM initiatives undertaken at AIIMS, Jodhpur which reduced the overall transfusion requirements by more than 50%. The scientific sessions also included anemia management in patients of chronic kidney disease by Dr. Manish Chaturvedi (Nephrologist) and evidence based guidelines for transfusion of plasma and platelet components by Dr. Meenu Bajpai.

Two panel discussions were conducted on National Blood and Plasma Policy of India and on the role of bedside visits by Transfusion Medicine practitioners in improving Blood Safety. Speakers deliberated on the non-viability of small blood banks and the drawbacks of fragmented transfusion services in the regulation of quality of components and implementation of PBM. The role of bedside visits and joint clinical rounds with transfusion practitioners were emphasized for the better implementation of PBM. Two workshops were also conducted during the event on unconventional Immunohematological techniques by Dr. Sanmukh Joshi and on Apheresis and role of transfusion medicine physicians in hematopoietic stem cell transplants by Dr. Aseem Tiwari.

The PBM drive is gaining momentum worldwide, and this is the first sensitization event dedicated to introduce the concept in India. We hope that more hospitals would be forthcoming and to accelerate the adoption of PBM, National Blood Transfusion council (of India) be empowered to make and implement a national PBM program.

## Department of Trauma & Emergency

S.No.	Name	Designation
1	Dr. Mahaveer Singh Rodha	Additional Professor (General Surgery)
2	Dr. Ankur Sharma	Assistant Professor (Anaesthesiology)
3	Dr. Kamal Kant Shukla	Assistant Professor (Biochemistry)
4	Dr. Pawan Kumar Dixit	Assistant Professor (Burns & Plastic Surgery)
5	Dr. Rahul Choudhary	Assistant Professor (Cardiology)
6	Dr. Surendra Patel	Assistant Professor (CTVS)
7	Dr. Manisha Jhirwal	Assistant Professor (Obestrectics & Gynecology)
8	Dr. Nilesh Barwar	Assistant Professor (Orthopedics)
9	Dr. Bharat Choudhary	Assistant Professor (Pediatrics)
10	Dr. Kokkula Praneeth	Assistant Professor (Neurosurgery)

### About The Department:

The department of Trauma and Emergency Department became functional in 2017. It comprises specialists from various departments who are available round the clock, to provide high-quality emergency patient care services. The emergency services available on the ground floor, AIIMS Jodhpur begin with patient triage for initial management, backed by dialysis facility and ventilator support as needed.

### Name of Faculty: Dr. Mahaveer Singh Rodha

### Designation: Additional Professor

### Papers Presented:

1. E-Poster on TEP vs TAPP: Groin hernia Diagnostic and treatment challenges A case report and literature review.
2. Video presentation on Role of VATS in Neuroendocrine tumor. ICS-IS 2019, Mysore.
3. Video presentation: Badkur M. Lodha M. Amyand's hernia: A rare presentation. Annual conference of the association of Surgeons of India –Rajasthan Chapter ASIRAJ-2019 during 19<sup>th</sup> - 20<sup>th</sup> October 2019, AIIMS, Jodhpur.
4. E-poster on enhanced view totally extra peritoneal repair of ventral hernia. Kompally P, Rodha MS. Sharma N. Lodha M Association of Surgeons in training March 6<sup>th</sup> to 8<sup>th</sup> 2020 Birmingham.
5. 'Acquired Trachea-Esophageal Fistula In Children: Our Clinical Experience In Diagnosis And Management'

### Sessions Chaired:

1. Poster Judging and Video session. 65<sup>th</sup> International College of Surgeons- Indian Section (ICSISCON); 11<sup>th</sup> – 13<sup>th</sup> October 2019, Mysore

### Invited Lectures

1. Role of VATs in Neuroendocrine tumour. coordinator of workshop "Advanced Surgical Skills in Emergency & Trauma (ASSET) Cadaveric Workshop" in National Conference of Emergency Medicine (EMIINDIA-2019); 31<sup>st</sup> July – 4<sup>th</sup> August 2019, AIIMS NEW DELHI

2. Revising the Surgical Anatomy of the Breast , Revising the Surgical Anatomy of the axila, Planning incisions in breast surgery, Ten commandments of MRM, Sentinel lymph node biopsy, ASOMACON-2019 , 3<sup>rd</sup> Annual conference of the Asian society of Mastology; 15<sup>th</sup> – 17<sup>th</sup> Nov 2019, Bhubaneswar
3. ASIRAJ 2019, Organised by Rajasthan Chapter of Association of Surgeons of India; 18<sup>th</sup> - 20<sup>th</sup> October, AIIMS Jodhpur
4. Surgical Congress of the College of Surgeons of Sri Lanka; 22<sup>nd</sup> -24<sup>th</sup> August 2019, Lighthouse, Galle, Sri Lanka

#### **Research Project:**

##### **Ongoing**

##### **As Co-Investigator**

1. A country- Level gap analysis of the current status of emergency and injury care at secondary and tertiary care centres in India.
2. Vascularity of testes in laparoscopic inguinal hernia surgery.
3. Study of practice trends of groin hernia surgery in state of Rajasthan.
4. Knowledge, Attitude, Practice and behavior regarding Breast cancer and its prevention among females coming to surgery OPD at AIIMS, Jodhpur.
5. Comparative study of open and laparoscopic ventral hernia repair: A Prospective single-center study at AIIMS, Jodhpur.
6. Predicting the outcome of chest injury patients by Thorax trauma severity score at AIIMS, Jodhpur: An observational study.
7. The effect of vacuum assisted closure therapy in diabetic foot ulcer patient.

**Name of Faculty: Dr. Ankur Sharma**

**Designation: Assistant Professor**

**(Trauma & Emergency, Anesthesiology)**

#### **Sessions Chaired:**

1. Foreign body in the airway, Is spontaneous breathing better than controlled ventilation?IAPA Con; 9th Feb 2020, Varanasi
2. Panel discussion on Palliative care: bridging the gap between disease modification and end-of-life care. 8th International Conference on Pain Management (ICPM-2019); 12-15 October 2019, Government Medical College & Hospital, Chandigarh

#### **Invited Lectures**

1. Adverse effect of Oxygen Therapy in ICU. North East Zone Critical Care CME/ CNE & Conference (NEZCCON) 2019, 8<sup>th</sup> – 10<sup>th</sup> November 2019, NEIGRIHMS, Shilong
2. Cylinders & manifold. Post Graduate Assembly 2019, Department of Anaesthesiology, Pain Medicine & Critical Care, 29th September to 3rd October, AIIMS
3. Recent Guidelines on Sedation and Analgesia in ICU. RAJCRITICON 2019, 31<sup>st</sup> Aug – 1<sup>st</sup> Sept 2019, AIIMS, Jodhpur
4. Palliative Care in children :Translating guidelines into practice. Paediatric anaesthesiology CME, 20<sup>th</sup> – 21<sup>st</sup> July 2019, AIIMS, Jodhpur

#### **Resource Faculty:**

1. Ultrasound Guided Regional Anesthesia -TAP and Rectus sheath Block -Workshop Faculty Invitation. The 11<sup>th</sup> National and 1<sup>st</sup> International Conference of the Indian College of Anaesthesiologists, ICACON 2019; 5<sup>th</sup> – 8<sup>th</sup> Sept 2019, New Delhi
2. Conducted Mock test Critical Care-Critical Care Mock Test CCMT 2020. 7<sup>th</sup> March 2020 by SATS Academy
3. Resource person. Low flow anesthesia workshop; 7<sup>th</sup> March 2020, Department of Anesthesiology, AIIMS Jodhpur
4. Resource Faculty. IAPC Course; 30<sup>th</sup> Nov – 1<sup>st</sup> Dec 2019, AIIMS Jodhpur
5. Resource Faculty. AHA certified BLS & ACLS courses on 12<sup>th</sup> Sept 2019, Vyas Dental College & Hospital, Jodhpur
6. Resource Faculty, Paediatric airway workshop & paediatric anaesthesiology CME; 20<sup>th</sup> – 21<sup>st</sup> July 2019, AIIMS Jodhpur
7. Rajcriticon 2019; 31<sup>st</sup> August – 1<sup>st</sup> September 2019, AIIMS Jodhpur
8. End-of-Life Nursing Education Consortium (ELNEC). 8<sup>th</sup> – 10<sup>th</sup> August 2019, AIIMS Jodhpur

### Research Project:

#### Ongoing:

#### As Co-Investigator

1. Comparison of caudal dexmedetomidine and midazolam added to ropivacaine during infra-umbilical surgeries in children:
2. A randomised controlled trial Cross-sectional evaluation of prevalence of depression in patients with Nociceptive and Neuropathic pain in Indian Subpopulation
3. Effect of music on anxiety and physiologic parameters in trauma patients posted for orthopedic surgery: Randomized control trial
4. Evaluation of Qnox as an objective marker of analgesia and responsiveness to nociception under general anaesthesia: a prospective observational study
5. Assessment of pain on propofol injection with varying size of cannula in children undergoing surgery: An observational study
6. Comparing diagnostic accuracy of presepsin & procalcitonin for sepsis in critically ill patients: a prospective observational study
7. Comparison of norepinephrine & terlipressin versus norepinephrine alone in management of septic shock: a randomized control study.

#### National/ International Conferences attended:

1. ATLS. AIIMS, Jodhpur, 28<sup>th</sup> -30<sup>th</sup> Nov 2019.
2. Cardiology update. AIIMS, Jodhpur, 18<sup>th</sup> - 19<sup>th</sup> Jan 2020
3. Workshop on ultrasonographic pain medicine. PMR Department, AIIMS, Jodhpur, 19<sup>th</sup> -20<sup>th</sup> Oct 2020
4. Workshop on Systematic Reviews Using R. Christian Medical College, Vellore, 12<sup>th</sup> -14<sup>th</sup> Dec 2019

#### Any other information:

1. One month Observer ship in Surgical Critical Care at University of Michigan, Ann Arbor, United States of America from 8<sup>th</sup> May - 7<sup>th</sup> June 2019

**Name of Faculty: Dr. Kamla Kant Shukla**  
**Assistant Professor**  
**(Trauma & Emergency Biochemistry)**

#### Book Chapters



1. Verma SS, Rai V, Shukla KK, Gupta SC. Regulation of non-coding RNAs by phytochemicals for cancer therapy. *Nutritional Epigenomics*. Bradley S. Ferguson et al (Editor), 1<sup>st</sup> edition, Elsevier. 2019; 14: 371-380.

#### **Papers Presented:**

1. Shukla KK, Sharma P. Impact of mitochondrial gene expression through hypothalamus-pituitary-gonadal axis in infertile males on 7<sup>th</sup> Seoul International Congress of Endocrinology and Metabolism (SICEM 2019); 18<sup>th</sup> -21<sup>th</sup> April 2019, Seoul, South Korea.

#### **Symposium Speaker:**

1. Shukla KK, Sankanagoudar S, Choudhary GR, Vishnoi JR, Pareek P, Sharma P, Misra S. Impact of microRNA expression and characterization of cancer stem cell in prostate cancer at Indian Academy of Biomedical Sciences (IABSCON 2020); 27<sup>th</sup> - 29<sup>th</sup> Feb 2020, D.Y.Patil Medical College, Kolhapur, Maharashtra.

#### **Research Project:**

##### **Ongoing:**

1. Association of miR-21, miR-141, miR-145 and miR-10b in the induction and propagation of cancer stem cell in prostate cancer. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).

##### **As Co-Investigators:**

1. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate cancer patients. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
2. Interleukin IL-1A and IL-1Ra Gene Polymorphism and Susceptibility to Rheumatoid Arthritis in Indian populations. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
3. To assess the validity of reference ranges of different semen parameters recommended by WHO laboratory manual for the Examination and processing of human semen and to analyse the correlation of sperm DNA fragmentation levels with male fertility status. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).
4. Expression of circulating miRNA 21 and 155 in patients with Bronchial Asthma and their association with lung function and treatment response—A Prospective Observational Case-Control Study. Funded by All India Institute of Medical Sciences, Jodhpur (2019-20).
5. Assessment of urinary carcinogens level and urine cytology among industry and non-industry workers in Jodhpur. Funded by All India Institute of medical sciences, Jodhpur. Funded by Indian Council of Medical Research, New Delhi. ICMR- 2020-5410.

##### **Completed:**

1. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus. Funded by All India Institute of Medical Sciences, Jodhpur (2017-19).

##### **Scientific Awards:**

1. Travel award for oral presentation on 7<sup>th</sup> Seoul International Congress of Endocrinology and Metabolism (SICEM 2019); 18<sup>th</sup>-21<sup>st</sup> April 2019, Seoul, South Korea.

##### **Membership/Post in Journal or Society or Association :**

1. Life member; Indian Academy of Biomedical Sciences (IABS)

##### **Examinership:**

1. M.Sc. Medical Biochemistry, Era University, Lucknow, 27<sup>th</sup> November 2019.

**Name of Faculty: Dr Pawan Kumar Dixit**  
**Designation: Assistant Professor**  
**(Trauma and Emergency, Burns and Plastic surgery)**

**Papers Presented:**

1. Dixit Pawan K, Sahu RK, Kala PC, Katrolia D, Chakraborty S, Suresh K Finger pulp reconstruction with Thenar flap: Aesthetic and functional outcome. 43<sup>rd</sup> Annual Conference of the Indian Society for Surgery of the Hand (ISSH); 11<sup>th</sup>-13<sup>th</sup> Sep 2019, Puri, Odisha
2. Dixit Pawan K. Various flaps in management of patients with high voltage electrical burn: A single institution experience. 54th Annual Conference of the Association of Plastic Surgeons of India (APSI); 11<sup>th</sup> – 15<sup>th</sup> Dec 2019, Bhubaneswar, Odisha
3. Dixit Pawan K, Sahu RK, Kala PC, Katrolia D, Chakraborty S, Suresh K. Finger pulp reconstruction with Thenar flap: Aesthetic and functional outcome. 54th Annual Conference of the Association of Plastic Surgeons of India (APSI); 11<sup>th</sup> – 15<sup>th</sup> Dec 2019, Bhubaneswar, Odisha

**Invited Lectures**

1. Primary management of soft tissues injuries including dirty wounds and tetanus prophylaxis, AOCMF Introductory Seminar, 10<sup>th</sup> -11<sup>th</sup> Aug 2019, AIIMS Jodhpur

**Membership/Post in Journal or Society or Association**

1. Member; Association of Plastic Surgeons of India
2. Member; Indian Society for Surgery of the Hand
3. Co-editor; Rajasthan Association of Plastic Surgeons

**National/ International Conferences attended:**

1. Hand surgery workshop. Indian Society for Surgery of the Hand, Puri, Odisha, 12<sup>th</sup> Sep 2019
2. Ganga hand operative course. Ganga Hospital, Coimbatore, 30<sup>th</sup>-31<sup>st</sup> May & 1<sup>st</sup> June 2019
3. Nabi Mid Term CME 2019, Department of Burns and Plastic Surgery, AIIMS, Jodhpur, 3-4 August 2019
4. AOCMF Introductory Seminar, Department of Dentistry, AIIMS, Jodhpur 10<sup>th</sup> – 11<sup>th</sup> August 2019,
5. ISSHCON 2019, Indian Society for Surgery of the Hand, Puri, Odisha, 11<sup>th</sup>-13<sup>th</sup> Sep 2019
6. Workshop on vascularized composite allotransplantation. 14th Congress of the International Society of Vascularized Composite Allotransplantation, AIIMS, Delhi. 28<sup>th</sup> -29<sup>th</sup> Sep 2019
7. Workshop on Suicide Prevention and Safety Planning: How can we help. Department of Psychiatry, AIIMS, Jodhpur, 11<sup>th</sup> Oct 2019
8. Cadaveric Flap Dissection Course. Department of Burns and Plastic Surgery, AIIMS Jodhpur, 8<sup>th</sup> – 9<sup>th</sup> Nov 2019
9. APSICON 2019. Association of Plastic Surgeons of India, Bhubaneswar, Odisha, 11<sup>th</sup> – 15<sup>th</sup> Dec 2019
10. ONCORECON. Rajasthan Association of Plastic Surgeons, Jaipur, 1<sup>st</sup> – 2<sup>nd</sup> Feb 2020
11. Global rhinoplasty update. Naksh Rhinoplasty Center, Jaipur, 22<sup>nd</sup> -23<sup>rd</sup> Feb 2020

**Name of Faculty: Dr Rahul Choudhary**  
**Designation: Assistant Professor**  
**(Trauma and Emergency Cardiology)**

**Papers Presented:**

1. Percutaneous Coronary Intervention in Bifurcation Lesion in ACS. 11th INDIA LIVE National Course on Percutaneous Cardiovascular Intervention; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, New Delhi.
2. The Mystery of Coronary Haemothorax-sealing the leak. 11th INDIA LIVE-National Course on Percutaneous Cardiovascular Intervention; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, New Delhi.
3. Interesting case presentation. Advanced Cardiology Meeting & International FESC Program. Cardiovascular Society of India; 7<sup>th</sup> -9<sup>th</sup> Feb 2020, Mumbai, India.

#### **Sessions Chaired:**

1. Left Main Bifurcation: Distal LM, Complex Cardiovascular Therapeutics (CCT) 2019; 24<sup>th</sup> -26<sup>th</sup> Oct 2019, Kobe, Japan.
2. Percutaneous Valve Conclave, 11th INDIA LIVE-National Course on Percutaneous Cardiovascular Intervention; 28<sup>th</sup> Feb-1<sup>st</sup> March 2020, New Delhi.

#### **Invited Lectures**

1. NOACS Current status in AF: Clinical Evidence. AIIMS Jodhpur Cardiology Update, 18<sup>th</sup> -19<sup>th</sup> Jan 2020.

#### **Symposium Speaker**

1. Role of Cardiologist in Trauma Team. Trauma Update and protocol meeting for Trauma and Emergency; 9<sup>th</sup> April 2019, AIIMS, Jodhpur

#### **Resource Faculty:**

1. FAST. Initial Management of Trauma; 4<sup>th</sup> May 2019, AIIMS, Jodhpur.
2. Echocardiography workshop. AIIMS Jodhpur Cardiology Update; 18<sup>th</sup> -19<sup>th</sup> Jan 2020, AIIMS Jodhpur.

#### **Membership/Post in Journal or Society or Association**

1. Lifetime Member; Cardiological Society of India

#### **National/ International Conferences attended:**

1. AICT-Asia PCR, Singapore, 4<sup>th</sup> -6<sup>th</sup> July 2019.
2. Complex Cardiovascular Therapeutics (CCT) 2019, Kobe, Japan, 24<sup>th</sup> -26<sup>th</sup> Oct 2019.
3. Advanced Cardiology Meeting & International FESC Program, Cardiovascular Society of India, Mumbai, 7<sup>th</sup> -9<sup>th</sup> Feb 2020
4. 11th INDIA LIVE-National Course on Percutaneous Cardiovascular Intervention, New Delhi, 28<sup>th</sup> Feb-1<sup>st</sup> March 2020
5. AIIMS Jodhpur Cardiology Update, AIIMS, Jodhpur, 18<sup>th</sup> -19<sup>th</sup> Jan 2020

**Name of Faculty: Dr. Surendra Patel**

**Designation: Assistant Professor**

**(Trauma and Emergency Cardiothoracic Surgery)**

#### **Papers Presented:**

1. Sharma AK, Patel S, Khera PS, Garg P, Puranik A. Initial experience of management of Peripheral Vascular disease in Tertiary care center in Western Rajasthan. 26<sup>th</sup> Annual Conference of Vascular Society of India; 17<sup>th</sup>-20<sup>th</sup> October 2019, Hyderabad, India.

#### **Sessions Chaired:**

1. Carotid Artery Stenting. 1<sup>st</sup> AIIMS Jodhpur- Neuroradiology (AJ-NR) Update; 16<sup>th</sup> -17<sup>th</sup> November 2019, AIIMS, Jodhpur

**Resource Faculty:**

1. Initial Management of Trauma. Department of Trauma and Emergency, 4<sup>th</sup> May 2019, AIIMS, Jodhpur.

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion.  
Intramural project.

**National/ International Conferences attended:**

1. Emergency Cardiology Inaugural National Summit (EMCARD-2019), Goa, India, 10<sup>th</sup> – 12<sup>th</sup> May 2019.
2. Structural Heart India & The Vein Workshop, Cardiovascular Therapeutics, New Delhi, India, 17<sup>th</sup> -18<sup>th</sup> August 2019.
3. 26<sup>th</sup> Annual Conference of Vascular Society of India (VSICON), Hyderabad, India, 17<sup>th</sup>-20<sup>th</sup> October 2019.
4. 1<sup>st</sup> AIIMS Jodhpur- Neuroradiology (AJ-NR) Update, Department of Diagnostic and Interventional Radiology, AIIMS, Jodhpur, 16<sup>th</sup> -17<sup>th</sup> November 2019.
5. Introducing PBM- 'Transition from Product to Patient Centric Approach', Department of Transfusion Medicine and Blood Bank, AIIMS, Jodhpur, 29<sup>th</sup> -30<sup>th</sup> November 2019.
6. AIIMS JODHPUR Cardiology Updated 2020, Department of Cardiology, AIIMS Jodhpur, 18<sup>th</sup> -19<sup>th</sup> January 2020.

**Name of Faculty: Dr Manisha Jhirwal**

**Designation: Assistant Professor**

**(Trauma and Emergency Gynecology and obstetrics)**

**Books/Chapters**

1. Jhirwal M. Tissue Retrieval in Laparoscopy. Dr. Pratibha Singh, Dr. Shashank Shekhar (editor), 1<sup>st</sup> Edition, Jodhpur; Department of obstetrics & gynecology, AIIMS jodhpur; 2019: 118-122.

**Papers Presented:**

1. Jhirwal M. Smartphone: Can it be used in medical education; Poster presentation in National Conference on Pediatric education (NCPE), AIIMS JODHPUR ;3<sup>rd</sup> to 5<sup>th</sup> November 2019.
2. Jhirwal M. Cytokines in endometriosis associated infertility in reproductive age group, National Conference; 63<sup>RD</sup> All India Congress of Obstetrics and Gynecology 2020; 29<sup>th</sup> January 2020 to 2<sup>nd</sup> February, 2020, Lucknow, UP.

**Sessions Chaired:**

1. Management of PCOS, CME ON PCOS, 28<sup>th</sup> July 2019, AIIMS Jodhpur,

**Invited Lectures:**

1. Skill station on Breech Delivery, 63<sup>RD</sup> All India Congress of Obstetrics and Gynecology 2020; 29<sup>th</sup> January 2020 to 2<sup>nd</sup> February, 2020, Lucknow, Uttar Pradesh.

**Resource Faculty:**

1. 3<sup>rd</sup> Certificate Course On Basics Laparoscopic Gynecology Surgery; 10-12 April 2019, AIIMS, Jodhpur.
2. CME on Fetal Medicine; 12<sup>th</sup> May 2019, AIIMS, Jodhpur
3. ReproMed Update 2019, AIIMS Jodhpur, 21<sup>st</sup> -22<sup>nd</sup> December 2019.
4. 1<sup>st</sup> Rajasthan State Chapter Conference of Association of Gynecologic Oncologist of India RAJ-AGOICON 2020; 22<sup>nd</sup> -23<sup>rd</sup> February 2020, AIIMS Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator**

1. Maternal and Perinatal outcome in Intrahepatic Cholestasis of Pregnancy. Non funded

**As Co-Investigator**

1. Is QF-PCR, for prenatal diagnosis of chromosomal abnormalities in amniotic fluid samples, a substitute for conventional Karyotyping or Is it complementary- A comparative analysis
2. Prenatal diagnosis of Non immune Hydrops Fetalis and their perinatal outcome- single Centre experience.
3. Laparoscopic Neo-Vaginoplasty: Single Centre Experience
4. The measurements of 'normal vulva' of Indian women: a cross-sectional prospective study.
5. Medium Term Anatomical and Functional Results of Isolated Laparoscopic Sacrocolpopexy during The Early Learning Curve.
6. Retrospective analyses of primary debulking and interval debulking surgery in cases of Carcinoma Ovary.

**Membership/Post In Journal Or Society Or Association-**

1. Membership of Federation of Obstetric and Gynecological Societies of India
2. Membership of Indian Fertility Society.

**National/ International Conferences Attended:**

1. National Conference on Pediatric education (NCPE), AIIMS JODHPUR ;3<sup>rd</sup> to 5<sup>th</sup> November 2019.
2. National Conference-63<sup>RD</sup> All India Congress of Obstetrics and Gynecology (AICOG) 2020.Organized by FOGSI. Lucknow, Uttar Pradesh;29<sup>th</sup> Jan-2.2.2020

**Cme / Workshop Attended:**

1. CME on basic of infertility, RML Delhi, July 2019.
2. Workshop on hysteroscopy, Swami Dayanand Hospital Delhi, August 2019.
3. Workshop on infertility, Max hospital Delhi, October 2019.
4. Workshop on quality improvement, AIIMS Jodhpur, January 2020.

**Any other**

1. CME ON PCOS, AIIMS Jodhpur, 28<sup>th</sup> July 2019: Treasurer and Chairperson
2. ReproMed Update 2019, AIIMS Jodhpur, 21<sup>st</sup> -22<sup>nd</sup> December 2019: Treasurer and Chairperson

**Name of Faculty: Dr. Nilesh Barwar**

**Designation: Assistant Professor  
(Trauma & Emergency Orthopedics)**

**Presentations:**

1. Poster Presentation at North Zone Orthopedic annual conference 2019: Adult Degenerative Scoliosis: surgical treatment consideration, AIIMS R
2. A Paper presentation in Rajasthan Orthopedic Surgeon Association Annual conference 2019: Non-union of humerus shaft fracture following locked IM nail: a study of 9 cases

#### **Invited Lectures:**

1. Femur Fracture Nailing workshops. Current concepts in Trauma (CCT), Feb-march 2020, Jodhpur.

#### **Resource Faculty**

1. Clinical Examination of a shoulder. Jodhpur Arthroscopy Symposium, AIIMS, Jodhpur
2. Panel Discussion on Elbow Fractures. Current concepts in Trauma (CCT), Feb-march 2020, Jodhpur.

#### **Research Project**

##### **Ongoing:**

##### **As Principal investigator**

1. Long term functional effect of tibial plateau injury: A descriptive study

#### **Membership/Post in Journal or Society or Association :**

1. Member; Association of Spine Surgeon of India
2. Member; AO Spine
3. Member; Asia Pasific Spine Society

#### **National and Regional conferences attended**

1. Current Concepts in Trauma, Jodhpur, February 2020
2. Jodhpur Arthroscopy Symposium 2019, Jodhpur, December 2020
3. North Zone Orthopedic Association Annual Conference
4. Rajasthan Orthopedic Surgeon Association Annual conference

#### **Scientific award**

1. AO Spine Inland Fellowship. Done at Stavva Spine Injury Centre, Ahmedabad, 02<sup>nd</sup> Sept- 25<sup>th</sup> Oct 2019.

**Name of Faculty: Dr Bharat Choudhary**

**Designation: Assistant Professor**

**(Trauma & Emergency, Pediatrics)**

#### **Workshops/ Conferences Organized**

1. Medical Simulation: An Introductory Trainer Course. Department of Pediatrics, AIIMS Jodhpur, AIIMS Jodhpur, 3<sup>rd</sup> November 2019
2. Emergency Treatment and Triage workshop [ETAT-1] for medical officers and Nursing officers of Rajasthan. Department of Pediatrics, AIIMS Jodhpur, 27-29, November 2019
3. Emergency Treatment and Triage workshop [ETAT-2] for medical officers and Nursing officers of Rajasthan. Department of Pediatrics, AIIMS Jodhpur, 12-14, December 2019

#### **Papers Presented:**

1. Chaudhary B, Singh K, Simulation experience from AIIMS Jodhpur. IPSS; 20<sup>th</sup> -22<sup>nd</sup> May 2019, Toronto

2. Chaudhary B, Krishna D. Complicated Newborn- A Simplified Approach. EmIndia; 30<sup>th</sup> July-4<sup>th</sup> August 2019, AIIMS, Delhi
3. Chaudhary B, Khera D, Singh K. Simulation based Assessment PICU; SIMULUS 5, 6<sup>th</sup>-11<sup>th</sup> February 2020, Chennai

**Invited Lectures**

1. Management of Traumatic Brain injury in Children, EMINDIA, 30<sup>th</sup> s July- 4<sup>th</sup> August, AIIMS, Delhi
2. POCUS in PICU. PICU Update AIIMS Jodhpur, 21<sup>st</sup> -22<sup>nd</sup> September 2019 AIIMS, Jodhpur

**Resource Faculty:**

1. POCUS in Emergency- Knobology and Airway Ultrasound. ASIRAJ 2019, 18<sup>th</sup> -20<sup>th</sup> October 2019, AIIMS Jodhpur
2. Fiber optic Intubation – Pediatric Anesthesiology CME, 20<sup>th</sup> -21<sup>st</sup> July 2019, AIIMS Jodhpur.
3. Special Situation in managing Trauma as per ATLS guidelines- Trauma CME, 05<sup>th</sup> March 2019, AIIMS Jodhpur

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. Use of POCUS in Pediatric Emergency in India – A National survey, Funding Nil

**Completed:**

**As Principal Investigator**

1. Clinical Audit of Dengue Case Management in Pediatric Emergency at AIIMS Jodhpur

**Membership/Post in Journal or Society or Association :**

1. Member; Indian Academy of Pediatrics
2. Member; International Pediatrics simulation society

**National/ International Conferences attended:**

1. International Pediatric simulation symposia and workshop. IPSS, Toronto, 20<sup>th</sup> -22<sup>nd</sup> May 2019
2. Simulus 5, Pedistar, Rainbow Children Hospital Chennai, 6<sup>th</sup>-11<sup>th</sup> February 2020
3. EMINDIA 2019 EM India, AIIMS Delhi ,30<sup>th</sup> July-4<sup>th</sup> August 2019
4. Workshop on Ultrasonographic pain medicine, AIIMS Jodhpur, 19<sup>th</sup> -20<sup>th</sup> October 2019

## Department of Urology

S.No.	Name	Designation
1	Dr. Gautam Ram Choudhary	Associate Professor
2	Dr. Himanshu Pandey	Associate Professor
3	Dr. Mahendra Singh	Assistant Professor
4	Dr. Vijay Kumar Sarma Madduri	Assistant Professor

### About the Department:

The Department of Urology was started on 27 April 2016; it offers up-to-date facility for comprehensive management of all major urological disorders including cancer surgeries. Comprehensive medical education and various programs of clinical and basic research are integral part of the department. The department has 4 permanent faculty members; all have their primary interest and also work for other secondary sub-specialties.

A new feather in the cap of our department this year was the starting of live donor renal transplant services under the mentorship of SGPGIMS (Sanjay Gandhi Post Graduate Institute of Medical Sciences) Lucknow. Till date we have successfully completed three renal transplants with excellent results. AIIMS Jodhpur is already a referral centre for patients of chronic kidney disease (CKD) and the starting of live donor renal transplant service is a much needed boon for these patients. Regular assessment of CKD patients and prospective kidney donors has been started in conjunction with the department of Nephrology, AIIMS Jodhpur. The department eventually aspires to add cadaveric and robotic renal transplant services to its portfolio. The department's vision is to be a collaborative centre for outcomes research and basic science research in renal transplant.

The milestone of 100 robot assisted Urological surgeries was crossed in July 2019. With the addition of 3-D laparoscopy to the armamentarium, the department is fully equipped to provide comprehensive urological care for all complex urological diseases.

With recognition and expansion of services, the department got the opportunity to conduct the Diplomate National Board (DNB) exit examination under the aegis of National Board of Examinations (NBE), Govt of India, in November 2019. Department's establishment and services provided were well appreciated not only by examiners but by also by NBE. The department has got the opportunity to host the second mid-term workshop under the aegis of North Zone Urological Society of India (NZ-USI) to be held in July 2020. The department is again slated to be the DNB exit exam centre in August 2020.

Currently with the intake of two students into the MCh program in July 2019, the department currently has four academic senior residents.

### Compiled list of Publications of the department

#### Pubmed Indexed:

- Choudhary GR, Singhal M, Lodha RB. Re: Efficacy of tadalafil treatment in erectile dysfunction in patients receiving dutasteride treatment: A prospective nonrandomized comparative study. *Turk J Urol* 2019; 45 (Supp. 1): S192-S193.
- Rasool S, Singh M, Jain S, Pandey H. *et al.* Comparison of open, laparoscopic and robot-assisted pyeloplasty for pelviureteric junction obstruction in adult patients. *J Robotic Surg* 14, 325–329 (2020). <https://doi.org/10.1007/s11701-019-00991-6>.
- Tyagi V, Jain S, Singh M, Pahwa M, Chadha S, Rasool S. Native ureteroureterostomy in renal allograft recipient surgery: A single-center 5-year experience. *Indian J Urol*. 2019 Jul-Sep; 35(3):218-221. doi: 10.4103/iju.IJU\_20\_18. PMID: 31367074; PMCID: PMC6639987
- Sureka B, Yadav, K., Choudhary GR et al. Teardrop sign. *Abdom Radiol* (2019) 44: 2325-6.



5. Rao M, Choudhary GR, Malik A. Giant-cell tumor of the urethra: Report of an unusual case. *Indian J Urol*. 2019;35(2):164–167. doi:10.4103/iju.IJU\_286\_18
6. Sureka B, Elhence P, Khera PS, Choudhary GR, Pandey H, Garg PK, Yadav K, and Goel A. Quantitative contrast -enhanced perfusion kinetics in multiparametric MRI in differentiating prostate cancer from chronic prostatitis: results from a pilot study. *The British Journal of Radiology*. 2019; 92:1100.
7. Sinha S, Agarwal MM, Vasudeva P, Khattar N, Madduri VKS, Yande S, Sarkar K, Patel A, Vaze A, Raina S, Jain A, Gupta M, Mishra N. The Urological Society of India Guidelines for the Evaluation and Management of Nonneurogenic Urinary Incontinence in Adults (Executive Summary) *Indian J Urol*. 2019 Jul-Sep;35(3):185-188. doi: 10.4103/iju.IJU\_125\_19. PMID: 31367068

#### Non-Pubmed Indexed:

1. Jain S., Singh M, Khanna S. Pandey H. *et al.* Role of Tamsulosin with or without Deflazacort to facilitate stone clearance after ESWL: a single-center randomized controlled study. *Afr J Urol* 26, 7 (2020). <https://doi.org/10.1186/s12301-020-0015-0>
2. Choudhary GR, Jain P, Gupta P, Pallagani L: Pyonephrosis Drainage Failure with Two Ureteric Stents in a Paediatric Patient; *Journal of Clinical and Diagnostic Research*. 2020 Feb, Vol-14(2); PD03-PD04; DOI: 10.7860/JCDR/2020/43129.13532.
3. Choudhary GR, Garg P, Nalwa A. Bladder preservation in radiation induced high grade urinary bladder sarcoma: A case report. *J Urol, Nephrol Hepatol Sci* 2019;2(2):27-8.
4. Choudhary GR, Jain P, Goyal S. Urinary bladder injury during laparoscopic orchiopexy: A case report. *J Urol, Nephrol Hepatol Sci* 2019;2(2):29-30.
5. Choudhary GR, Pandey H, Goyal S, Gupta P; Caution in Interpreting Diethylenetriamine Pentaacetic Acid Renal Scan in Renal Failure; *Journal of Clinical and Diagnostic Research*. 2020 Mar, Vol-14(3): PD03-PD05; DOI: 10.7860/JCDR/2020/43128.13544
6. Bharti S., Choudhary GR., Bharti J, et al. Sarcomatoid Chromophobe Renal Cell Carcinoma with Heterologous Component. *Iranian Journal of Pathology*, 2020; 15(1): 5 7 6 1. DOI: 10.30699/ijp.2019.109242.2147
7. Rao M, Choudhary GR, Yadav T and Nalwa A. Renal Replacement lipomatosis: A relatively uncommon and underreported entity. *Indian J Pathol Microbiol*. 2020;63 (special): S59-60.

**Name of Faculty: Gautam Ram Choudhary**

**Designation: Associate Professor**

#### Papers Presented:

1. Choudhary GR, Jain P, Goyal S. Urinary bladder injury during laparoscopic orchiopexy, COMPCON, 8-9 June 2019, Department of Urology, Medanta Hospital, Gurgaon.
2. Choudhary GR, Pandey H, Gupta P. How to learn and mastery the PCNL. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan
3. Choudhary GR, Gupta P, Pandey H, Madduri V., Singh M. Air vs Contrast Pyelogram for initial puncture access in Percutaneous Nephrolithotomy (PCNL) – A randomized Controlled trial. 35th Annual EAU Congress Amsterdam “EAU20”. 20-24 March 2020 (switched to virtual conference due to COVID-19)
4. Choudhary GR, Pandey H, Madduri VK, Singh M. Accepted paper “Audit of maiden 10 cases of robot assisted radical prostatectomy (RARP) with dual console Xi da Vici System”. The 108th Annual Meeting of the Japanese Urological Association (JUA2020). Kobe International Conference Center and Kobe International Exhibition Hall. Postponed to 22-25 December 2020 due to COVID-19.

**Sessions Chaired:**

1. Advances in surgical management of BEP, Second Alumni Meet and Master class in BEP, December 21-22, 2019 at Hyatt Regency, Chandigarh, India.

**Invited Lectures**

1. Robot Assisted Video Endoscopic Inguinal Lymph-node Dissection: Where we are?. Robotic Surgeons Council of India XII Meeting, 16-17 November 2019, Pondicherry India.
2. Debate on Whether a fresh pass out MCh / DNB urologist should join government service of a big corporate hospital or work as a free lancer?. 1<sup>st</sup> Annual Conference of Rajasthan Urology Society "RUSCON-2019" on 21<sup>st</sup>&22<sup>nd</sup> Sept. 2019 at Hotel Lakend, Udaipur

**Symposium Speaker**

1. Symposium on advances in muscle invasive and metastatic bladder cancer: Neo adjuvant chemotherapy. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

**Resource Faculty:**

1. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan

**Others**

1. Public Awareness lecture on Urological disorders in old age at Senior Citizen Organization, Ratanada, Jodhpur on 10 Feb 2020
2. Special Guest and invited talk at Swasthya Sadhana Kendra, Jodhpur on 23<sup>rd</sup> Feb 2020

**Research Project:****Ongoing:****As Principal Investigator**

1. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostatic cancer patients: Intra-mural, AIIMS Jodhpur
2. Epidemiology, Metabolic Workup and Stone Analysis of Urolithiasis: Non-funded
3. Epidemiology of community and hospital acquired urinary tract infection of patients attending Urology OPD in AIIMS Jodhpur: Non-funded

**As Co-Investigator**

1. Expression of miRNA and characterization of stem cell in prostate cancer and benign prostatic hyperplasia patients: Intra-mural, AIIMS Jodhpur
2. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal carcinomas. Intra-mural, AIIMS Jodhpur

**Scientific Awards/Patents**

1. Vattikuti International Fellowship (2weeks duration with worth 5000 dollars) at the Roswell Park Comprehensive Cancer Center ATLAS Program in Buffalo New York, USA.

**Membership/Post in Journal or Society or Association :****Member:**

1. European Association of Urology: (EAU-106823)
2. Urological Association of Asia (UAA): (01339-1-07)
3. SIU - Société Internationale d'Urologie
  2. Peer reviewer in Indian journal of Urology

**National/ International Conferences attended:**

1. COMPCON, Department of Urology, Medanta Hospital, Gurgaon, 8-9 June 2019
2. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan
3. 1<sup>st</sup> Annual Conference of Rajasthan Urology Society "RUSCON-2019" on 21<sup>st</sup>&22<sup>nd</sup> Sept. 2019 at Hotel Lakend, Udaipur
4. Robotic Surgeons Council of India XII Meeting, 16-17 November 2019, Pondicherry India.
5. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

**Name of Faculty: Himanshu Pandey**

**Designation: Associate Professor**

**Papers Presented:**

1. Pandey H, Likhiteswer P, Singh M, Goyal S, Choudhary G R, Madduri V K S. Controlling nutritional status (CONUT) score as a novel predictive marker for pathological stage and grade in bladder cancers at initial presentation. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
2. Pandey H, Gupta P, Madduri V K S, Choudhary G R, Singh M, Goyal S. Functional and cosmetic outcome after ventral spatulation of urethra in partial penectomy. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
3. Singh M, Sharma A, Kathuria S, Choudhary G R, Madduri V K S, Pandey H. Comparison of preoperative needle biopsy Gleason score and clinical staging with postoperative Gleason score and pathological staging after radical prostatectomy. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
4. Madduri V K S, Choudhary G R, Pandey H, Singh M, Sharma A. A nicely working AV Fistula: gone wrong!. Podium Presentation, COMPCON 2019, New Delhi. (Urology Complications Conference) 5.
5. Pandey H. Complications of PCNL: causes and prevention. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan

**Sessions Chaired:**

1. Advances in laparoscopic urology. Annual Conference of the North Zone Chapter of Urological Society of India-NZUSICON 2019, 15<sup>th</sup> - 17<sup>th</sup> Nov 2019, Hotel Crowne Plaza, Greater Noida
2. Youth Urology forum: Beginning of new era. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020", 23-26 January 2020. Kochi, India.

**Invited Lectures**

1. Laparoscopic radical cystectomy in female: how I do it. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020", 23-26 January 2020. Kochi, India.

2. Tips and tricks in laparoscopic urology: laparoscopic donor nephrectomy. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.
3. Young consultant's forum- Robotic frontiers for fresh Urologists. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020", 23-26 January 2020. Kochi, India.
4. What evidence says: Role of probiotics in Urology. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.
5. North zone got talent: Annual Conference of the North Zone Chapter of Urological Society of India- NZUSICON 2019, 15<sup>th</sup> - 17<sup>th</sup> Nov 2019, Hotel Crowne Plaza, Greater Noida

#### **Symposium Speaker**

1. Narrow band imaging and markers in bladder cancer. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

#### **Resource Faculty:**

1. Ultrasound training program. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Unusual splenic injury following PCNL: Non-funded

##### **As Co-Investigator**

1. Epidemiology of community and hospital acquired urinary tract infection of patients attending Urology OPD in AIIMS Jodhpur: Non-funded
2. Expression of miRNA and characterization of stem cell in prostate cancer and benign prostatic hyperplasia patients: Intra-mural, AIIMS Jodhpur
3. Mismatch repair deficiency and PD-L1 expression in urothelial carcinomas and renal carcinomas. Intra-mural, AIIMS Jodhpur
4. Epidemiology, Metabolic Workup and Stone Analysis of Urolithiasis: Non-funding

#### **Examinership**

1. Coordinating internal examiner in DNB Urology practical examination. All India Institute of Medical Sciences, Jodhpur, 8<sup>th</sup> – 10<sup>th</sup> Nov. 2019.
2. Invited examiner to set question paper for DNB Urology theory.
3. Reviewed thesis of DNB urology

#### **Membership/Post in Journal or Society or Association :**

1. Peer reviewer in Indian journal of Urology

#### **National/ International Conferences attended:**

1. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan
2. COMPCON, Department of Urology, Medanta Hospital, Gurgaon, 8-9 June 2019
3. NZUSICON, North Zone Urological Society of India, Hotel Crowne Plaza, Greater Noida, 15-17 November 2019
4. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

**Name of Faculty: Mahendra Singh**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Singh M, Sharma A, Kathuria S, Choudhary G R, Madduri V K S., Comparison of preoperative needle biopsy gleason score and clinical staging with postoperative gleason score and pathological staging after radical prostatectomy., Annual Conference of the North Zone Chapter of Urological Society of India- NZUSICON 2019, 15<sup>th</sup> - 17<sup>th</sup> Nov 2019, Hotel Crowne Plaza, Greater Noida
2. Singh M, Pandey H, Madduri V K S, Choudhary G, Evaluation of biochemical-recurrence and urinary continence after robotic-assisted radical prostatectomy: a single center experience, 53rd Annual Conference of Urological Society of India - USICON 2020, 23<sup>rd</sup>-26th January 2020, Lulu Bolgatty International Convention Center, Kochi.
3. Singh M, Pandey H, Madduri V K S, Choudhary G, Vajpai N, A case of post-transplant anemia: presentation and management., Renal transplant update 2019-basics to beyond, 12-13<sup>th</sup> October 2019, Sir Ganga Ram Hospital, New Delhi.
4. Pandey H, Likhiteswer P, Singh M, Goyal S, Choudhary G R, Madduri V K S. Controlling nutritional status (CONUT) score as a novel predictive marker for pathological stage and grade in bladder cancers at initial presentation. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
5. Gupta P, Pandey H, Madduri V K S, Choudhary G R, Singh M, Goyal S. Functional and cosmetic outcome after ventral spatulation of urethra in partial penectomy. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
6. Madduri V K S, Choudhary G R, Pandey H, Singh M, Sharma A. A nicely working AV Fistula: gone wrong!. Podium Presentation, COMPCON 2019, New Delhi. (Urology Complications Conference)

**Invited Lectures**

1. Management of failed complex urethral stricture . 1<sup>st</sup> Annual Conference of Rajasthan Urology Society "RUSCON-2019", 21<sup>st</sup>-22<sup>nd</sup> Sept. 2019 at Hotel Lakend, Udaipur

**Resource Faculty:**

1. Helped in conducting AIIMS-NEET entrance examination from 21<sup>st</sup>-21<sup>th</sup> May 2019

**Research Project:****Ongoing:****As Co-Investigator**

1. Unusual splenic injury following PCNL: Non-funded

**Examinership**

1. Assisted in conducting DNB practical exit examination for Urology at AIIMS, Jodhpur, 8<sup>th</sup> – 10<sup>th</sup> Nov. 2019.

**Membership/Post in Journal or Society or Association :**

1. Member; North Zone Urological Society of India
2. Reviewer; African Journal of Urology (Official journal of the Pan African Urological Surgeons' Association)

**National/ International Conferences attended:**

1. PERCON-2019, an International Workshop on PCNL of Urological Society of India on 16th and 17th August 2019 at Jodhpur, Rajasthan

2. 1<sup>st</sup> Annual Conference of Rajasthan Urology Society "RUSCON-2019" on 21<sup>st</sup>&22<sup>nd</sup> Sept. 2019 at Hotel Lakend, Udaipur
3. Renal transplant update 2019-basics to beyond on 12-13<sup>th</sup> October 2019 at Sir Ganga Ram Hospital, New Delhi.
4. 53<sup>rd</sup> national annual conference of Urological society of India "USICON 2020" 23-26 January 2020. Kochi, India.

**Name of Faculty: Dr Vijay Kumar Sarma Madduri**

**Designation: Assistant Professor**

**Papers Presented:**

1. Pandey H, Gupta P, Madduri V K S, Choudhary G R, Singh M, Goyal S. Functional and cosmetic outcome after ventral spatulation of urethra in partial penectomy. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
2. Singh M, Sharma A, Kathuria S, Choudhary G R, Madduri V K S. Comparison of preoperative needle biopsy Gleason score and clinical staging with postoperative Gleason score and pathological staging after radical prostatectomy. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
3. Pandey H, Likhiteswer P, Singh M, Goyal S, Choudhary G R, Madduri V K S. Controlling nutritional status (CONUT) score as a novel predictive marker for pathological stage and grade in bladder cancers at initial presentation. Podium presentation, Nov 2019, NZUSICON, Greater Noida, India. (Annual Conference of North Zone chapter of Urological Society of India)
4. Madduri V K S, Choudhary G R, Pandey H, Singh M, Sharma A. A nicely working AV Fistula: gone wrong!. Podium Presentation, COMPCON 2019, New Delhi. (Urology Complications Conference)
5. Madduri V K S. Abiraterone in Hormone sensitive Ca Prostate: Time to expand the indicators. April 2019, Jodhpur Urology Society, Jodhpur, India

**Sessions Chaired:**

**Panelist:**

1. Interactive case discussions: "Neurogenic weak outlet and transplantation into abnormal bladders", Urological Society of India-Indian Neurourology Society Joint Session, USICON 2020, Jan 23-26,2020, Lulu Bolgatty International Convention Centre, Kochi, Kerala

**Session Coordinator**

1. **Subspecialty session:** Urodynamics and Functional Urology, USICON 2020, Jan 23-26,2020, Lulu Bolgatty International Convention Centre, Kochi, Kerala

**Invited Lectures**

1. Landmark papers in Urology: Neurovesical dysfunction, USICON 2020, Jan 23-26,2020, Lulu Bolgatty International Convention Centre, Kochi, Kerala

**Membership/Post in Journal or Society or Association :**

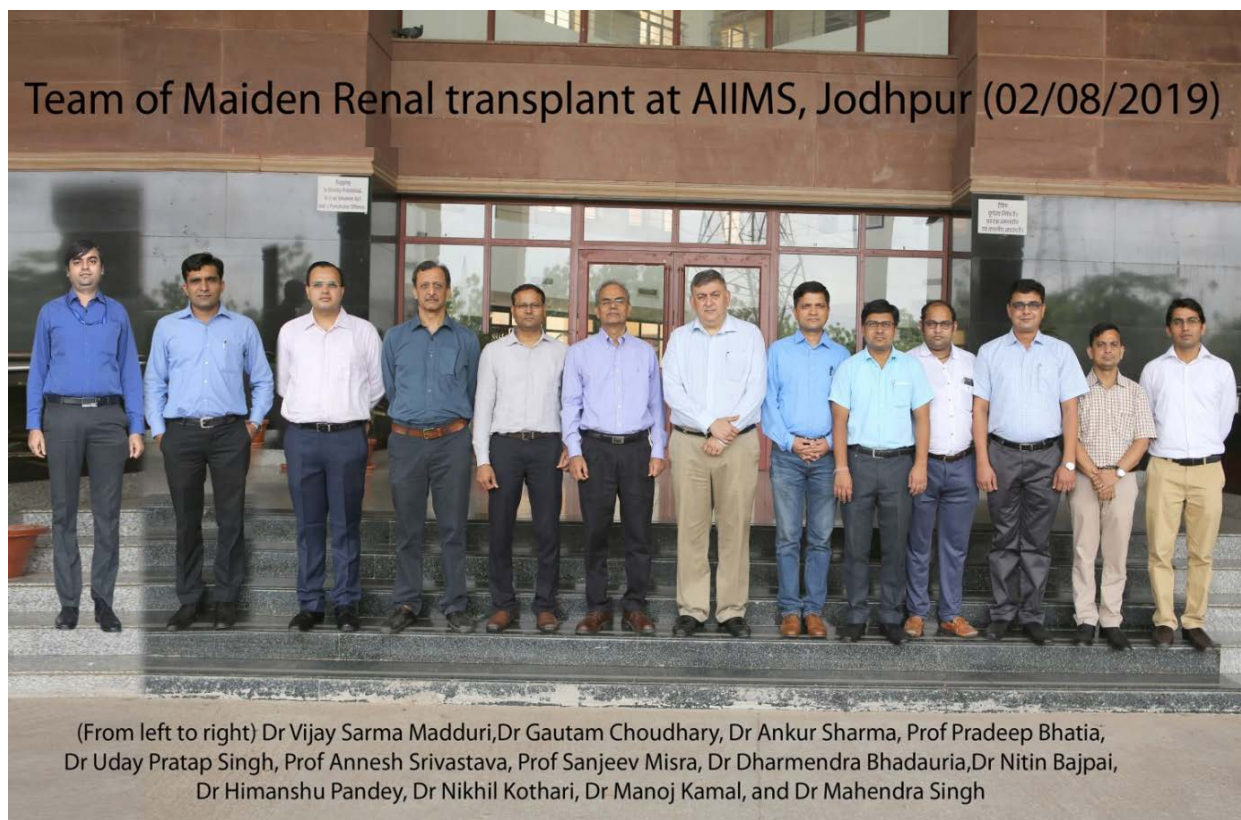
1. Société Internationale d'Urologie (SIU)- Membership
2. Indian Journal of Urology- Reviewer
3. BioMed Central Urology- Reviewer

**National/ International Conferences attended:**

1. Urology Update, CIPLA education foundation, Jaipur, 12-14 April 2019
2. Cancer Prostate Summit (CAPCON 2019), Bengal Urological Society, Hotel Hyatt Regency, Kolkata, 24-25 May 2019
3. COMPCON, Department of Urology, Medanta Hospital, Gurgaon, 8-9 June 2019
4. Renal Transplant Update 2019, Sir Ganga Ram Hospital, 12-13 October 2019
5. NZUSICON, North Zone Urological Society of India, Hotel Crowne Plaza, Greater Noida, 15-17 November 2019
6. USICON 2020, Urological Society of India, Lulu Bolgatty International Convention Centre, Kochi, Kerala, Jan 23-26 2020

**Notable events for the Department of Urology:**

1. The Department organized a public awareness lecture on prostate cancer in September 2019 at the institute. Members of the general public were educated about prostate cancer and the various modalities of treatment available at AIIMS Jodhpur. Lastly, their queries about prostate cancer were answered by all the faculty members. The lecture was well received by the public.
2. A new feather in the cap of our department this year was the starting of live donor renal transplant services under the mentorship of SGPGIMS (Sanjay Gandhi Post Graduate Institute of Medical Sciences) Lucknow. Till date we have successfully completed three renal transplants with excellent results. AIIMS Jodhpur is already a referral centre for patients of chronic kidney disease (CKD) and the starting of live donor renal transplant service is a much needed boon for these patients.



Team which conducted the first Renal Transplant, AIIMS Jodhpur



Surgical team after the successful procedure



## Department: College of Nursing

S. No.	Name of Faculty	Designation
1.	Prof (Dr.) Raj Rani	Prof-cum-Principal
2.	Dr.Ashok Kumar	Associate Professor
3.	Dr.Mukesh Chandra Sharma	Associate Professor
4.	Himanshu Vyas	Associate Professor
5.	Gomathi Arumugam	Associate Professor
6.	Mamta	Assistant Professor
7.	Remiya Mohan	Assistant Professor
8.	Vandna Pandey	Assistant Professor
9.	Aashish Parihar	Assistant Professor
10.	Nipin Kalal	Assistant Professor
11.	Nimarta	Assistant Professor
12.	Joyce Joseph	Tutor/Clinical Instructor
13.	Nancy Kurien	Tutor/Clinical Instructor
14.	Shrikant K Nair	Tutor/Clinical Instructor
15.	Anoop Sharma	Tutor/Clinical Instructor
16.	Sanjay Sevak	Tutor/Clinical Instructor
17.	Asif Khan	Tutor/Clinical Instructor
18.	Rishi Dutt Avasthi	Tutor/Clinical Instructor
19.	Hanuman Ram Bishnoi	Tutor/Clinical Instructor
20.	Irasangappa Mudakavi	Tutor/Clinical Instructor
21.	Natwarlal Patidar	Tutor/Clinical Instructor
22.	Satyaveer	Tutor/Clinical Instructor
23.	Neetu Tripathi	Tutor/Clinical Instructor
24.	Vikas Choudhary	Tutor/Clinical Instructor
25.	Anant Chandrakant Chopade	Tutor/Clinical Instructor
26.	P Gangadevi	Tutor/Clinical Instructor
27.	Raghu V A	Tutor/Clinical Instructor
28.	Moirangthem Sonia	Tutor/Clinical Instructor
29.	Arti	Tutor/Clinical Instructor
30.	Sanjeeta Dara	Tutor/Clinical Instructor
31.	S. K. Mohanasundari	Tutor/Clinical Instructor
32.	T Deviga	Tutor/Clinical Instructor
33.	Sabari Vel	Tutor/Clinical Instructor
34.	Minakshi Shayar	Tutor/Clinical Instructor
35.	Deepali Gaikwad	Tutor/Clinical Instructor
36.	Arvind	Tutor/Clinical Instructor
37.	Jaishri	Tutor/Clinical Instructor
38.	Manish Kumar Balai	Tutor/Clinical Instructor

**About the Department:**

The college of Nursing, AIIMS, Jodhpur has been set up in the year 2013 with an aim to provide quality nursing education and training in India. College is currently running four batches of B.Sc. (Hons.) Nursing and two batches of M.Sc. Nursing. The fruition of our efforts are evidently visible with the pass out of three batches of B.Sc. (Hons.) Nursing and 01 batch of M.Sc. Nursing with flying colours. As we set foot forward, we take pride and feel honoured in tracing our journey and presenting a fleeting glimpse of our rich past.

**Facilities at par excellence:**

The College building is fully functional and meets all the academic demands of the students. The real gem stones of this college are the state of the art infrastructure, lecture theatres, well-lit and ventilated classrooms, conference room, examination halls and lab facilities. New facilities, equipments, simulators, instruments, training and educational AV aids are being added in order to give state of art, quality training to students.

**Skill training: A key focus**

A key component of the skill training at the College of Nursing occurs at the skill and simulation laboratories which are designed to facilitate acquisition of basic and advanced clinical skills related to Nursing foundations, Obstetric & Gynaecologic Nursing, Child Health Nursing, Advance nursing care, and Community Health Nursing. Further, posting in different clinical areas of the AIIMS hospital and other State hospitals such as MDM & Umaid hospital have helped students to practice patient care skills. Field posting to areas adopted by institute has given students good exposure and realization about the real needs of the local community.

**Activities Throughout Preceding Year:**

**Orientation program:** An Orientation programme was organized for freshly joined B.Sc. (Hons) Nursing and M.Sc. Nursing students in August 2019. The new students were made familiar to the College, its policies, rules and regulations.

**Co-Curricular activities:** Junior batches of the college organized a colorful farewell party for the B.Sc. (Hons.) Nursing final year batch on 10 May 2019. Fresher party to welcome the new entrants was also organized on 09<sup>th</sup> October 2019. Students enjoyed these fun filled evening. Students of various batches took part in annual cultural and literary fest "AURA 2020" being organized by AIIMS, Jodhpur from 29<sup>th</sup> Feb 2020 to 3<sup>rd</sup> March 2020. Students were commendable and won medals in various events such as poster making, sketching, best out of waste and art gallery.

**Sports to heal body and mind:** Students took part in various sports events organized within and outside the campus. The college students won medals at individual and team events at annual sports fest "Tejas 2019" held at AIIMS, Jodhpur from 28<sup>th</sup> August 2019 to 4<sup>th</sup> September 2019.

**Health care services:** The College of Nursing has continued to be active in providing health care services to general population of Jodhpur. Be it a hospital, peripheral health centre or community areas Faculty and students of College of Nursing provided nursing care to needy with full enthusiasm and dedication. Apart from this various Important health & social issues prevalent in the society such as environmental hygiene, importance of girl's education, women empowerment, prevention of non-communicable diseases, etc. were addressed through Nukkad Natak, Individual & mass health education programmes. In-service education program and School Health Education programme were also held hand-in-hand.

**Preparing outgoing students for various competitive exams:** A multiple choice question test series is being conducted regularly for the final year B.Sc. (Hons) Nursing students with a view to prepare them for future competitive examinations. This initiative by the college has brought laurels and many students of the passed-out batches of B.Sc. (Hons.) Nursing have been selected in the M.Sc. Nursing course at various AIIMS situated in country.

**Mentorship Programme:** The mentorship program continues to meet the learning and developmental needs of students. As a new entrant to the B.Sc. (Hons.) Nursing course at AIIMS Jodhpur, students have a unique opportunity to be mentored by a faculty member. The mentor encourages the mentee to actualize his/her full potential by sharing knowledge and experience, and providing constant support and encouragement.

**Papers****Pub-med indexed:**

1. Kumar V, Kumawat N, Thomas JM, Kumar A, Sharma A, Kamal M. Challenges encountered in placement of ostomy bag for palliative care in a patient with colorectal cancer. *Indian J Palliat Care* 2019; 25:474-6.
2. Vijay K, Nitesh K, Yashwant R, Swapna VM, Ashok K, Ranjit KS, et al. Effectiveness of benzoin tincture in management of complex faecal fistula with deep abdominal folds. *Open J Clin Med Case Rep.* 2019;5(17):1601.

**Non Pub-med indexed:**

1. Dr. Deviga T, Raghu V A. "THE MISFITS": A quick recall to critical diagnosis of pediatric emergency. *Asian J. Nursing Education and Research.* 2020; 10(2):240-245.
2. Mohan R, Pandey V. Quality of Life: A Masked Aspect in Children. *Journal of Nursing Science & Practice* 2019; 9:30-3
3. Kurien N, Choudhary M. Hospital Emergency Color Codes: A Way to Disseminate Unexpected. *International Journal of Emergency and Trauma Nursing.* 2019; 5(2): 1–5.
4. Sonia M. Case report on road traffic accident (RTA). Mcomed publication. *Asian pacific journal of nursing.* Jan 2020;7(1):10-14
5. K Sumesh, B Sarita, Sonia M, Khandelwal KK. Role of Video assisted teaching (VAT) in counselling to make decision for organ donation. *Research parks publications. International Journal on Integrated Education.* Dec 2019; 52(1):73
6. Kalal N, Nimarta. Crimean Congo haemorrhagic fever: a global perspective. *Int J Res Med Sci* 2019; 7:4812-7.
7. Rachel C, Dhanam T, Jeevitha D, Shiny M, Gomathi A. Study involvement and emotional maturity among nursing students at college of nursing, JIPMER. *Asian J. Nursing Education and Research,* 2019; 9:4:555-58. Original article, Indexed.
8. Anupriya R, Divyasree P, Kumari Puja, Tamilselvi N, Gomathi A. Knowledge and Practice Regarding Household Waste Management among Women in Selected Rural Area at Puducherry. *Community and Public Health Nursing.* 2020; 5:1:9–12. Original article, Indexed
9. Nebhinani N, Patnaik PK, Kapoor V, Vaishali R, Singhal K, & Mamta. Reflections of medical students on causes of rising suicide among medical aspirants. *Journal of Indian Association of Child and Adolescent Mental Health* 2020 Jan; 16 (1): 102-7.
10. Kaur Navneet & Sharma Mukesh Chandra. Effectiveness of Distraction with Blowing Soap Bubbles on Post-Operative Pain among Children. *International Journal of Science and Research (IJSR)* 8 ( 6):June 2019
11. Deepa, Dekyi, Kumari N, Choudhary P, Saini P, Yadav R, Sharma Mukesh Chandra & Mohanasundari SK Knowledge and Expressed Practice regarding Weaning among Mothers of Children aged between 6 months to 2 years. *Asian Journal of Nursing Education and Research.* 9(4): October- December, 2019
12. Komal, Choudhary k, Chhangani k, Panwar k, Manju, Dindor M, Saini M, Sharma Mukesh Chandra & V A Raghu .A Study to Assess the Knowledge and Expressed Practice regarding Maintenance of Cleanliness in Hospital Premises among relatives of patients admitted in IPD at AIIMS, Jodhpur . *Asian Journal of Nursing Education and Research.* 10(1): January- March, 2020
13. Chanchal Singh, Bhnwaria D, Nengzaching E, Kaur G , Haokip H, Jani H, Sharma Mukesh Chandra, SK Mohanasundari .A Descriptive Study to Assess daily routine activities and level of Stress among students of B.Sc (hons.) Nursing students at AIIMS, Jodhpur. *International Journal of Nursing Education and Research.* 8(1): January - March, 2020
14. Padmaja A, SK Mohanasundari, Murali M, & Sheshkumar 'Evaluate the effectiveness of Awareness programme on breast cancer and skill Training on breast self-Examination among rural women in Chittoor Dist Andhra Pradesh-A Collaborative Research. *AJNER.* 2020: 10(1).
15. Joyce Joseph. Mohanasundari S.K Incident Report- An Indispensable Pillar in the Health Sector. *Overview IJANM.* 2019. 7(4).

16. Mohanasundari S.K. Padmaja A. National Health Mission (NHM) and India Newborn Action Plan (INAP) Services in Newborn Health -An Overview IJANM.2019. 7(4).
17. Kalal N. Intensive Care Unit: Psychosis. Indian J Surg Nurs. 2019;8(3):95-99.
18. Vijay K, Kalal N, Swapna VM, Ashok K, Nitesh K, Yashwant R, et al. Effectiveness of benzoin tincture in management of complex faecal fistula with deep abdominal folds. Open J Clin Med Case Rep. 2019; 1601 (15)
19. Sonia M. Case report on road traffic accident (RTA). Mmed publication. Asian pacific journal of nursing. Jan 2020;7(1):10-14
20. K Sumesh, B Sarita, Sonia M, Khandelwal KK. Role of Video assisted teaching (VAT) in counselling to make decision for organ donation. Research parks publications. International Journal on Integrated Education. Dec 2019; 52(1):73

### **Workshop Organized By College Of Nursing, Aims, Jodhpur**

#### **International Conference of Perioperative Nursing 2020:**

The College of Nursing, AIIMS, Jodhpur organized its first ever International Conference on Perioperative Nursing 2020 under aegis of Society of Perioperative Nurses, India Supported by International Federation of Perioperative Nurses (IFPN) from 25<sup>th</sup> Feb 2020 to 27<sup>th</sup> Feb 2020. It was an august gathering of more than 500 delegates from all around the world. Mona Guckian Fischer, President, International Federation of Perioperative Nurses (IFPN) graced the conference with her worthy presence. More than 50 eminent International and National Nursing Experts were resource persons in this conference. Inaugural ceremony of the conference was held on 26<sup>th</sup> Feb 2020. 3 days academic extravaganza enlightened the nursing fraternity about the expanding horizons in perioperative nursing. Preconference workshop on the first day was an icing on the cake. Hands on practice sessions on key perioperative skills and areas helped delegates to update their knowledge. Nearly 50 oral papers and posters were presented by ambitious nursing professionals. The attendees of the conference were awarded with 17.5 credit hours (by Indian Nursing Council) for three days' scientific schedule. Overall this academic fair was an enlightening, thought provoking and informative experience for one and all. It also provided a valuable networking opportunity and set the stage for future nursing endeavours in the field perioperative nursing.

#### **Activities Of Department Of Obstetrical And Gyneocological Nursing:**

Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Assessment and Management of PPH, Auditorium, AIIMS, Jodhpur, 25-27 February 2020

#### **Activities Of Department Of Pediatrics Nursing:**

College of nursing celebrated World breast feeding week 2019 from August 1<sup>st</sup> to August 7<sup>th</sup> in pediatric and obstetric ward by organizing various activities for each day at AIIMS Jodhpur. We had quiz competitions and drawing competitions for the mothers as well as for Nursing officers. Winners of competitive events received prizes. We also organized small work shop for mothers regarding breast feeding

We also celebrated children's day on November 14<sup>th</sup> 2019 in all pediatric wards at AIIMS Jodhpur, we distributed prizes for children who won 1<sup>st</sup> three prizes in drawing competition and we made children to cut the cake and enjoy the day by distributing sweets. . During International conference on perioperative nursing Feb 2020, simulation on newborn resuscitation was demonstrated by the faculty of pediatric Nursing and Nursing in-charge from NICU.

WBW Celebration-Aug-1<sup>st</sup> -7<sup>th</sup> 2019

Children's Day-Nov-14<sup>th</sup> -2020

#### **Activities Of Department Of Community Health Nursing:**

The department of Community health nursing has been engaged in providing health services through the following centers in rural and urban population of Rajasthan covering 1110 families.

1. Swami Prabhutanand Government dispensary, Pratap Nagar (UHTC, AIIMS),
2. Centre for Rural Health AIIMS (CRHA) PHC Dhawa.

The College of Nursing has continued to be active in community services. The students during their field posting at Village Dhawa & Pratap Nagar, Jodhpur provided health care services to diverse groups of society. The department emphasizes the activities related to health education and creating public awareness. Keeping this mind on November 14 World diabetic day, the World diabetic day was celebrated on the theme of Family and Diabetes at rural community Dhawa at Govt. Sen. Sec. School. On the behalf of World diabetic day celebration 3 days (8.11.2019, 18.11.2019 and 19.11.2019) events were carried out at School (school health camp, role play and rally). Physical assessment (BP monitoring, RBS checking and Hb estimation) was performed to Class 12<sup>th</sup> students (60) and health education was given on healthy life style for all the students. Totally 750 students are benefitted. On 19/02/2020 B.Sc. Nursing IV & II year students conducted a Role play on awareness and prevention regarding Corona Virus infection at near sapno ka mahal, Indira Colony, Pratap Nagar, Jodhpur. Approximately 50 – 60 people were benefitted.

**Multi-screening Camps:** The department participated in health camps to provide health services to the marginalized community in remote rural and slums areas. Several Health Checkup camps were organized by the students under the supervision of the faculty during their field postings (old age camp, diabetic, and hypertension)

#### **Training of health care worker.**

On 06/02/2020 M.Sc. Nursing First Year (Community health nursing) organized an In-service Education on awareness and prevention regarding Corona Virus infection at Govt. Satellite Swami Prabhutanand hospital, Pratap Nagar, Jodhpur. Totally 26 health care workers were benefitted from this programme.

**Field visits:** The department also exposed the students to the different types of field visits like Old age home, Orphanage, Rehabilitation centers, milk dairy plant and sewage treatment plant. It helped the students to observe the real scenario.

Role play on prevention of Corona Virus infection

In-service education (health care workers) on prevention of Corona Virus infection

Old age camp at Astha Old Age Home

World diabetic day celebration at Rural Dhawa

Milk dairy visit

#### **Activities Of Department Of Psychiatric Nursing:**

1. A public awareness camp and treatment camp was organized by the Psychiatry Department of AIIMS Jodhpur with collaboration of College of Nursing AIIMS Jodhpur on 25.05.2019, on the occasion of "World Schizophrenia Day".
2. A public awareness camp and treatment camp was organized by the Psychiatry Department of AIIMS Jodhpur with collaboration of College of Nursing AIIMS Jodhpur on 31.05.2019, on the occasion of "World No Tobacco Day".
3. An interactive session was organized by the Department of Psychiatry AIIMS Jodhpur with all mental health professionals on the occasion of "WORD SUICIDE PREVENTION DAY" on 9th September 2019 at 4 P.M. in teaching room of 5th-A ward. Theme for the discussion was "working together to prevent suicide".
4. One-day community outreach program on World Geriatric Day organized at Astha Old Age Home, Subhash Nagar, Jodhpur on 1st October, 2019.
5. Celebrated World Mental Health Week and organized various activities as part of it from 7th Oct. 2019 to 12th Oct. 2019.

#### **Activities Of Department Of Medical Surgical Nursing:**

1. 10th Indian organ donation day have been celebrated with the collaboration of the Department of nephrology on 26 November 2019. Quiz competition for MBBS students and Poster competition for B.sc Nursing student was held. All winner students were awarded certificate and cash prize.

**Poster competition for B.sc Nursing students on 10<sup>th</sup> Indian organ donation day**

1. Preconference Workshop on 'Operation Theatre Nursing and Patient Safety' under aegis of ASIRAJ 2019 (Association of surgeons of India Rajasthan chapter was organized by Medical Surgical Nursing department with collaboration of department of General Surgery AIIMS Jodhpur on 18th October 2019.
2. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Advancement in Suturing and Staples, Auditorium, AIIMS, Jodhpur, 25-27 February 2020.
3. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Wound Management, Auditorium, AIIMS, Jodhpur, 25-27 February 2020
4. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Stoma Management, Auditorium, AIIMS, Jodhpur, 25-27 February 2020.
5. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Orientation to Surgical Tubing's and Drains, Auditorium, AIIMS, Jodhpur, 25-27 February 2020.
6. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Barriers Nursing- Use of PPE& Indicators of Sterilizations, Auditorium, AIIMS, Jodhpur, 25-27 February 2020
7. Pre-Conference Workshop – International Conference of Perioperative Nursing ICPN 2020: Station: Anaesthesia Work Station, Auditorium, AIIMS, Jodhpur, 25-27 February 2020

**Different Station in Pre-Conference Workshop in International Conference of Perioperative Nursing ICPN 2020**

The lab has numerous articles and manikins cum advanced simulators for real-time learning. All manikins are having their manufacturing consistency resembling to the human body.

**Ostomy Care Simulator-**

1. Ostomy care simulator has life like functions and appearance which help students to enhance ostomy care skills.

**Skills Taught:**

1. Teaching the care of ostomy stomas.
2. Care of ostomy sites as well as surrounding skin.
3. Simulation of irrigation of colostomy.
4. Drainage and excretion of ileostomy simulated.
5. Simulated stool

**Little Anne Qcpr**

1. Little Anne QCPR is a tool available which help teachers assess the students' performance and guide them with accurate and objective feedback on their performance.

**Features**

1. Anatomically correct oral and nasal passages to perform nose-pinch head tilt, chin lift and jaw thrust to see chest rise
2. Built in clicker signals when correct compression depth is achieved.
3. Real time CPR feedback
4. QCPR instructor app
5. QCPR instructor app with race mode for students

**Name of Faculty: Prof (Dr.) Raj Rani****Designation: Prof-cum-Principal****Sessions Chaired:**

1. Pre conference workshop on Operation Theatre Nursing & Patient Safety, Annual conference of The Association of Surgeons of India – Rajasthan Chapter ASIRAJ-2019; 19<sup>th</sup> October, 2019, AIIMS, Jodhpur.
2. Operating room complex-an overview, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25, 26 & 27th February, 2020, College of Nursing AIIMS, Jodhpur, Rajasthan.
3. Safety, Simulation and empathy in perioperative practice, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25, 26 & 27th February, 2020, College of Nursing AIIMS, Jodhpur, Rajasthan.

**Invited Lectures**

1. Research & Funding Opportunities; 06/01/2020, Welcome trust DBT India Alliance in collaboration with IIT Jodhpur.
2. 3<sup>rd</sup> Meeting of the Sub Group II to look in to the Nursing faculty issue; 01<sup>st</sup> April, 2019, Nirman Bhawan, New Delhi.

**Symposium Speaker**

1. Invited as Guest Speaker in World Bioethics Day Celebration; 19<sup>th</sup> October, 2019, AIIMS, Jodhpur.

**Research Project:****As Co-Investigator**

1. Knowledge and attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur.

**Examinerships:**

1. Ph.D. Thesis Evaluator of IGNOU, New Delhi and Jawaharlal Nehru University, New Delhi.
2. Paper setter of B.Sc. (Hons) Nursing & M.Sc. Nursing examination at KGMU, Lucknow.
3. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Bhubaneswar.
4. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Rishikesh.
5. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Patna.
6. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Raipur.
7. Paper setter of B.Sc. (Hons) Nursing & M.Sc. Nursing annual examination of AIIMS, Jodhpur.

**Membership/ Post in Journal or Society or Association ::**

1. Member of selection committee as SC/ST & women representative for recruitment of faculty post on contractual basis from 2nd to 10th May, 2019.
2. Representative of SC/ST and Women community of selection committee for recruitment to the post of Senior Administrative Officer, Administrative Officer, Accounts Officer on Deputation Basis on 24/07/2019.
3. Appointed as Liaison Officer in AIIMS, Jodhpur to look after the matters of reservation and other related issues for Person with Disabilities (PwDs) w.e.f. 03.08.2019.
4. Co-opted member of standing selection committee for recruitment of Group A faculty on 07<sup>th</sup> to 9<sup>th</sup> September, 2019
5. Representative of SC/ST and Women community of selection committee for recruitment to the post of Blood Transfusion officer, Child Psychologist and Senior Dietician on direct recruitment basis on 29<sup>th</sup> & 30<sup>th</sup> October, 2019.

6. Co-opted member of standing selection committee for recruitment of faculty for AIIMS, Gorakhpur from 07th to 12th January, 2020
7. Representative of SC/ST and Women community of selection committee for recruitment to the post of Financial Advisor, Senior Administrative Officer, Administrative Officer, Dy. Chief Security Officer on Deputation Basis on 12/03/2020.

**National/ International Conferences attended/Organized:**

1. Participated in Joint International Course (New Delhi, London, Leeds & Edinburgh) on Public Health Policy Administration in Parliamentary Democracy (PARI) from 28<sup>th</sup> November to 9<sup>th</sup> December, 2019.
2. Organizing chairperson of International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN on 25, 26 & 27<sup>th</sup> February, 2020 at College of Nursing AIIMS, Jodhpur, Rajasthan.

**Name of Faculty: Ashok Kumar**  
**Designation: Associate Professor**

**Workshops/ Conferences Organized**

1. Organized (as scientific secretary) National academy of burns India (NABI) Mid term CME -2019 organized by department of Burns & Plastic Surgery AIIMS Jodhpur on 3-4 August 2019.
2. Organized (as coordinator) Workshop on 'operation theatre nursing and patient safety' under aegis of ASIRAJ 2019 (Association of surgeons of India Rajasthan chapter) conference organized by department of General Surgery AIIMS Jodhpur on 18th October 2019.
3. Organizing secretary – International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing AIIMS Jodhpur, from 25th-27th February 2020.

**Resource Faculty:**

1. Speaker in National academy of burns India (NABI) Mid term CME -2019 conducted by department of Burns & Plastic Surgery AIIMS Jodhpur on 3-4 August 2019. Topic: Nursing care in burns.
2. Speaker in workshop on 'Operation Theatre Nursing and Patient Safety' under aegis of ASIRAJ 2019 (Association of surgeons of India Rajasthan chapter) conference at AIIMS Jodhpur on 18<sup>th</sup> October 2019. Topic: Operation theatre- Team dynamics.
3. Speaker in WOUNDCON 2019, XXI National conference of Indian society of wound management, AIIMS Rishikesh from 15-17 November 2019. Topic: Nursing challenges in wound care.
4. Speaker in 2<sup>nd</sup> National critical care nursing congress 2020 organized by Society for critical care Nursing at PGIMER Chandigarh on 2<sup>nd</sup> February 2020.
5. Speaker in International conference of Perioperative Nursing (ICPN-2020) at AIIMS Jodhpur, from 25<sup>th</sup>-27<sup>th</sup> February 2020

**Research Project:**

**Completed: non-funded**

**As Principal Investigator**

1. Evaluation of clinical learning environment and supervision of Nursing students.
2. Attitude towards euthanasia among Nursing officers working in ICUs of AIIMS Jodhpur



**Examinership**

1. M.Sc. Nursing, AIIMS Rishikesh, 20.07.2019
2. B.Sc. (Hons.) Nursing, AIIMS Rishikesh, 18.07.2019 - 19.07.2019
3. B.Sc. (Hons.) Nursing, AIIMS Bhopal, 24.07.2019 - 25.07.2019
4. M.Sc. Nursing, KGMU Lucknow, 09.09.2019
5. M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS Jodhpur

**Membership/Post in Journal or Society or Association :**

1. Member: International Network for Doctoral Education in Nursing (INDEN)
2. Member: Sigma Theta Tau International Honor society of Nursing
3. National assessor by AIIMS Delhi and NITI Ayog for "A country level assessment of gaps and linkages in emergency and injuries at tertiary level government medical colleges, large private hospitals and district hospitals in India".
4. Reviewer the book "Nursing research in 21<sup>st</sup> century" authored by Sukhpal kaur & Amarjeet Singh, CBS publisher.

**National/ International Conferences attended:**

1. National academy of burns India (NABI) Mid term CME -2019 conducted by department of Burns & Plastic Surgery AIIMS Jodhpur on 3-4 August 2019.
2. Workshop on 'operation theatre nursing and patient safety' under aegis of ASIRAJ 2019 (Association of surgeons of India Rajasthan chapter) conference at AIIMS Jodhpur on 18<sup>th</sup> October 2019
3. ASIRAJ 2019 (Association of surgeons of India Rajasthan chapter) conference at AIIMS Jodhpur on 18-20 October 2019.
4. WOUNDCON 2019, XXI National conference of Indian society of wound management, AIIMS Rishikesh from 15-17 November 2019.
5. Joint international course on 'public health policy administration in parliamentary democracy' at New Delhi, London, Leeds & Edinburgh from 28<sup>th</sup> November to 9<sup>th</sup> December 2019.
6. Training of trainers (ToT) on Simulation based education at National reference simulation centre (NSRC) SGT university Gurugram organized by Indian Nursing Council and Jhpiego from 27<sup>th</sup> January to 1<sup>st</sup> February 2020.
7. 2<sup>nd</sup> National critical care nursing congress 2020 organized by Society for critical care Nursing at PGIMER Chandigarh on 2<sup>nd</sup> February 2020.
8. International conference of Perioperative Nursing (ICPN-2020) at AIIMS Jodhpur, from 25<sup>th</sup>-27<sup>th</sup> February 2020

**Name of Faculty: Dr Mukesh chandra sharma**

**Designation: Associate Professor**

**Paper presented**

1. Sharma MC. Testing Katharine Kolcaba Theory of Comfort on Post-Operative Children Sigma theta tau 45th Biennial Convention; 18<sup>th</sup> November 2019:8:00 AM. Gaylord resort, Washington DC, USA.

**Workshops/ Conferences Organized:**

1. Coordinator of in-service education program for nursing officer. Update on Nursing practice . Organized by M. Sc (Nursing) First Year students, College of Nursing, AIIMS, Jodhpur, 13 June 19.
2. Coordinator of NRP workshop in preconference work shop. 8<sup>th</sup> Annual conference IANN, Neonatal Nurses –Protect support and save Lives .9<sup>th</sup> -11 February 2020 organized by college of Nursing, AIIMS, Bhubaneswar Odhisa.

3. Organizing committee member of International conference of perioperative nursing ICPN2020 Quality health care through collaborative approach. college of nursing AIIMS, Jodhpur. 25<sup>th</sup> to 27<sup>th</sup> Feb2020.

#### Session chaired

1. Middle-Aged Australians Perceptions of Health, Lifestyle Risk, and Well-Being. Sigma theta tau 45th Biennial Convention;19 November 2019:8:00 AM. Gaylord resort, Washington DC, USA.
2. Research sessions. Neonatal Nurses –Protect support and save Lives. 8<sup>th</sup> Annual conference IANN,9<sup>th</sup> - 11 February 2020 College of Nursing, AIIMS, Bhubaneswar Odhisa.
3. Research sessions. Quality health care through collaborative approach. International conference of perioperative nursing ICPN2020;26<sup>th</sup> Feb2020, College of nursing AIIMS, Jodhpur.
4. Panel discussion on CBE-Developing perioperative competencies. Quality health care through collaborative approach. International conference of perioperative nursing ICPN2020;27<sup>th</sup> Feb2020, College of nursing AIIMS, Jodhpur.

#### Resource faculty

1. NRP workshop 8<sup>th</sup> Annual conference IANN,9<sup>th</sup> -11 February 2020 College of Nursing, AIIMS, Bhubaneswar Odhisa.
2. Digital media addiction and Children-Collaborative approach for Holistic Health Care. 11th and 12th of October, 2019. Akal college of nursing. Bharu sahib, HP.

#### Research Co-Investigator: Ongoing as Co-Investigator

1. Development of tool to measure preoperative parental anxiety for parents of children admitted for surgery in Paediatric ward at AIIMS, Jodhpur.
2. Health promoting behavior and its barriers among adolescents at selected urban schools of Jodhpur.

#### Research Completed as Co-Investigator-

1. Effectiveness of an information booklet on knowledge and expressed practices regarding asthma management among parent of children suffering from asthma at AIIMS, Jodhpur.
2. Effectiveness of nurse led discharge instructions on knowledge and expressed practices regarding home care management among parents of post-operative discharge children admitted at AIIMS Jodhpur
3. Effectiveness of facilitated tucking on the physiological parameters and the level of pain among neonates undergoing intramuscular immunization in AIIMS, Jodhpur
4. Effectiveness of structured teaching program on knowledge regarding good touch and bad touch among children aged between 6-12 years in selected schools of Jodhpur.

#### Award /prize

1. **Second prize in Hackathon activity (Group activity).** Developing innovative solution for improving health care environment in hospital. Sigma theta tau 45th Biennial Convention;19 November 2019:8:00 AM. Gaylord resort, Washington DC, USA.

#### Examinership

1. Observer for AIIMS, Delhi MBBS entrance examination. Centre –UP0903 ION digital zone Keshav puram ,Kanpur. 25-26 may 2019.
2. External examiner and Question paper setter for M.Sc. (Hons) Nursing first year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2019

3. External examiner and Question paper setter for M Sc (Hons) Nursing Second year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2019.
4. External examiner and Question paper setter for B. Sc (Hons) Nursing third year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2019
5. External examiner –Thesis evaluation M. Sc (Hons) Nursing Second year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2019.
6. External examiner- Question paper setter for M. Sc (Hons) Nursing Second year professional examination, JPIMER, Puducherry, July 2019.
7. External examiner –Thesis evaluation M. Sc (Hons) Nursing Second year professional examination, at KGMU Lucknow September 2019.
8. External examiner –pediatric nursing practical examination M. Sc (Hons) Nursing Second year professional examination, at KGMU Lucknow September 2019.

#### **Membership/ Post in Journal or Society or Association ::**

1. Member –SIGMA theta tau nursing society.
2. Post -Nursing Research Community of Interest Facilitator SIGMA theta tau nursing society January 2020- June 2020
3. Member, National Neonatology forum.
4. Member, Indian association of Neonatal nurses (IANN)
5. Member Trained Nurses Association of India-membership number.
6. Member -Indo Pacific Academy of Forensic Nursing Science.
7. Reviewer in Biosciences Biotechnology Research Asia journal
8. Reviewer in Nursing Open journal.

#### **National/ International Conferences attended:**

1. Joint leadership conclave organized by AIIMS, Jodhpur. 3<sup>rd</sup> and 4<sup>th</sup> December 2018.
2. Collaborative approach for Holistic Health Care. Akal college of nursing, Bharu sahib, HP. 11th and 12th of October, 2019.
3. CME on Burn organized by NABI and department of burn and plastic surgery AIIMS, Jodhpur 3-4 August.
4. CNE on Session moderator education. Sigma theta tau honor society of nursing .17 th oct 2019.
5. Competency based medical education from learning to doing. 7<sup>th</sup> National conference on paediatric Education. Department of pediatrics, AIIMS, Jodhpur. 3-5 November 2019.
6. Sigma theta tau 45th Biennial Convention; Sigma theta tau. Gaylord resort, Washington DC, USA. 16-20 Nov ,2019.
7. Neonatal Nurses –Protect support and save Lives .8<sup>th</sup> Annual conference by IANN,.9<sup>th</sup> -11 February 2020. College of Nursing, AIIMS, Bhubaneswar Odhisa.
8. Quality health care through collaborative approach. International conference of perioperative nursing ICPN2020. College of nursing AIIMS, Jodhpur. 25<sup>th</sup> to 27<sup>th</sup> Feb2020.

**Name of Faculty: Mr. Himanshu Vyas**

**Designation: Associate Professor and Nursing Superintendent**

#### **Resource Faculty:**

1. Role of simulation in developing perioperative nursing competencies, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing, AIIMS, Jodhpur.

2. Basic Equipment and Instruments in the Operating Room, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing, AIIMS, Jodhpur.
3. Decubitus Ulcers - Evidence Based Nursing Care Practices, WOUNDON, XXI National Conference of Indian Society of Wound Management organized by Department of General Surgery and College of Nursing, AIIMS, Rishikesh at 15-17 November 2019.
4. Operation Theatre Nursing and Patient Safety, Preconference Workshop, ASIRAJ, 18<sup>th</sup> October 2019 at AIIMS, Jodhpur

#### **Research Project:**

##### **Ongoing:**

##### **As Principal Investigator**

1. Knowledge and attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur

##### **Completed:**

##### **As Principal Investigator**

1. The impact of musculoskeletal dysfunction on quality of life of pregnant women seeking antenatal care at OPD, AIIMS Jodhpur.

#### **Examinership**

1. B. Sc. (Hons.) Nursing, AIIMS, Patna, 5-6 July 2019
2. B. Sc. (Hons.) Nursing, AIIMS, Raipur, 27-28 July 2019
3. Paper Setter, M.Sc Nursing, JIPMER, March 2020

#### **National/ International Conferences attended:**

1. International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN organized by College of Nursing AIIMS, Jodhpur, 26th-27th Feb 2020
2. Pre Conference Workshop, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN organized by College of Nursing AIIMS, Jodhpur, 25th Feb 2020
3. WOUNDON, XXI National Conference of Indian Society of Wound Management organized by Department of General Surgery and College of Nursing, AIIMS, Rishikesh at 15-17 November 2019.
4. Pre Conference Workshop on Medical Simulation under 7th National Conference on Pediatric Education NCPE 2019 organized by Department of Pediatrics, AIIMS, Jodhpur on 3rd to 5th November 2019
5. 7th National Conference on Pediatric Education NCPE 2019 organized by Department of Pediatrics, AIIMS, Jodhpur, 3rd to 5th November 2019.
6. Pre Conference Workshop on Operation Theatre Nursing and Patient Safety, AIIMS, Jodhpur, 19th October 2019.
7. Annual Conference of Association of Surgeons of India – Rajasthan Chapter ASIRAJ – 2019 at AIIMS, Jodhpur, 20 and 21 October 2019
8. Workshop on “Suicide prevention and safety planning: How we can help”, Department of Psychiatry, AIIMS, Jodhpur, 11th October 2019.

#### **Any other information:**

1. Joint Organizing Secretary, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing AIIMS, Jodhpur.

**Name of Faculty: Mrs. Gomathi Arumugam**  
**Designation: Associate Professor**

**Papers Presented:**

1. Gomathi A. Prevalence of type 2 diabetes mellitus in rural population of Villiayanoor district of Puducherry:(Poster) National Community Health conference 2020 on Community Health Nurses: Trend Setters for Universal Health Coverage to Combat NCD, 13<sup>th</sup> -14<sup>th</sup> Feb 2020 CMC, Vellore.

**Sessions Chaired:**

1. Scientific session, International Conference of Perioperative Nursing ICPN 2020, 26<sup>th</sup> & 27 February, 2020, College of Nursing. Jodhpur.

**Books/Chapters:**

1. M. Aravind, S.K. Mohanasundari, P.Piyadharshi, A.Gomathi.(**Tamil version**) How to Take Care of The Clients with Chronic Diseases and Old Age People-**A Care Giver Guide**, (1.ed), Jodhpur, Asian Centre for Medical Education, Research and innovation(ACMER),(2019),pp1-132.

**Resource Faculty:**

1. Workshop on Research Methodology. Dec 13<sup>th</sup> to 14<sup>th</sup> 2019, Maikhadija Institute of nursing Sciences, Jodhpur, Rajasthan.

**Research Project:****Ongoing:****As Co-Investigator**

1. Utilization of services and level of satisfaction among beneficiaries under Janani Shishu Suraksha Karyakram at selected rural area of Jodhpur.

**Ongoing****As Principal Investigator:**

1. Knowledge regarding Effects of tobacco use among Adolescents at selected urban school of Jodhpur with a view to develop information booklet regarding effect of tobacco use.
2. The study to assess the awareness regarding home accidents among parents of toddler at selected rural areas of Jodhpur.
3. Prevalence of type 2diabetes mellitus and to evaluate the effectiveness Of gooseberry juice versus mucilage of okra (lady's finger) in controlling blood sugar level among adults with type 2 diabetes mellitus in selected rural settings of Pondicherry.

**Membership/Post in Journal or Society or Association:**

1. Life Member of Trained Nurses Association of India (TNAI): Reg. No. 162695/LMT.
2. Life Member of Society of Community Health Nurses of India (SOCHNI):231

**National/ International Conferences attended**

1. National Community Health conference 2020 on Community Health Nurses: Trend Setters for Universal Health Coverage to Combat NCD, 13<sup>th</sup> -14<sup>th</sup> Feb 2020 CMC, Vellore.
2. International Conference of Perioperative Nursing (ICPN 2020). All India Institute of Medical Sciences, College of Nursing. Jodhpur, 25th - 27 February, 2020.

**Any other information:**

1. Reception committee coordinator, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing AIIMS, Jodhpur.

**Name of Faculty: Mrs. Mamta**  
**Designation: Assistant Professor**

**Session Chaired:**

1. Poster presentation, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing AIIMS, Jodhpur,

**Symposium Speaker**

1. Excessive use of internet among school children: A growing matter of concern in India, 5<sup>th</sup> Biennial National Conference of Indian Association of Child and Adolescent Mental Health (IACAM); 8<sup>th</sup> - 10<sup>th</sup> November, 2019, Government Medical College & Hospital, Sector-32, Chandigarh.

**Resource Faculty:**

1. Violence in acute and perioperative practices. International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing, AIIMS, Jodhpur.
2. Role of Nurses in combating depression: A module-based workshop for nurses. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society; 22<sup>nd</sup> to 25<sup>th</sup> Jan 2020, Kolkata, India.

**Research Project:****Ongoing:****As Co-investigator**

1. Knowledge and attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur.

**Completed:****As Co-Investigator**

1. The impact of musculoskeletal dysfunction on quality of life of pregnant women seeking antenatal care at OPD, AIIMS Jodhpur.
2. To what extent does "Feeling good, doing well" training program enhance the mental health of medical students, AIIMS, Jodhpur.

**Scientific Awards/Patents:**

1. Honorable Jury Mention Certificate award for Excellence in research, 5<sup>th</sup> South Asian Education Awards and Summit- 2020; Jan 25 2020.

**Examinership**

1. Paper setter for B.Sc. (Hons.) Nursing (Subject: Community Health Nursing-I). College of Nursing, JIPMER, Puducherry Nov-Dec 2019.
2. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Bhubaneswar.

**Membership/Post in Journal or Society or Association**

1. Editorial member, Journal of Indian Association for Child and Adolescent Mental Health

**National/ International Conferences attended:**

1. International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN organized by College of Nursing AIIMS, Jodhpur, 25<sup>th</sup>-27<sup>th</sup> Feb 2020.
2. 72<sup>nd</sup> Annual National Conference of Indian Psychiatric Society, organized by IPS state branch Kolkata, 22<sup>nd</sup> to 25<sup>th</sup> Jan 2020.
3. 5<sup>th</sup> Biennial National Conference of Indian Association of Child and Adolescent Mental Health (IACAM) Organized by Government Medical College & Hospital (GMCH) Sector-32, Chandigarh, 8<sup>th</sup> - 10<sup>th</sup> November, 2019.

**Any other information:**

1. Scientific committee coordinator, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN; 25<sup>th</sup>-27<sup>th</sup> Feb 2020, College of Nursing AIIMS, Jodhpur.

**Name of Faculty: Mrs. Remiya Mohan**

**Designation: Assistant Professor**

**Workshops/ Conferences Organized**

1. Organizing Committee Coordinator – International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing AIIMS Jodhpur, from 25<sup>th</sup>-27<sup>th</sup> February 2020.

**Examinership**

1. Paper setter, M.Sc. Nursing, Clinical Speciality-I (Paediatric Nursing) JIPMER, Puducherry, July 2019
2. M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur, June-July 2019

**Membership:**

1. Indian Association of Neonatal Nurses

**National/ International Conferences attended:**

1. Workshop on Systematic reviews and Meta-Analysis conducted by School of Public Health in collaboration with Research Section, AIIMS, Jodhpur, 18<sup>th</sup> -19<sup>th</sup> June 2019
2. National Academy of Burns India (NABI) Midterm CME -2019 conducted by department of Burns & Plastic Surgery, AIIMS, Jodhpur, 3<sup>rd</sup> - 4<sup>th</sup> August 2019.
3. International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing, AIIMS, Jodhpur, 25<sup>th</sup>-27<sup>th</sup> February 2020

**Name of Faculty: Mrs. Vandna Pandey**

**Designation: Assistant Professor**

**Workshops/ Conferences Organized**

1. Organizing Committee Coordinator – International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing AIIMS Jodhpur, from 25th-27th February 2020.

**Resource Faculty:**

1. Speaker in Workshop organized under aegis of Dr. Padam Singh Research & Development scheme launched by the institute of applied Statistics (IAS) with the collaboration of NIMS-Indian Council for Medical research on Research Methodology and Biostatistics for Nursing Professional; 10<sup>th</sup> – 11<sup>th</sup> May 2019, Mai Khadija Institute of Nursing Sciences, Jodhpur
2. Chairperson for paper presentation in International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing; 25th-27th February 2020, AIIMS, Jodhpur.

**Examinership**

1. M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur, June-July 2019
2. M.Sc. Nursing, UCON, Faridkot, Punjab, 30<sup>th</sup> Sept 2019
3. Paper setter, M.sc. Nursing, Clinical Speciality-I (Medical Surgical Nursing) JIPMER, Puducherry, July 2019
4. Examinership for Evaluation of thesis, M.Sc. (Cardiology Nursing), AIIMS, New Delhi, 29<sup>th</sup> Feb 2020

**Membership/Post in Journal or Society or Association :**

1. Member: NNF Life Membership April 2019
2. Reviewer: Book "Clinical Handbook for Brunner and Suddarth's Text book of Medical Surgical Nursing, South Asian Edition.

**National/ International Conferences attended:**

1. Workshop Programme on Systematic reviews and Meta-Analysis conducted by School of Public Health in collaboration with Research Section, AIIMS, Jodhpur, 18<sup>th</sup> -19<sup>th</sup> June 2019
2. National academy of burns India (NABI) Midterm CME -2019 conducted by department of Burns & Plastic Surgery, AIIMS, Jodhpur, 3<sup>rd</sup>-4<sup>th</sup> Aug 2019.
3. International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing, AIIMS, Jodhpur, 25th-27th February 2020.

**Name of Faculty: Mr. Aashish Parihar**

**Designation: Assistant Professor**

**Workshops/ Conferences Organized**

1. Treasurer & Organizing Committee Coordinator – International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing AIIMS Jodhpur, from 25th-27th February 2020.



**Resource Faculty:**

1. Chairperson for paper presentation in International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing; 25th-27th February 2020, AIIMS, Jodhpur.

**Research Project****Ongoing: As Principal Investigator**

1. Psychological Impact of Magnification of Health Warning on Tobacco Products in terms of Attitude towards Abstinence on Use of Tobacco.

**Examinership**

1. Paper setter, B.Sc. Nursing, Mental Health Nursing JIPMER, Puducherry, November- December 2019
2. M.Sc. Nursing and B.Sc. (Hons.) Nursing, AIIMS, Jodhpur, June-July 2019
3. Paper setter, M.Sc. Nursing, Clinical Specialty-I(Psychiatric Nursing) JIPMER, Puducherry, July 2019

**National/ International Conferences attended:**

1. 7th National Conference on Pediatric Education (NCPE-2019) - 3rd to 5th November, 2019.
2. International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing, AIIMS, Jodhpur, 25th-27th February 2020

**Others**

1. Invited as Guest of Honor on International Mental Health Day i.e. 10.10.19 at JIET College of Nursing, Jodhpur

**Name of Faculty: Mr. Nipin Kalal**

**Designation: Assistant Professor/ Assistant Nursing Superintendent**

**Workshops/ Conferences Organized**

1. Pre Conference Workshop on Operation Theatre Nursing and Patient Safety, AIIMS, Jodhpur, 19th October 2019.
2. International conference of perioperative nursing organized by College of Nursing AIIMS, Jodhpur, on 25<sup>th</sup>27th February 2020.

**Resource Faculty:**

1. Operation theatre nursing & patient safety organized by ASIRAJ 2019 at College of Nursing AIIMS, Jodhpur, on 19<sup>th</sup> October 2019.
2. International conference of perioperative nursing organized by College of Nursing AIIMS, Jodhpur, on 25<sup>th</sup>27th February 2020.

**Research Project:****Ongoing:****As Principal Investigator (Student project supervisor)**

1. A study to assess the knowledge regarding safe handling of chemotherapeutic drugs among nursing officers at AIIMS Jodhpur.

**As Co-Investigator (Student project supervisor)**

1. A study to assess the risk factors of osteoporosis among women attending OPDs of AIIMS Jodhpur.
2. Development of quality improvement checklist for nurses in critical care unit at All India Institute of Medical Sciences Jodhpur, Rajasthan.
3. A study to assess the burden and treatment seeking behavior of CKD patients attending the nephrology OPD of AIIMS, Jodhpur

**Completed:****As Co-Investigator**

1. Attitude toward euthanasia among nursing officers working in ICUS of AIIMS, Jodhpur.

**Examinership**

1. B.Sc. (Hons.) Nursing 3<sup>rd</sup> Year Professional Final Examination, External examiner. College of Nursing, AIIMS, Patna, 30<sup>th</sup> July to 1<sup>st</sup> August 2019.
2. M.Sc. Nursing 2<sup>nd</sup> Year Final examination, external examiner to assess the dissertation at Sumandeep College of nursing, Vadodara (Gujarat).
3. AIIMS MBBS entrance examination-2019 conducted on 25 and 26 May 2019.

**Membership/Post in Journal or Society or Association :**

1. Registered as life member of Indian association for transplant coordinator.
2. Reviewer member of Emergency Medicine and Critical Care Journal.
3. Reviewer member of Red flower publication.

**National/ International Conferences attended:**

1. NABI-Mid Term CME 2019 conducted by the department of Burn & Plastic surgery, AIIMS Jodhpur on 3<sup>rd</sup>-4<sup>th</sup> August 2019.
2. 16<sup>th</sup> congress of the Asian society of transplantation conference at New Delhi from 29 Sep to 2<sup>nd</sup> Oct 2019.
3. Attended 10<sup>th</sup> Organ donation day celebration in Vigyan bhawan Delhi on 13<sup>th</sup> August 2019.
4. Workshop on "suicide prevention and safety planning: How we can help" organized by Department of psychiatry, AIIMS, Jodhpur on 11<sup>th</sup> October 2019.
5. Annual Conference of Association of Surgeons of India – Rajasthan Chapter ASIRAJ – 2019 at AIIMS, Jodhpur, 20 and 21 October 2019

**Name of Faculty: Mrs. Nimarta**

**Designation: Assistant Professor**

**Workshops/ Conferences Organized**

1. Organizing Committee Coordinator-International conference of perioperative nursing organized by College of Nursing AIIMS, Jodhpur, on 25<sup>th</sup>-27<sup>th</sup> February 2020.

**Resource Faculty:**

1. Chairperson for poster presentation in International conference of Perioperative Nursing (ICPN-2020) under the aegis of Society of Perioperative Nursing in collaboration with International Federation of Perioperative Nursing organized by College of Nursing; 25<sup>th</sup>-27<sup>th</sup> February 2020, AIIMS, Jodhpur.

**Research Project:****Ongoing:****As Principal Investigator (Student project supervisor)**

1. "A study to assess the knowledge regarding First aid in Trauma among people attending OPD at AIIMS, Jodhpur, Rajasthan."

**As Co-Investigator (Student project supervisor)**

1. Awareness and attitude regarding prevention of stroke among hypertensive patients, attending OPD at AIIMS Jodhpur, with a view to develop an information booklet.
2. A study to assess the quality of life of epilepsy patients coming in AIIMS, Jodhpur with a view to develop an information booklet.
3. Lived experience of patients with total knee replacement attending orthopedic OPD, at AIIMS, Jodhpur."

**National/ International Conferences attended:**

1. National academy of burns India (NABI) Midterm CME -2019 conducted by department of Burns & Plastic Surgery, AIIMS, Jodhpur, 3<sup>rd</sup>-4<sup>th</sup> Aug 2019.
2. Attended Training on "Gender-based violence and human rights for promoting women health under NHM" held at The National institute of Health and Family Welfare, New Delhi.
3. International conference of perioperative nursing organized by College of Nursing, AIIMS, Jodhpur, on 25<sup>th</sup>-27<sup>th</sup> February 2020.

**Name of Faculty: Mrs. Joyce joseph.**

**Designation: TUTOR/CI (NURSING))**

**Workshop Organized**

1. Organizing committee member of International Conference of Perioperative Nursing 2020, College of Nursing, AIIMS, Jodhpur on 23/03/2019

**Resource Faculty**

1. In-service Education program, "updates on Nursing Practice" conducted by College of Nursing, AIIMS Jodhpur, 13<sup>th</sup> June 2019

**National/ International Conferences attended**

1. Delegate in NABI-Mid Term CME-2019, 3<sup>rd</sup> and 4<sup>th</sup> August
2. Delegate in CME cum workshop on Competency Based Medical Education in Pediatrics: Challenges and Opportunities, 3<sup>rd</sup> November 2019
3. Delegate in 7th National Conference on Pediatric Education, 3-5<sup>th</sup> November 2019

**Name of Faculty: Ms.Nancy Kurien**

**Designation: TUTOR/CI (NURSING))**

**Workshops/ Conferences Organized:**

1. International Conference on Peri Operative Nursing-2020. Organized by College of Nursing, AIIMS, Jodhpur, AIIMS, Jodhpur, 23-25 Feb.2020

**National/ International Conferences attended:**

1. NABI-Midterm CME-2019. Organized by Department of Burns & Plastic Surgery, AIIMS, Jodhpur, 3-4 August, 2019

**Name of Faculty: Mr. Shrikant K. Nair**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized**

1. Organizing member, international conference of perioperative nursing, ICPN 2020 organized by college of nursing, AIIMS Jodhpur. 25-27 February 2020

**National/ international conferences attended:**

1. International conference of perioperative nursing, ICPN 2020 organized by college of nursing, AIIMS Jodhpur. 25-27 February 2020
2. Attended NABI (National Association of Burn India 3 and 4 August 2019) Mid Term CME, organized by AIIMS Jodhpur

**Name of Faculty: Mr. Anoop Sharma**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized**

1. International conference for Perioperative Nursing, College of Nursing AIIMS, Jodhpur, 25<sup>th</sup> -27<sup>th</sup> Feb 2020

**Examinership:**

1. Membership/Post in Journal or Society or Association :
2. Member; Society of Perioperative Nursing.

**National/ International Conferences attended:**

1. ASIRAJ -2019, AIIMS Jodhpur, 17<sup>th</sup> -19<sup>th</sup> Oct 2019.
2. NABI Mid-term CME of National academy of Burns, AIIMS, Jodhpur 3<sup>rd</sup>-4<sup>th</sup> Aug. 2019

**Name of Faculty: Mr. Sanjay Sevak**

**Designation: TUTOR/CI (NURSING)**

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. Psychological Impact of Magnification of Health Warning on Tobacco Products in terms of

**National/ International Conferences attended:**

1. Pre Conference workshop -NCPE 2019 Medical simulation – Introductory trainer course at AIIMS Jodhpur 03/11/2019
2. 7th National conference on pediatric education (NCPE 2019) Competency Based Medical Education from Learning to Doing at AIIMS Jodhpur. 4/11/19 to 05/11/20-5 Nov 2019
3. International Conference of Perioperative Nursing- 2020. College of Nursing, AIIMS, Jodhpur, Auditorium of AIIMS, 25<sup>th</sup>-27<sup>th</sup> February, 2020.

**Any other information:**

1. Sanjay Sevak working as Tutor/Clinical Instructor at College of Nursing, AIIMS Jodhpur. Enrolled for Ph.D. Nursing by Indian Nursing Council in collaboration with Rajiv Gandhi University of health Sciences Bangalore (2019-20)
2. Successfully completed cognitive and skills evaluations in accordance with curriculum of American Heart Association Advance Cardiovascular Life support (ACLS) Programme organizing by Department of Anaesthesiology & Critical care, All India Institute of Medical Sciences (AIIMS) Jodhpur dated 22/11/19 to 23/11/19.
3. Successfully completed cognitive and skills evaluations in accordance with curriculum of American Heart Association Basic Life support Programme (CPR and AED). organizing by Department of Anaesthesiology & Critical care, All India Institute of Medical Sciences (AIIMS) Jodhpur on 21/11/19.

**Name of Faculty: Asif Khan**  
**Designation: TUTOR/CI (NURSING)**

**Research Project:****Ongoing:****As Co-Investigator**

1. Psychological Impact of Magnification of Health Warning on Tobacco Products in terms of Attitude towards Abstinence on Use of Tobacco.\

**Examinership**

1. Evaluated thesis of M.Sc. Nursing (Psychiatry). Sumandeep Vidyapeeth, Vadodara, 2019.

**National/ International Conferences attended:**

1. National Conference on Burns (NABI). AIIMS, Jodhpur; Auditorium, AIIMS; 3<sup>rd</sup>-4<sup>th</sup> August, 2019.
2. International Conference of Perioperative Nursing- 2020. College Of Nursing, AIIMS, Jodhpur, Auditorium Of AIIMS, 25<sup>th</sup>-27<sup>th</sup> February, 2020.

**Name of Faculty: Mr. Rishi Dutt Avasthi**  
**Designation: TUTOR/CI (NURSING)**

**Resource Faculty:**

1. Impact of social Media on Nursing: In State Level Conference at Venkateshwara nursing college Udaipur, 2019; August: 03

**Research Project:****Ongoing:****As Co-Investigator**

1. To assess the knowledge and expressed practice regarding solid waste management.

**National/ International Conferences attended:**

1. International Conference of Perioperative Nursing ICPN 2020. All India Institute of Medical Sciences, College of Nursing, Jodhpur, 26<sup>th</sup> & 27 February, 2020.
2. Attended Training on "Gender-based violence and human rights for promoting women health under NHM" held at The National institute of Health and Family Welfare, New Delhi.

**Name of Faculty: Mr. Hanuman Ram Bishnoi**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences attended**

1. International conference of perioperative nursing (ICPN) on quality health care through collaborative approach organized by college of nursing AIIMS Jodhpur, 26-27 February 2020

**Name of Faculty: Mr. Irasangappa Mudakavi**

**Designation: TUTOR/CI (NURSING)**

**Research Project:****Ongoing:****As Co-Investigator**

1. "A Cross-sectional Study to Assess the Psychological Impact of Magnification of Health Warning on Tobacco Product in terms of attitude towards abstinence on use of tobacco among patients attending Medicine OPD of AIIMS, Jodhpur."
2. "A descriptive study to assess the level of anxiety among caretakers of mentally ill patients attending OPD of AIIMS, Jodhpur."

**Membership/Post in Journal or Society or Association :**

1. Life member; Nursing Research Society of India

**National/ International Conferences attended:**

1. National Conference on Burns (NABI). AIIMS, Jodhpur; Auditorium, AIIMS; 3<sup>rd</sup>-4<sup>th</sup> August, 2019.
2. National Conference on Pediatric Education. Dept. of Pediatric Education AIIMS Jodhpur, Auditorium, AIIMS; 3<sup>rd</sup>-5<sup>th</sup> November, 2019.
3. International Conference of Perioperative Nursing- 2020. College Of Nursing, AIIMS, Jodhpur, Auditorium Of AIIMS, 25<sup>th</sup>-27<sup>th</sup> February, 2020.

**Attended or Participated in major events:**

1. Workshop on Simulation in National Conference of Pediatric Education, 3 Nov, 2019
2. B.Sc and M.Sc Nursing orientation Program 2 to 6 August, 2019.
3. Annual Conference of Association of Surgeons of India – Rajasthan Chapter ASIRAJ

2019 at AIIMS, Jodhpur, 18 and 20, October 2019

**Name of Faculty: Mr.Natwarlal Patidar**

**Designation: TUTOR/CI (NURSING)**

**Resource Faculty:**

1. Pre Conference workshop at ASIRAJ 2019 on “Operation Theatre Nursing and Patient Safety” on dated 19th-20th Oct. 2019 at All India Institute of Medical Sciences, Jodhpur, (Raj).
2. State level workshop on “Impact of Social Media on Nursing Profession” on dated 03rd Aug. 2019 at College of Nursing, Pestic Institute of Medical Sciences, Udaipur, (Raj).

**Research Project:**

**Ongoing:**

**As Principal Investigator**

1. “A study to assess non-productive time (NPT) and factors lead to increase NPT in operation theatres at 3rd floor OT complex, AIIMS Jodhpur”

**National/ International Conferences attended:**

1. International Conference of Perioperative Nursing ICPN 2020 organized by College of Nursing AIIMS Jodhpur on 25<sup>th</sup> – 27<sup>th</sup> Feb.2020

**Name of Faculty: Mr. Satyaveer**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conference attended:**

1. International conference of perioperative nursing (ICPN) on quality health care through collaborative approach organized by college of nursing AIIMS Jodhpur, 26-27 February 2020

**Name of Faculty: Mr. Vikas Choudhary**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized**

1. International conference for Perioperative Nursing, College of Nursing AIIMS, Jodhpur,25<sup>th</sup> -27<sup>th</sup> Feb 2020

**Papers Presented:**

1. Rani R, Kumar A, Choudhary V., Evaluation of clinical learning environment and supervision of Nursing students, WOUNDCON 2019, XXI National conference of Indian Society of Wound management, 15<sup>th</sup> - 17<sup>th</sup> Nov.2019 AIIMS, Rishikesh.

**Completed:**

**As Co-Investigator**

1. Attitude towards euthanasia among nursing officers working in ICU of AIIMS Jodhpur

**Membership/Post in Journal or Society or Association :**

1. Member; India Association of Transplant coordinators
2. Member; Society of Perioperative Nursing.

**National/ International Conferences attended:**

1. WOUNDCON 2019, XXI National conference of Indian Society of Wound management at AIIMS, Rishikesh, 15<sup>th</sup> -17<sup>th</sup> Nov.2019
2. 16<sup>th</sup> Congress of The Asian society of Transplantation is scheduled from 29<sup>th</sup> Sep.-02 Oct 2019, India Expo Mart, Greater Noida.
3. ASIRAJ -2019, AIIMS Jodhpur, 17<sup>th</sup> -19<sup>th</sup> Oct 2019.
4. NABI Mid term CME of National academy of Burns, AIIMS, Jodhpur 3<sup>rd</sup>-4<sup>th</sup> Aug.2019

**Name of Faculty: Mr. Anant Chandrakant Chopade.**

**Designation: TUTOR/CI (NURSING)**

**National/ International Conferences attended:**

1. International Conference on Peri operative Nursing - ICPN 2020; College of Nursing, Auditorium, AIIMS Jodhpur, 25 -27 Feb 2020

**Name of Faculty: Ms. P. Gangadevi**

**Designation: TUTOR/CI (NURSING)**

**Conference organised by College of Nursing, AIIMS Jodhpur.**

1. Member of organizing committee and scientific committee. International conference on peri operative nursing - ICPN 2020, College of Nursing, Auditorium, AIIMS Jodhpur, 25 -27 Feb 2020

**Resource Faculty –**

1. Updates on nursing practice. In-service education program for nursing officers; 13 June 2019, AIIMS Jodhpur
2. Facilitator in Preconference workshop - hands on practice stations. International Conference on Peri operative Nursing – ICPN 2020; 25 Feb 2020, AIIMS Jodhpur

**Training / Conferences attended.**

1. Wound dressing. Nursing administration department, Lecture Hall, College of Nursing, AIIMS Jodhpur, 12 April 2019
2. Insertion bundles, maintenance and care of insertion devices. HIC committee - Microbiology department, AIIMS Jodhpur, 14 May 2019.
3. Advances in Peri, Intra and post-operative Management. Nursing administration department, E classroom, Medical College, AIIMS Jodhpur, 19 August 2019
4. International Conference on Peri operative Nursing - ICPN 2020; College of Nursing, Auditorium, AIIMS Jodhpur, 25 -27 Feb 2020



**Research project**

**Ongoing:**

**As Principal Investigator**

1. An exploratory study to identify quality of work life and priority improvement areas among nurses working in selected hospitals at Jodhpur, Rajasthan

**Name of Faculty: Mr. Raghu V. A**

**Designation: Tutor/CI (Nursing)**

**Workshops/ Conferences Organized:**

1. International conference on perioperative nursing -2020 at AIIMS jodhpur

**Resource faculty**

1. Pre-conference workshop on Neuro-Developmental Supportive Care (Healing Environment - Physical and Sensory). 8<sup>th</sup> Annual Conference of IANN, 9<sup>th</sup> – 11<sup>th</sup> FEBRUARY, 2020, AIIMS, Bhubaneswar
2. Pre conference workshop on neonatal resuscitation. International conference on perioperative nursing, 25<sup>th</sup>-27<sup>th</sup> February-2020, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. International conference on perioperative nursing -2020 at AIIMS jodhpur

**Name of Faculty: Ms.Moirangthem Sonia**

**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized:**

1. International Conference of Perioperative Nursing “Quality health care through collaborative Approach”. College of Nursing AIIMS Jodhpur. 25<sup>th</sup> -27<sup>th</sup> February 202

**National/ International Conferences attended:**

1. CME on Polycystic ovarian syndrome. Dept of Obstetrics and Gynaecology AIIMS Jodhpur on 28/07/2019.
2. NABI-MID TERM CME-2019.Dept of Burns & Plastic surgery AIIMS Jodhpur on 3<sup>rd</sup> - 4<sup>th</sup> August 2019.

**Name of Faculty: Ms. Sanjeeta dara**

**Designation: TUTOR/CI (NURSING)**

**Workshop and conferences-**

1. Organizing committee member of International Conference of Perioperative Nursing 2020, College of Nursing, AIIMS, Jodhpur on 23/03/2019

**Name of Faculty: Ms. Mohanasundari SK**  
**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized**

1. Perioperative Nursing. AIIMS Jodhpur, Rajasthan Feb 25-27/02/2020

**Books/Chapters**

1. Mohanasundari SK "Midwifery case book" JMBD publishers. 2019.
2. Dr Arvind Mathur, Mohanasundari S.K. Dr Priyadarshi Patni "How to care sick and elderly? A handbook for caregivers. ACMERI. 2019. (English, Hindi, Tamil and Telugu)

**Papers Presented:**

1. Mohanasundari SK. "Effectiveness of Music therapy and visual imagery technique on preoperative anxiety among children undergoing surgeries in selected hospitals, Rajasthan: 2<sup>nd</sup> Annual paediatric health care conference, Dubai UAE. June 17 to 18. 2019
2. Mohanasundari. SK. "Effectiveness of virtual reality therapy on pain and anxiety among children undergoing painful procedures in UMAID Hospital, Rajasthan: 2<sup>nd</sup> Annual paediatric health care conference, Dubai UAE. June 17 to 18. 2019.

**Resource Faculty:**

1. Mohanasundari SK "Inferential statistics: Workshop on research methodology. Maikadhija College of Nursing, Jodhpur. Dec 14<sup>th</sup> & 15<sup>th</sup> 2019.
2. Mohanasundari SK "Research designs: Workshop on research methodology. Maikadhija College of Nursing, Jodhpur. Dec 14<sup>th</sup> & 15<sup>th</sup> 2019.
3. Mohanasundari SK "Neonatal Nursing: 2<sup>nd</sup> Annual paediatric health care conference, Dubai UAE. June 17 to 18. 2019.

**Membership/Post in Journal or Society or Association :**

1. SOMI (August-2019)

**Name of Faculty: Arti**  
**Designation: Tutor/Clinical Instructor**

**Research Project:****Ongoing:****As Co- Supervisor**

1. A descriptive study to assess knowledge and attitude regarding contraceptive methods among Postnatal mothers admitted in AIIMS, Jodhpur.

**National/ International Conferences attended:**

1. International Conference of preoperative Nursing, under aegis of society of preoperative nursing, India supported by international federation of perioperative nurses (IFPN) organized by College of Nursing AIIMS, Jodhpur, 26th-27th Feb 2020.

2. Pre-Conference Workshop, International conference of Peri Operative Nursing (ICPN 2020) under aegis of society of Perioperative Nurses India supported by International Federation of Perioperative Nurses IFPN organized by College of Nursing AIIMS, Jodhpur, 25th Feb 2020

**Name of Faculty: Dr. Deviga T**  
**Designation: TUTOR/CI (NURSING)**

**Research Project:****Completed:**

1. Co-Investigator: Knowledge and attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur

**Workshops/ Conferences Organized**

1. International Conference of Perioperative Nursing ICPN – 2020, organized by College of Nursing, AIIMS Jodhpur, 25<sup>th</sup> to 27<sup>th</sup> February 2020

**Resource Faculty:**

1. Pre-conference work shop, International Conference of Perioperative Nursing ICPN – 2020, 25<sup>th</sup> to 27<sup>th</sup> February 2020, College of Nursing, AIIMS Jodhpur.

**Paper Presented:**

1. Deviga T. Impact of musculoskeletal discomforts on the quality of life of pregnant women in antenatal clinics at AIIMS Jodhpur. 14<sup>th</sup> National conference of SOMI, 26<sup>th</sup> - 28<sup>th</sup> Sep 2019. Raipur.

**National/ International Conferences attended:**

1. Introductory Trainer's Course, National conference organized by Depart of Paediatric. 3<sup>rd</sup> Nov 2019, AIIMS Jodhpur.
2. 14<sup>th</sup> National conference of SOMI, 26<sup>th</sup> - 28<sup>th</sup> Sep 2019, Raipur.
3. Repro Med update and workshop 2019, 21&22<sup>nd</sup> December, AIIMS Jodhpur.
4. CME on polycystic Ovarian Syndrome, 28<sup>th</sup> July 2019, AIIMS Jodhpur
5. CME on Maternal and Fetal medicine, 12<sup>th</sup> May 2019, AIIMS Jodhpur
6. International Conference of Perioperative Nursing ICPN – 2020, 25<sup>th</sup> to 27<sup>th</sup> February 2020, College of Nursing, AIIMS Jodhpur

**Name of Faculty: Mr. Sabari Vel**  
**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized:**

1. International conference of perioperative Nursing. College of Nursing AIIMS Jodhpur. 25-27<sup>th</sup> February 2020

**Resource Faculty:**

1. Sampling techniques. Research Methodology. 13-14<sup>th</sup> December 2019. Mai Khadija institute of Nursing Science Jodhpur.

**Research Project:****Ongoing:**

**As Principal Investigator**

1. Effectiveness of interactive guided imagery and mirror therapy on quality of life among patient with stroke.

**National/ International Conferences attended:**

1. Attended National Conference of ICPN 2020 at AIIMS Jodhpur, 25/2/20 to 27/2/20.
2. Attended National conference of NABI 2019 at AIIMS Jodhpur, 3/8/19 to 4/2/19.

**Name of Faculty: Minakshi Shayar**  
**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conference attended:**

1. NABI MID TERM CME-2019 Organized by Burn and plastic surgery department AIIMS Jodhpur 3-4 August 2019.

**Name of Faculty: Ms. Deepali Gaikwad**  
**Designation: TUTOR/CI (NURSING)**

**Research project:**

**Ongoing:**

**As co-investigator**

1. A study to assess knowledge regarding awareness of burn management among adult population residing in rural area.

**Name of Faculty: Mr. Arvind**  
**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences attended**

1. NABI MID TERM CME -2019, Organized by Burn and Plastic surgery department AIIMS Jodhpur 3-4 Aug 2019
2. Workshop on AFB & Measles sensitization organized by department of pediatrics AIIMS Jodhpur on 07<sup>th</sup> Feb 2020
3. International conference of perioperative nursing (ICPN) on quality health care through collaborative approach organized by college of nursing AIIMS Jodhpur, 26-27 February 2020.

**Name of Faculty: Mrs. Jaishri**  
**Designation: TUTOR/CI (NURSING)**

**Workshops/ Conferences Organized**

1. International Conference of Peri-Operative nursing "Quality health care through collaborative approach". College of Nursing AIIMS Jodhpur. 25-27<sup>th</sup> February 2020.

**National/ International Conferences attended:**

1. CME on polycystic ovarian syndrome. Dept of O obstetrics and Gynecology, AIIMD Jodhpur, on 28/07/2019

2. NABI-MID TERM CME -2019. Dept of Burns and Plastic surgery AIIMS Jodhpur on 3<sup>rd</sup> -4<sup>th</sup> August 2019.

**Name of Faculty: Mr. Manish Kumar Balai**

**Designation: TUTOR/CI (NURSING)**

**Research Project:**

**Ongoing:**

**As Co-Investigator**

1. A study to assess the knowledge regarding Crimean-Congo Hemorrhagic Fever (CCHF) among nursing officers at All India Institute of Medical Sciences, Jodhpur.

**Workshops/ Conferences attended**

1. International conference of perioperative nursing (ICPN) on quality health care through collaborative approach organized by college of nursing AIIMS Jodhpur, 26-27 February 2020

## School of Public Health

### About the Department :

SPH-AIIMS Jodhpur is dedicated to provide excellence in public health education, research, fellowship, training, and highest standard of care to community. The Master of Public Health (MPH) program at AIIMS, Jodhpur is developed to provide professionals the critical multidisciplinary training to help tackle various public health issues and achieve leadership position. It provide platform to public health enthusiasts to apply public health concepts, principles, and methodologies obtained through course work to actual health problems in the community or work environment.

SPH was started in 2017 and till date two batches has passed. Currently SPH has two batches of MPH (2019 & 2020). Students of SPH apart from classroom teaching & training have been provided opportunity of internships/ observer-ship at various governmental organization and reputed NGO's such as NIHFWS - New Delhi, NHM - Rajasthan, NHSRC - New Delhi, Care India, Help Age International, Engender Health, Regional Medicine Research Centre (RMRC) - Bhubaneswar, DMRC Jodhpur, ISRO, Jodhpur, Department of Social Justice and Empowerment, Jodhpur etc. to gain an understanding of the policy process; to refine the knowledge of the principles of health equity across all genders and age groups; for an insight to the process of health technology assessment; and to have an experience of a core institute dedicated to research process. Students of earlier batch have been offered placements in various reputed governmental & non- governmental agencies such as DMRC, INCELN, National Institute of Tuberculosis and Respiratory Diseases, Care India, RMRC, PGIMER, NHSRC, ICMR etc.

### Workshops/ Conferences/Trainings Organized:

S. No	Name of Conference	Date
1	Workshop on Systemic Reviews and Meta-Analysis	18-19 June, 2019
2	WHO update on AFP and Measles surveillance	01-31, August, 2019
3	Workshop on Rabies Free Jodhpur	29, September, 2019
4	Symposium on Public Health Nutrition	30, September, 2019
5	World Bioethics Day 2019	19, October, 2019
6	Digital Health Training Programme	24-26, November, 2019
7	National Tuberculosis Elimination Program (NTEP) & Programmatic Management of Drug- Resistant TB(PMDT): Updates, Challenges & Way forward with WHO	10, February, 2020
8	ACIES Conference, at IIPH Gandhinagar	8-10 January, 2020

**Visitors:**

S. No.	Name of Visitors	Designation & Organization	Date of Lecture
1	Dr. Dileep Mavalankar	Director, IIPH Gandhinagar	10 April, 2019
2	Dr. Deepak Saxena	Additional Professor, IIPH-Gandhinagar	18-19 June 2019
3	Dr Zahiruddin Quazi Syed	Professor (Community Medicine), JN Medical College Recipient of Australian Leadership Award Fellowship (ALAF) Adjunct Faculty Georgia Southern University, USA	18-19 June 2019
4	Dr Mahalaqua Nazli Khatib	Director, Division of Evidence Synthesis, School of Epidemiology and Public Health and Head, Centre of Global Evidence Synthesis Initiative, and Professor	18-19 June 2019

		in the Department of Physiology	
5	Dr. Sandul Yasobant	Junior Researcher at ZEF	18-19 June 2019
6	Dr. Chandrakant Lahariya	National Professional Officer at World Health Organization, New Delhi	4, July, 2019
7	Dr. Kriti Patel,	SMO Jodhpur, WHO.	18, July, 2019
8	Dr. Karunesh Tuli	(Visiting Assistant Professor, AUA Gerald and Patricia Turpanjian School of Public Health)	29, July, 2019 to 1 August, 2019
9	Ms. Aarti Yadav	Public Health Nutritionist at Jodhpur School of Public Health (JSPH), Jodhpur, Rajasthan	30 September 2019
10	Dr. Rashmi Rathore	Public Health Nutritionist at Jodhpur School of Public Health (JSPH), Jodhpur, Rajasthan	30 September 2019
11	Prof (Dr.) Ram Gopal	Chairman, RAB , IRIIM	30 September 2019
12	Mrs. Shashi Tyagi	Co-Founder and Secretary, GRAVIS	19 October 2019
13	Shri Anil Vyas	Assistant Deputy Director, Samaj Kalyan Vibhag, Jodhpur	19 October 2019
14	Dr. Rana Sengupta	Managing Trustee & CEO at Mine Labour Protection Campaign Trust (MLPC)	21-23 October, 2019
15	Dr. Vinod Deewan	Senior Professor, Global, Health, Karolinska Institute, Stockholm, Sweden	06-07 November, 2019
16	Dr. Prof. Supten Sarbadhikari	Health Informatics Educationist and Expert, Digital Health roster, World Health Organization (WHO)	24-26 November 2019
17	Dr Giribabu Dandabathula	Scientist, ISRO, Jodhpur	August, 2019
18	Dr Gaurav Upadhyay	Scientist/ Engineer, ISRO, Jodhpur	26 <sup>th</sup> November 2019



**Publications**

1. Patel M, Bhardwaj P, Nebhinani N, Goel AD, Patel K. Prevalence of psychiatric disorders among older adults in Jodhpur and stakeholders perspective on responsive health system. *J Family Med Prim Care* 2020;9:714-720
2. Suthar P, Joshi NK, Joshi V. Study on the perception of Swachh Bharat Abhiyan and attitude towards cleanliness among the residents of urban Jodhpur. *J Family Med Prim Care* 2019;8:3136-3139
3. Jain YK, Joshi NK, Bhardwaj P, Suthar P. Health-promoting school in India: Approaches and challenges. *J Family Med Prim Care* 2019;8:3114-3119
4. Giribabu D, Muvva VR, Joshi NK, Rao SS. Assessment of Epidemiological Implications Due to Serial Tropical Cyclones in India: Introspecting the Recent Sanitation Interventions. *Disaster Medicine and Public Health Preparedness*. Cambridge University Press; 2020; 1-10.
5. Goswami D, Singh K, Bhardwaj P, Panda S, Goel A, Joshi N, Khichar S, Puri I. Economic burden of acute stroke care in beneficiaries and non-Beneficiaries under social security schemes at tertiary care hospitals of western Rajasthan. *Annals of Indian Academy of Neurology*. Wolters Kluwer -- Medknow Publications. 10.4103/aian.AIAN\_393\_19.
6. Choudhary N, Gupta MK. A comparative study of perception and practices regarding menstrual hygiene among adolescent girls in urban and rural areas of Jodhpur district, Rajasthan. *J Family Med Prim Care* 2019;8:875-880
7. Joshi V, Joshi NK, Bajaj K, Suthar P, Fant G, Purohit A. Undergraduate public health degree courses in India: selected overview. *Int. J Community Med Public Health* 2019; 6:4224-31.
8. Joshi V, Joshi NK, Bajaj K, Bhardwaj P. HIV/AIDS awareness and related health education needs among slum dwellers of Jodhpur city. *Indian J Community Health* [Internet]. 2020Mar.31 [cited 2020May19];32(1):167 -169

**Any other:**

1. Scholarship received by MPH Scholars and Demonstrator for participating in Facilitator based E-learning course on Project Management in Global Health conducted by Department of Global Health, University of Washington, USA .
2. Scholarship received by Demonstrator for participating in on campus Fundamentals of Implementation Science in Global Health course conducted at Department of Global Health University of Washington, Seattle USA .

3. MPH Scholars (Batch 2019) received award in logo completion and poster presentation at ACIES Conference IIPH-Gandhinagar.
4. Poster selected for presentation by MPH Scholar Batch 2019 at IPHACON 2020 AIIMS New Delhi
5. Health-Promoting School initiative launched by SPH AIIMS.
6. MPH Scholars (Batch 2019) received award in poster completion for best poster in World No Tobacco Day event conducted at AIIMS Jodhpur.
7. National Health Systems Resource Centre (NHSRC) conducted first campus placement interviews for MPH Scholars at SPH, AIIMS Jodhpur.
8. SPH contributed in successfully carrying out Pulse Polio Abhiyan, MR Campaign & Mission Indradanush with State Medical Health Department & WHO.
9. IEC material developed by SPH, AIIMS Jodhpur for COVID-19 endorsed by IAPSM.



SPH, AIIMS Jodhpur conducting AFP surveillance and Measles Campaign



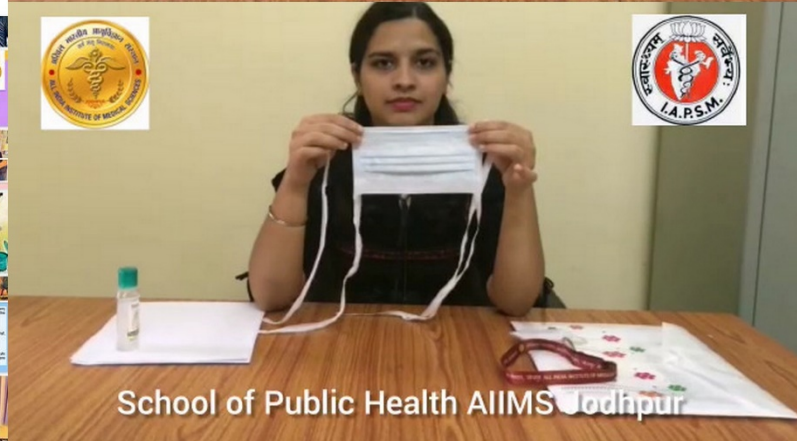
SPH, AIIMS Jodhpur at National Urban Development Summit



School of Public Health AIIMS Jodhpur  
31 March at 19:53  
#Awareness\_SPH\_AIIMS\_Jodhpur



School of Public Health AIIMS Jodhpur



School of Public Health AIIMS Jodhpur

IEC Material & Logo developed by SPH, AIIMS Jodhpur for fight against COVID-19

# **Construction & Development Works at AIIMS**



### Engineering Department AIIMS Jodhpur

S. No.	Name	Designation
1	Er. Sunil Mathur	Executive Engineer Civil (Looking after charge of Superintending Engineer)
2	Er. Pankaj Saxena	Executive Engineer Electrical
3	Er. Chandresh Pareek	Assistant Engineer Civil
4	Er. Ajit Kumar	Junior Engineer Electrical
5	Er. Harshit Bhandari	Junior Engineer Electrical

### Project Consultants M/s HLL INFRA TECH SERVICES LTD. (since April'2016)

S.No.	Name	Designation
1	Er. Komal Singh Sambhalwal	Senior Manager Electrical
2	Er. Yogesh Mathur	Project Engineer Civil
3	Er. Varun Kumar	Assistant Project Engineer Mechanical
Note: Er. Vivek Bhardwaj, Manager Civil (Dy. P.M.) PC-HITES relieved by HITES on 30.09.2019		

### Original DDPR Consultants - M/s Mathur & Kapre Associates Pvt. Ltd.

### Original Construction Works at AIIMS, Jodhpur

The construction works at AIIMS, Jodhpur were taken up in four packages I to IV. All the four packages tenders for the construction works were awarded by MoH&FW,GOI. Till July



2015 the contractor payments for all the construction works had been made from MoH&FW, New Delhi office.

**Status of construction works packages:-**

<b>Package</b>	<b>Name of Agency/Contractor</b>	<b>Nature of work</b>	<b>Contract Amount (Rs. In Crore)</b>	<b>Stipulated Date of Commencement &amp; Completion as per agreement</b>	<b>Progress upto 31<sup>st</sup> March 2020</b>
<b>I</b>	M/s Consolidated Construction Consortium Ltd.	Medical College Complex Buildings	66.39	30.05.2010 29.08.2011	Work Completed on 30.04.2017
<b>II</b>	M/s L & T Ltd.	Hospital Complex Buildings	217.09	16.09.2010 15.09.2012	Work Completed on 20.12.2019
<b>III</b>	M/s Sudhir Gensets Ltd.	Electrical Services	43.38	19.08.2011 18.12.2012	Work Completed on 30.10.2015
<b>IV</b>	M/s Jatan Construction Pvt. Ltd.	Estate Services	51.84	04.07.2012 03.07.2013	Work Completed on 15.11.2016

**Engineering Officers Engaged through Outsourcing  
for looking after Maintenance & Miscellaneous works  
at AIIMS Jodhpur**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>
1.	Er. Kunal Utralia	Junior Engineer (Electrical)
2.	Er. Gaurav Sharma	Junior Engineer (Electrical)
3.	Er. Kailash Paliwal	Junior Engineer (Electrical)
4.	Er. Mridul Mathur	Gas Officer (Mechanical)
5.	Er. Piyush Bohra	Junior Engineer (IT)
6.	Er. Gaurav Sawriya	Junior Engineer (Mechanical)
7.	Er. Akhil U.V. Singh	Junior Engineer (Civil)
8.	Er. Neelu Mathur	Junior Engineer (Civil)
9.	Er. Madhav Ram	Junior Engineer (Civil)

**Package – I**  
**(Medical College Complex)**

<b>S.No</b>	<b>Name Of Building</b>	<b>Configuration</b>	<b>Total Floor (Sq.Metre)</b>
1	Medical college	G+3	29560
2	Nursing college	G+2	6462
3	Ayush	G+1	1830
4	Elect. Sub-station-II	G	750
5	Waste management complex	G	624
6	Auditorium	G+2	4724
	<b>Total</b>		<b>43950</b>

**Package – II**  
**(Hospital Complex)**

<b>S.No</b>	<b>Name Of Building</b>	<b>Configuration</b>	<b>Total Floor (Sqm)</b>
1	WARD	G + 6	33192
2	OPD	G + 5	22081
3	D&T OT	G + 6	23383
4	TRAUMA	G+2	8865
5	ESS 1	G+1	3230
6	PMR	G+1	2920
7	ONCOLOGY	G+1	2966
8	WORKSHOP	G+1	2838
9	LAUNDRY	G	1563
10	MORTUARY	G	664
11	CAFETERIA	G	834
12	MGP – LGP	G	150
	<b>Total</b>		<b>102686</b>

**Package – III**  
**(Electrical Services)**

<b>S.No.</b>	<b>Description Of Items</b>	<b>Remarks</b>
1	2000 KVA DG SETS	04 SETS
2	1010 KVA DG SETS	03 SETS
3	33KV/433V OIL TRANSFORMERS – 2.5 MVA	05 NOS
4	33KV/433V OIL TYPE TRANSFORMERS – 1.6 MVA	02 NOS
5	HT PANELS	03 SETS
6	LT PANELS	27 SETS
7	UPS	4 x 600 KVA
8	UPS	2 X 160 KVA
9	20 KL BULK OIL STORAGE AND TRANSFER SYSTEM	2 SETS
10	SCADA SYSTEM	1 SET
11	SOLAR PHOTOVOLTAIC SYSTEM 60 KW	1 SET
12	BUS DUCT	
13	COMPREHENSIVE OPERATION & MAINTENANCE	6 YEARS

**Package – IV**  
**(Estate Services)**

<b>S.No</b>	<b>Name Of Building</b>	<b>Configuration</b>	<b>Total Floor (Sqm)</b>
1	Roads & Land Scape	Roads & Paths	43000 Sqm
2	Landscaping and Fountain Work	Horticulture	50000 Sqm
3	External Sewerage	HDPE Pipe Line	5000 Rmt
4	External Water Supply	DI/CPVC Pipe Line	5000 Rmt
5	External Fire Fighting	MS Pipe Line	8500 Rmt
6	Garden Irrigation System	HDPE Pipe Line	15700 Rmt
7	Pumps and Water Treatment Plants	Hydro pneumatic System	6 Sets
8	Bore Well	Borewell	3 Nos.
9	Sewage Treatment Plant	850 KLD MBR Based STP	850 KLD
10	Solar Hot Water System	5000 LPD & 2500LPD	6 + 2 = 8 Nos
11	External Lighting Works	External Lighting	For entire complex

The construction of the Residential Complex and Hostels had been completed on 15.01.2011 by M/s RSRDC Ltd.

### Faculty Houses

S. No	Name Of Building	Description
1	Type-V	24 Units
2	Type-IV	22 Units
3	Type-III	18 Units

### Staff Houses

S. No	Name Of Building	Description
1	Type-II	70 Units
2	Type-I	32 Units

### Hostel Blocks

S. No.	Name Of Building	No. Of Rooms
1	PG and Interns Hostel	216
2	Resident Hostel	190
3	UG Boys Hostel	250
4	UG Girls Hostel	125
5	Nurses Hostel	200
6	Dining Block	1000 Person

## Works done by CPWD in AIIMS Jodhpur

<b>Works Executed Through CPWD in FY 2019-20 (COMPLETED WORKS)</b>						
<b>S.No.</b>	<b>Name of Work</b>	<b>Sanctioned Cost (Rs. In Crore)</b>	<b>Date of Commencement</b>	<b>Date of Completion</b>	<b>Progress upto 31<sup>st</sup> March 2020</b>	<b>Remarks</b>
1.	C/o Bone Preparation Lab at AIIMS Jodhpur	3.0	Apr' 2018	Mar' 2020	100%	It's a G+2 Stroy RCC structure. Sanction of 2 <sup>nd</sup> floor received in March 2019.
2.	C/o Shopping Center for Residential complex at AIIMS Jodhpur.	0.22	Jan' 2018	Mar' 2020	100%	Porta cabin type shops were constructed.
3.	C/o Sports Complex, i/c all weather Synthetic flooring for Basketball, Volleyball courts in AIIMS Jodhpur	6.54	Sep' 2018	Dec' 2019	100%	Work of Sports ground has been completed and inaugurated by Hon'ble Union Health Minister. The work of Synthetic flooring is yet to be done.
4.	Modification of Director's Room Waiting Area & President's Room at AIIMS Jodhpur.	0.08	July'2019	Aug'2019	100%	Work Completed
5.	Plastering 02 Nos. Side walls of Ramp between medical OPD and psychiatry OPD at AIIMS, Jodhpur	0.33	Aug' 2019	Nov' 2019	100%	Work Completed
6.	Aluminium Partition in Microbiology Lab-Regional Level Viral Research and Diagnostic Laboratory (VRDL) at AIIMS Jodhpur.	0.12	Sept' 2019	Dec' 2019	100%	Work Completed
7.	Providing and Repairing of False Ceiling	0.15	Mar' 2020	Apr' 2020	100%	Work Completed

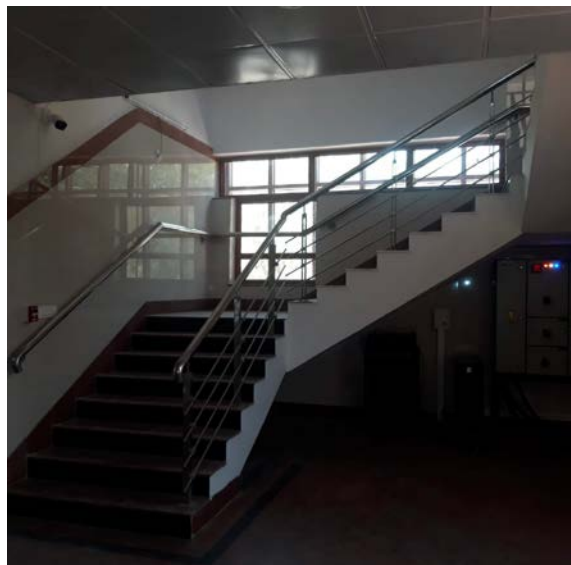
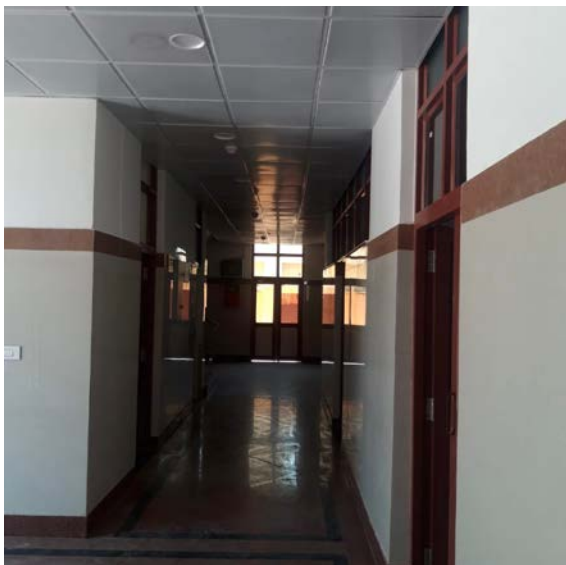
### Works Being Executed Through CPWD in FY 2019-20 (WORKS IN PROGRESS)



S.No.	Name of Work	Sanctioned Cost (Rs. In Crore)	Date of Commencement	Target Date of Completion	Progress upto 31 <sup>st</sup> March 2020	Remarks
1.	C/o Central Animal House AIIMS at Basni, Jodhpur (Raj.).	6.92	Dec' 2018	Dec' 2020	70%	Sanction of one additional floor and HVAC system received in May'2019 and Dec' 2019 respectively.
2.	C/o New Boys Hostel for 300 Students & Construction of New Girls Hostel for 350 Students at AIIMS, Jodhpur	73.68	Sept' 2019	Jun' 2021	21%	Work hindered due to Lockdown because of COVID 19.
3.	C/o 100 Type V Quarters at AIIMS, Jodhpur	98.94	Jan' 2020	Jan' 2022	3%	Work hindered due to Lockdown because of COVID 19.
4.	Construction of Student Activity Centre at AIIMS Jodhpur.	25.03	Mar' 2020	Sep' 2021	3%	Work hindered due to Lockdown because of COVID 19.
5.	Vertical Extension of Dinning Hall at AIIMS Jodhpur.	4.96	Oct' 2018	Oct'2020	65%	Finishing work is in progress.

**Works Being Executed Through CPWD (WORKS IN PLANNING)**

S.No.	Name of Work	Sanctioned Cost (Rs. In Crore)	Date of Commencement	Target Date of Completion	Progress upto 31 <sup>st</sup> March 2020	Remarks
1.	Construction of Administrative Building at AIIMS Jodhpur.	119.57	Dec' 2020	Dec' 2022	Yet to start	Drawings are being modified as per directions of Building Committee.
2.	Construction of Academic Building at AIIMS Jodhpur.	168.00	Jan' 2021	Jan' 2023	Yet to start	Drawings are being modified as per revised requirements.





**BONE LAB, AIIMS JODHPUR**





**SPORTS COMPLEX, AIIMS JODHPUR**



**C/o HOSTELS, AIIMS JODHPUR**



**C/o ANIMAL HOUSE, AIIMS JODHPUR**

## Engineering & Development works in Pictures



Engineering Team



Over head to Under ground Laying work of 132 kV  
double circuit EHV Line



Orange Lightening towards World Patient Safety Day  
announced by WHO on 17th September, 2019



Non Destructive Test for Structural Elements of Building  
at Newly Constructed D&T OT Block

Establishment of Virology Lab during COVID Pandemic  
Lockdown Period in 5 Days Recode Time

Quarterly Fire Mock Drill



## Installation of Mechanized Laundry Plant at AIIMS Jodhpur



Corridor D&T OT Block

(18 17) Bedded State of Art ICU Block with 5 KTU & 2 Isolation Rooms at D&T OT Block functional since 02 March 2020.



General Waste Storage Shed



CPR Session By Department of Anaesthesiology and Critical Care,  
also attended by State DRF Team



Cafeteria near IPD



Labour Block & Modular OT at 2nd floor  
D&T OT Block functional since 17th February, 2020.



Fire Audit done by Prof. V.K Paul, Dean (Planning and Development), SPA ,  
New Delhi on 04th June, 2019



Installation of dedicated double skin AHU for  
Transplant OT's at D&T OT Block (1)

OT Block Ramp

# **Audited Annual Accounts**





**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
JODHPUR**

**Financial Statements for the Financial Year  
2019-20**

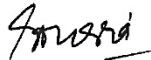


**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****BALANCE SHEET AS AT 31st MARCH 2020**

S.No.	PARTICULARS	SCHEDULE	(Amount - Rs.)	
			Current Year	Previous Year
	<b>CORPUS / CAPITAL FUND AND LIABILITIES</b>			
a)	CORPUS / CAPITAL FUND	1	883,022,488	663,842,886
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	4,601,298,940	3,548,817,669
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	924,212,757	514,616,120
	<b>TOTAL</b>		<b>6,408,534,185</b>	<b>4,727,276,675</b>
	<b>ASSETS</b>			
a)	FIXED ASSETS	8	3,506,741,669	2,527,929,470
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	532,000,000	601,000,000
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	2,369,792,516	1,598,347,205
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	<b>TOTAL</b>		<b>6,408,534,185</b>	<b>4,727,276,675</b>
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
Ms. Rashmi Tahiliani  
F&CAO

  
Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2020**

RECEIPTS			PAYMENTS		
	Current Year	Previous Year		Current year	Previous year
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash in hand	17,915	14,099	a) Establishment Expenses (corresponding to Sch.20)	1995620163	1,427,872,063
b) Bank Balances	450,486,472	250,862,839	b) Administrative Expenses (corresponding to Sch.21)	1720315080	1,338,507,078
<b>II. Grants in Aid Received</b>			<b>II. Investments and deposits made</b>		
a) From Government of India			Fixed Deposit		
For Capital	1,401,000,000	1,150,000,000	(Investments - others)		
For Salary	2,066,000,000	1,121,400,000			
For General	1,905,800,000	1,218,400,000	<b>III. Expenditure on Fixed Assets</b>		
For SAP	30,000,000	-	Purchase of Fixed Assets	1335356859	1,321,932,224
b) From State NMH	15,400,000	-			
<b>III. Interest Received</b>			<b>IV. Advances</b>		
a) On Bank Deposits	59501040	116,704,432	a) Loans & Advances	23,514,857	1,584,000
<b>IV. Other Income (Specify)</b>			b) Sundry Debtors	57,072,325	164,352,421
a) Fees Collection	3,974,793	3,910,872			
b) Receipts from Hospital Section	211,545,914	150,479,988	<b>V. Other Payments (Specify)</b>		
c) Application Fees	737,200	230,333	a) Sundry Creditors	19,997,893	(23,482,147)
<b>V. Amount Borrowed/ Advance</b>			b) Duties & Taxes	2,618,975	(399,725)
a) Security & EMD of Tenders	30,697,803	10,557,560	c) Others	487,101	70,325,999
b) Patient Treatment	7,609,245	(848,854)			
<b>VI. Any other receipts</b>			<b>VI. Closing Balances</b>		
a) Tender receipts	-	-	a) Cash in hand	20,702	17915
b) Application Money for Recruitment	214,925	(10,055,176)	b) Bank Balances	1,122,118,472	450,486,472
c) Fixed Deposits	69000000	734500000			
d) Caution Money & Hostel Security	323100	377900			
e) Fund for Micrology lab	21,350,000	-			
f) Others	3,464,019	4,662,307			
<b>TOTAL</b>	<b>6,277,122,427</b>	<b>4,751,196,300</b>	<b>TOTAL</b>	<b>6,277,122,427</b>	<b>4,751,196,300</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Ms. Rashmi Tahiliani  
F&CAO


Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2020**

		(Amount - Rs.)	
<b>INCOME</b>	Schedule	Current Year	Previous Year
Income from Sales / Services	12	211,545,914	150,479,989
Grants / Subsidies	13	3,771,227,098	2,721,801,650
Fees / Subscriptions	14	3,974,793	3,910,872
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	61,645,394	82,028,732
Other Income	18	360,208,555	297,632,889
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>4,408,601,754</b>	<b>3,255,854,131</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	2,441,230,297	1,807,510,665
Other Administrative Expenses etc.	21	1,329,996,801	914,290,985
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		356,544,660	294,565,649
<b>TOTAL (B)</b>		<b>4,127,771,758</b>	<b>3,016,367,299</b>
Balance being excess of Income over Expenditure (A - B)		280,829,996	239,486,833
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
TDS on Rent adjusted to Capital Account		4,000	16,000
Tender Fees Return		1,000	-
<b>BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND</b>		<b>280,824,996</b>	<b>239,470,833</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
Ms. Rashmi Tahiliani  
F&CAO


  
Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020**

		(Amount - Rs.)			
		Current Year	Previous Year		
<b>SCHEDULE 1 - CORPUS / CAPITAL FUND :</b>					
Balance as at the beginning of the year		663,842,886	490,643,658		
Add: Contribution towards Corpus / Capital Fund		-	-		
Add / (Deduct): Balance of net income / (expenditure) transferred from Income and Expenditure Account		280,824,996	239,470,833		
Add: Excess depreciation of Last year wrtten back in C.Y.		-	15,757,128		
Less : Interest income transfer to Consolidate fund of India		61,645,394	82,028,732		
<b>BALANCE AS AT THE YEAR - END</b>		<b>883,022,488</b>	<b>663,842,886</b>		
(Amount - Rs.)					
<b>SCHEDULE 2 - RESERVES AND SURPLUS</b>		<b>Current Year</b>		<b>Previous Year</b>	
<b>a) Capital Reserve:</b>					
As per last Account		-		-	
Addition during the year		-		-	
Less : Deductions during the year		-		-	
<b>b). Revaluation Reserve:</b>					
As per last Account		-		-	
Addition during the year		-		-	
Less : Deductions during the year		-		-	
<b>c) Special Reserves :</b>					
As per last Account		-		-	
Addition during the year		-		-	
Less : Deductions during the year		-		-	
<b>d) General Reserve :</b>					
As per last Account		-		-	
Addition during the year		-		-	
Less : Deductions during the year		-		-	
<b>TOTAL</b>		<b>-</b>		<b>-</b>	

For and on behalf of All India Institute of Medical Sciences, Jodhpur


  
 Ms. Rashmi Tahiliani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020**

	FUND-WISE BREAK UP						TOTAL	
	Deferred Income for Capital Assets		Grant Received for Capital Assets		Grant under SAP		Current Year	Previous Year
	Current Year	Previous Year	Current Year	Previous Year	Current Year	Previous Year	Current Year	Previous Year
a) Opening balance of the funds	2,527,082,924	1,483,959,221	985,805,502	1,168,504,870	35,929,243	44,329,210	3,548,817,869	2,696,793,301
b) Additions to the Funds:								
i) Donations / grants	-	-	-	-	30,000,000	-	1,431,000,000	1,150,000,000
ii) Income from investments made on account of funds	-	-	1,401,000,000	1,150,000,000	-	-	-	-
iii) Other additions	-	-	-	-	-	-	-	-
iv) Capital Assets creation from Grants	1,335,356,858	1,337,689,352	-	-	-	-	1,335,356,858	1,337,689,352
v) Fund Received	3,862,439,782	2,821,648,573	2,386,805,502	2,318,504,870	65,929,243	44,329,210	6,315,174,527	5,184,482,653
<b>TOTAL (a + b)</b>								
c) Utilisation / Expenditure towards objectives of funds								
i) Capital Expenditure	-	-	1,322,562,636	1,332,699,368	12,794,222	4,989,984	1,335,356,858	1,337,689,352
• Fixed Assets	-	-	-	-	-	-	-	-
• Others	-	-	1,322,562,636	1,332,699,368	12,794,222	4,989,984	1,335,356,858	1,337,689,352
ii) Revenue Expenditure	356,544,660	294,565,649	-	-	-	3,409,983	21,974,069	3,409,983
• Salaries, Wages and allowances etc.	-	-	-	-	-	-	356,944,660	294,565,649
• Rent & Others	-	-	-	-	-	-	378,518,729	297,975,632
• Other For Depreciation adjustment	356,544,660	294,565,649	-	-	-	3,409,983	21,974,069	3,409,983
Total	356,544,660	294,565,649	1,322,562,636	1,332,699,368	34,768,291	8,399,967	1,713,875,587	1,635,664,984
<b>TOTAL (c)</b>	3,505,895,122	2,527,082,924	1,064,242,866	985,805,502	31,160,952	35,929,243	4,601,298,940	3,548,817,669
<b>NET BALANCE AS AT THE YEAR END (a + b - c)</b>								

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Ms. Rashmi Tahiliani  
F&CAO
  
Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020****(Amount - Rs.)**

<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS :</b>		<b>Current Year</b>		<b>Previous Year</b>	
a)	Central Government	-	-	-	-
b)	State Government (Specify)	-	-	-	-
c)	Financial Institutions	-	-	-	-
i)	Term Loans	-	-	-	-
ii)	Interest accrued and due	-	-	-	-
d)	Banks:				
i)	Term Loans	-	-	-	-
	Interest accrued and due	-	-	-	-
ii)	Other Loans (specify)	-	-	-	-
	Interest accrued and due	-	-	-	-
e)	Other Institutions and Agencies	-	-	-	-
f)	Debentures and Bonds	-	-	-	-
g)	Others (specify)	-	-	-	-
<b>TOTAL</b>		-	-	-	-
<b>(Amount - Rs.)</b>					
<b>SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS</b>		<b>Current Year</b>		<b>Previous Year</b>	
a)	Central Government	-	-	-	-
b)	State Government (specify)	-	-	-	-
c)	Financial Institutions	-	-	-	-
d)	Banks:				
i)	Term Loans	-	-	-	-
ii)	Other loans (specify)	-	-	-	-
e)	Other Institutions and Agencies	-	-	-	-
f)	Debentures and Bonds	-	-	-	-
h)	Others (specify)	-	-	-	-
<b>TOTAL</b>		-	-	-	-
<b>(Amount - Rs.)</b>					
<b>SCHEDULE 6 - DEFERRED CREDIT LIABILITIES</b>		<b>Current Year</b>		<b>Previous Year</b>	
a)	Acceptances secured by hypothecation of capital equipment and other assets	-	-	-	-
b)	Others	-	-	-	-
<b>TOTAL</b>		-	-	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Ms. Rashmi Tahiliani  
F&CAO


Dr. Sanjeev Misra  
Director

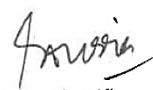
## ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

## SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020

		(Amount - Rs.)	
SCHEDULE - 7 CURRENT LIABILITIES AND PROVISIONS		Previous Year	
A. CURRENT LIABILITIES		Current Year	
a) Acceptances	-	-	-
b) Sundry Creditors	-	-	-
i) Consolidated Consortium Limited	-	-	-
ii) Sudhir Gensets Limited	-	25,962	25,962
c) Advances Received	-	-	-
d) Interest Accrued but not due on:	-	-	-
i) Secured Loans/Borrowings	-	-	-
ii) Unsecured Loans/Borrowings	-	-	-
e) Statutory Liabilities:			
i) Labour Cess & Others	1,055,096	-	-
ii) NPS Payable	1,583,086	5,292,228	-
iii) TDS on Contract / Non Salary	-	-	7,890
iv) State Insurance	32,961	1,964,994	-
v) Pension Scheme	2,507,319	-	-
		<b>5,188,462</b>	<b>7,265,112</b>
f) Other Current Liabilities			
i) EMD Deposits of Various Tenders	92,795,619	62,097,816	-
ii) Unspent Grant in Aid payable to Central Government			
Under Salary Head	143,185,538	72,805,701	-
Under General Head	172,066,648	27,679,998	-
iii) Hostel Fees ( Refundable )	1,709,000	1,420,000	-
iv) Caution Money (Refundable)	190,400	156,300	-
v) Amount due of Contractors	21,552,279	8,268,947	-
vi) Receipts for Patients Treatment from CMO/PMO/Others	15,497,027	7,887,782	-
vii) Application Fee for			
Faculty Recruitment	225,227	10,302	-
Staff Recruitment	10,078,511	10,078,511	-
viii) Others	31,942,951	9,539,414	-
ix) Interest earning remitted to Consolidate fund of India	212,521,228	150,875,834	-
x) Unspent Grant of NHM return to State Government	1,206,415	-	-
		<b>702,970,843</b>	<b>350,820,605</b>
<b>TOTAL (A)</b>		<b>708,159,305</b>	<b>358,111,679</b>
B. PROVISIONS			
a) For Taxation			
b) Others			
i) Electricity Expenses	7,216,387	7,037,578	-
ii) Water Expenses	100,000	120,180	-
iii) Telephone Expenses	357,666	300,000	-
iv) Transport Expenses	3,218,312	2,432,379	-
v) Manpower Services	34,331,280	32,095,783	-
vi) Security Services	38,684,930	37,689,928	-
vii) Repair & Maintance	13,952,291	8,760,329	-
viii) Provision for Furniture	495,570	495,570	-
ix) Learning Resource Allowance	12,555,374	-	-
x) Stipend Exp.	2,984,500	3,367,445	-
xi) Others	49,208,219	930,988	-
xii) Hospital Support Services	42,382,023	41,287,275	-
xiii) Housekeeping & cleaning	10,566,900	21,986,986	-
		<b>216,053,452</b>	<b>156,504,441</b>
<b>TOTAL (B)</b>		<b>216,053,452</b>	<b>156,504,441</b>
<b>TOTAL (A + B)</b>		<b>924,212,757</b>	<b>514,616,120</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
 Ms. Rashmi Tahillani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR  
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020

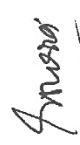
SCHEDULE 8 - FIXED ASSETS

DESCRIPTION	GROSS BLOCK							DEPRECIATION				NET BLOCK			
	Depreciat on Rate	Cost / valuation as at the beginning of the year	Additions during the year ( Before 30th Sep)	Additions during the year (After 30th sep)	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	On Additions during the year (Before 30th sep)	On Additions during the year (After 30th sep)	On Additions during the year	On Deduction this year	On Balance as on 1.4.18	Total up to the year-end	As at the current year-end	As at the previous year-end
	1	2	3	4(2+3)	5	6(1+4-5)	7	8	9	10(8+9)	11	12	13(7+10+12)	14(15+4-10-12)	15
<b>FIXED ASSETS</b>															
LAND (Leasehold Land)		5,070													5,070
BUILDINGS		1,730,887.720	74,483,377	434,387,331	85,895,614	65,565,614	0	6,558,582	0	6,558,582	0	0	6,566,562	59,009,052	0
PLANT MACHINERY & EQUIPMENT	15.00%	44,354,738	33,225,748	10,998,658	500,930,708	2,291,929,429	595,903,828	11,189,507	57,874,548	69,044,055	187,079,234	0	762,027,117	1,459,902,311	1,247,194,851
VEHICLES	40.00%				44,235,406	89,560,144	39,900,063	13,290,289	2,169,832	15,459,231	1,781,870	0	37,172,164	31,467,979	4,454,876
FURNITURE FIXTURES	10.00%	278,439,710	18,597,612	7,749,091	28,348,703	305,789,413	77,202,243	1,858,761	387,455	2,247,216	20,233,447	0	99,673,205	206,113,208	202,237,467
SCIENTIFIC EQUIPMENT	15.00%	63,614,682	1,795,079	2,639,394	4,401,473	68,016,155	21,766,215	284,373	197,955	482,287	6,278,770	0	28,487,252	39,418,803	41,858,467
COMPUTER / PERIPHERALS	15.00%	49,617,889	5,852,584	10,481,118	16,333,700	66,951,668	17,933,417	877,988	786,893	1,665,971	4,745,093	0	24,392,481	41,559,588	31,653,951
ELECTRIC INSTALLATIONS	40.00%	160,150,339	797,538	14,310,349	15,087,887	175,218,228	118,515,893	303,015	2,892,070	3,165,085	16,953,738	0	138,334,817	38,863,410	41,653,348
LIBRARY BOOKS		75,807,883	18,415,303	240,637	18,655,940	84,463,803	48,752,827	7,366,121	48,127	7,414,248	10,922,135	0	66,889,009	27,474,894	27,095,337
OTHER FIXED ASSETS		2,428,018,591	218,639,855	400,719,576	689,437,431	3,125,516,021	830,614,386	41,687,465	64,388,170	108,045,635	347,504,597	0	1,841,873,415	1,598,074,206	1,598,074,206
TOTAL OF CURRENT YEAR		1,472,812,432	472,168,355	461,085,003	953,276,159	2,428,018,591	538,789,050	80,374,147	61,709,887	149,083,815	144,141,520	0	1,598,074,206	938,923,382	938,923,382
PREVIOUS YEAR		933,083,407	167,808,174	495,326,831	625,135,285	1,548,218,612	-	-	-	-	-	-	1,548,218,612	933,083,407	933,083,407
CAPITAL WORK IN PROGRESS		386,449,079	936,113,607	1,322,952,638	-	4,671,734,633	-	41,687,465	-	106,045,635	247,584,587	0	3,481,092,027	2,919,197,813	2,919,197,813

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR  
SCHEDULE 8 - FIXED ASSETS (Exp Under SAP)

DESCRIPTION	GROSS BLOCK							DEPRECIATION				NET BLOCK			
	Depreciat on Rate	Cost / valuation as at the beginning of the year	Additions during the year ( Before 30th Sep)	Additions during the year (After 30th sep)	Deductions during the year	Cost / valuation at the year-end	As at the beginning of the year	On Additions during the year (Before 30th sep)	On Additions during the year (After 30th sep)	On Additions during the year	On Deduction this year	On Balance as on 1.4.18	Total up to the year-end	As at the current year-end	As at the previous year-end
	1%	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PLANT MACHINERY & EQUIPMENT	15%	10,627,484	857,910	426,632	12,794,222	23,321,706	1,755,626	1,282,187	318,473	1,600,660	0	1,315,779	4,672,885	16,649,641	8,771,863
TOTAL OF CURRENT YEAR		10,627,484	857,910	426,632	12,794,222	23,321,706	1,755,626	1,282,187	318,473	1,600,660	0	1,315,779	4,672,885	16,649,641	8,771,863
PREVIOUS YEAR		5,537,500	263,684	233,600	4,893,964	10,827,484	415,319	395,473	175,913	571,895	0	783,328	1,755,628	8,771,863	5,771,868
CAPITAL WORK IN PROGRESS		19,574,984	8,847,910	4,246,312	12,744,222	23,321,706	1,755,626	1,322,186.5	318,473.4	1,600,660	0	1,315,779	4,672,885	16,649,641	8,771,863
TOTAL		19,574,984	8,847,910	4,246,312	12,744,222	23,321,706	1,755,626	1,322,186.5	318,473.4	1,600,660	0	1,315,779	4,672,885	16,649,641	8,771,863

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Dr. Sanjeev Mishra  
Director



Ms. Rashmi Tahliani  
F&CAO



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020

(Amount - Rs.)		
SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Current Year	Previous Year
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Others to be specified	-	-
<b>TOTAL</b>	-	-
(Amount - Rs.)		
SCHEDULE 10 - INVESTMENTS - OTHERS	Current Year	Previous Year
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Fixed Deposit Receipts with Bank of Baroda, Jodhpur	532,000,000	601,000,000
<b>TOTAL</b>	532,000,000	601,000,000
(Amount - Rs.)		
SCHEDULE 11 - CURRENT ASSETS, LOANS AND ADVANCES ETC.	Current Year	Previous Year
<b>A. CURRENT ASSETS</b>		
a) Inventories		
i) Stores	184,305,372	198,789,360
b) Sundry Debtors		
i) Debts outstanding for a period exceeding six months	-	-
ii) Others	-	-
c) Cash balances in hand	20,702	17,915
d) Bank Balances		
i) With Scheduled Banks:	1,122,118,472	450,486,473
e) Post Office Savings Accounts	-	-
<b>TOTAL (A)</b>	<b>1,306,444,547</b>	<b>649,293,748</b>
<b>B. LOANS, ADVANCES AND OTHER ASSETS</b>		
a) Loans:		
i) Staff	1,368,000	1,584,000
ii) Other Entities engaged in activities/objectives similar to that of the Entity	-	-
b) Advances and other amounts recoverable in cash in kind or for value to be received:		
i) On Capital Account(National Informatics Centre)	885,730	138,730
ii) Others(Security Deposit with JVVNL)	1,025,700	1,025,700
iii) Advance given to AIIMS, Patna for faculty recruitment	319,012	319,012
iv) Security With BSNL	5,000	5,000
v) Research cell	9,003,959	20,347,389
vi) Advances for equipment	36,076,731	25,098,476
vii) CPWD	283,750,675	53,662,528
viii) Security Deposit for Gas Connection	20,400	20,400
ix) HLL Lifecare Limited	468,179,658	598,688,115
x) Others	5,330,103	6,520,000
xi) Advances		
• Faculty	1,659,000	1,406,886
• Staff	988,383	247,315
• Contractor	19,672,740	921,758
ii) AIIMS Delhi	5,000	-
iii) Registrar-General Delhi High Court	165,396,561	165,396,561
iv) AIIMS Gorakhpur	-	30,000,000
v) New Pension Scheme Recovery	23,730,857	-
c) Income Accrued:		
i) Accrued Interest Income	45,815,941	43,671,587
d) Claim Receivables:		
i) Prepaid Exp.	134,520	-
<b>TOTAL (B)</b>	<b>1,063,347,970</b>	<b>949,053,457</b>
<b>TOTAL (A + B)</b>	<b>2,369,792,516</b>	<b>1,598,347,205</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Ms. Rashmi Tahiliani  
F&CAO

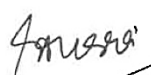
Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020**

(Amount - Rs.)		
<b>SCHEDULE 12 - INCOME FROM SALES / SERVICES</b>	<b>Current Year</b>	<b>Previous Year</b>
a) Income from Sales		
i) Sale of Finished Goods	-	-
ii) Sale of Raw Material	-	-
iii) Sale of Scraps	-	-
b) Income from Services		
i) Labour and Processing Charges	-	-
ii) Professional / Consultancy charges	-	-
iii) Agency Commission and Brokerage	-	-
iv) Maintenance Services (Equipment / Property)	-	-
v) Others		
vi) Lab testing fees	71,043,957	55,723,641
vii) Registration fees	4,119,480	4,026,380
viii) IPD Collection	122,860,417	79,158,400
ix) Blood Bank receipts	504,612	427,580
x) Consultancy fees	3,635,800	3,318,620
xi) Trauma & Emergency	9,381,649	7,825,368
<b>TOTAL</b>	<b>211,545,914</b>	<b>150,479,989</b>
(Amount - Rs.)		
<b>SCHEDULE 13 - GRANTS / SUBSIDIES</b> (Irrevocable Grants & Subsidies Received)	<b>Current Year</b>	<b>Previous Year</b>
a) Central Government		
i) Under General head	1,761,413,350	1,293,929,587
ii) Under Salary head	1,995,620,163	1,427,872,063
b) State Government		
i) Under NHM	14,193,585	-
<b>TOTAL</b>	<b>3,771,227,098</b>	<b>2,721,801,650</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
 Ms. Rashmi Tahiliani  
 F&CAO

  
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 Director

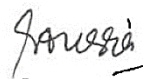
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020

<b>SCHEDULE 14 - FEES / SUBSCRIPTIONS</b>		(Amount - Rs.)		
		Current Year	Previous Year	
a) Entrance and Mess Fees				
i) MBBS Fees		944,400	943,738	
ii) Nursing Fees		130,095	128,030	
iii) Fees for PG		194,308	214,679	
iv) Fees for MPH		1,995,000	1,890,000	
v) Fees for Other courses		710,990	734,425	
<b>TOTAL</b>		<b>3,974,793</b>	<b>3,910,872</b>	
<b>SCHEDULE 15 - INCOME FROM INVESTMENTS</b>		(Amount - Rs.)		
(Income on investment from Earmarked / Endowment funds transferred to Fund:	Investment from Earmarked Fund		Investment- Others	
	Current Year	Previous Year	Current Year	Previous Year
a) Interest				
i) On Govt. Securities	-	-	-	-
ii) Other Bonds / Debentures	-	-	-	-
b) Dividends				
i) On Shares	-	-	-	-
ii) On Mutual Fund Securities	-	-	-	-
c) Rents	-	-	-	-
d) Others (Specify)	-	-	-	-
<b>TOTAL</b>	-	-	-	-
<b>SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.</b>		(Amount - Rs.)		
		Current Year	Previous Year	
a) Income from Royalty		-	-	
b) Income from Publications		-	-	
c) Others (specify)		-	-	
<b>TOTAL</b>		-	-	

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
 Ms. Rashmi Tahiliani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020****(Amount - Rs.)**

<b>SCHEDULE 17 - INTEREST EARNED</b>	<b>Current Year</b>	<b>Previous Year</b>
a) On Term Deposits		
i) With Scheduled Banks	61,645,394	82,028,732
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Saving Accounts		
i) With Scheduled Banks	-	-
ii) With Non Scheduled Banks	-	-
iii) Post Office Savings Accounts	-	-
iv) Others	-	-
c) On Loans		
i) Employee/Staff	-	-
ii) Others	-	-
d) Interest on Debtors and Other Receivables	-	-
<b>TOTAL</b>	<b>61,645,394</b>	<b>82,028,732</b>

<b>SCHEDULE 18 - OTHER INCOME</b>	<b>Current Year</b>	<b>Previous Year</b>
a) Miscellaneous Income		
i) Application Fees for Recruitment	737,200	230,333
ii) License Fees for Staff Quarters	1,523,795	1,684,520
iii) Deferred income for depreciable fixed assets	356,544,661	294,565,648
iv) Other receipts	1,402,899	1,152,388
<b>TOTAL</b>	<b>360,208,555</b>	<b>297,632,889</b>

<b>SCHEDULE 19 - INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS</b>	<b>Current Year</b>	<b>Previous Year</b>
a) Closing Stock		
i) Finished Goods	-	-
ii) Work-in-progress	-	-
b) Less: Opening Stock		
i) Finished Goods	-	-
ii) Work-in-progress	-	-
<b>NET INCREASE / (DECREASE) [a - b]</b>	<b>-</b>	<b>-</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

Ms. Rashmi Tahiliani  
F&CAO

Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020**

(Amount - Rs.)		
<b>SCHEDULE 20 - ESTABLISHMENT EXPENSES</b>	Current Year	Previous Year
a) Salaries and Wages	1,727,564,595	1,236,225,794
b) Allowances	132,257,983	84,976,561
c) Contribution to New Pension Scheme	86,808,927	65,547,193
d) Stipend	36,772,455	32,267,450
e) Outsourcing Agency Expenses		
i) Man power services	289,833,847	263,151,767
ii) Security services	155,776,287	148,754,285
f) Leave Travel Concession	7,266,290	5,971,603
g) Medical Reimbursement Claim	4,949,913	2,883,462
<b>TOTAL</b>	<b>2,441,230,297</b>	<b>1,839,778,115</b>
(Amount - Rs.)		
<b>SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.</b>	Current Year	Previous Year
a) Advertisement Expenses	14,525,744	16,567,148
b) Electricity Expenses	106,983,634	95,803,850
c) Water Charges	1,636,731	1,035,657
d) Bank Charges	74,539	121,633
e) Repairs and Maintenance	136,041,751	108,724,122
f) Departmental Expenses	20,434,250	17,878,500
g) Transport Expenses	28,922,796	18,103,560
h) Postage and Telephone charges	3,138,856	4,243,370
i) Printing and Stationery	11,854,973	10,811,536
j) Lab & Consumable exp.	90,664,284	61,085,026
k) Registration and Membership fees	10,970,827	5,527,577
l) Travelling Allowance	39,583,589	28,899,869
m) Office Expenses	15,123,526	16,141,148
n) Recruitment Exp.	28,205,866	25,416,086
o) Chemicals & Consumable for OPD & IPD	370,512,825	111,533,146
p) Medicine Exp.	109,646,906	55,569,631
q) Audit Fee	223,645	210,345
r) Washing and Cleaning Expenses	12,128,473	9,198,929
s) Examiners Remuneration & Honorarium	2,169,000	1,470,700
t) Hospital Support Services	167,374,370	162,384,188
u) NHM Expenses	14,193,585	-
v) Housekeeping & Cleaning	130,698,031	131,297,513
w) Intramural Research Expenditure	14,888,600	-
<b>TOTAL</b>	<b>1,329,996,801</b>	<b>882,023,535</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
Ms. Rashmi Tahillani  
F&CAO


  
Dr. Sanjeev Misra  
Director

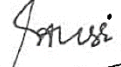
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2020

SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.	(Amount - Rs.)	
	Current Year	Previous Year
a) Grants given to Institutions / Organisations	-	-
b) Subsidies given to Institutions / Organisations	-	-
<b>TOTAL</b>	-	-
<b>Note</b> :- Name of the Entities, their Activities along with the amount of Grants / Subsidies are to be disclosed		
SCHEDULE 23 - INTEREST	(Amount - Rs.)	
	Current Year	Previous Year
a) On Fixed Loans	-	-
b) On Other Loans (including Bank Charges)	-	-
c) Others (specify)	-	-
<b>TOTAL</b>	-	-

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
Ms. Rashmi Tahiliani  
F&CAO


  
Dr. Sanjeev Misra  
Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2020****SCHEDULE 24- SIGNIFICANT ACCOUNTING POLICIES**

1. **ACCOUNTING CONVENTION**  
1.1 The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.
2. **Inventory Valuation**  
2.1 Stores are physically verified by the Medical Superintendent office and valued at cost. Stores includes Medicines, Consumables, Chemicals, Kits, Glassware and plastic items.  
2.2 Stores consists of goods used in Hospital section only.
3. **GRANTS/SUBSIDIES**  
3.1 Grant-in-aid is received from Ministry of Health and Family Welfare Govt. of India (PMSSY/Scheme)/ Hospital- II Section  
3.2 Grant/Subsidies includes Grant-in-aid (General head), Grant-in-aid (Salary head), Grant-in-aid (Creation of Capital Assets) & Under SAP.  
3.3 Capital grant is transfer to Earmarked funds to the extent fixed assets have been created.  
3.4 Grants from the Central Government are accounted for on realization basis for the financial year 2019-20  
3.5 Grant of Rs. 1,54Crore received from the Government of Rajasthan under Nation Health Mission  
3.6 Unspent Grants have been transferred to Current Liabilities and shown as unspent grant payable to Central Government at the end of financial year 2019-20.
4. **FIXED ASSETS**  
4.1 Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties, taxes and other incidental and direct expenses incurred in connection with the acquisition of assets. Fixed Assets are capitalised with the value of its acquisition cost.  
4.2 Assets created out of the Earmarked Funds, where the ownership of such assets vests with the institute, are shown as Fixed Assets of the Institute.  
4.3 Equipments which were procured by HLL LifeCare Ltd. (PSA of MoHFW) and supplied to the institute have been included in the books of the institute in current financial year on the basis of Final Acceptance Certificate (FAC) Installation reports after making appropriate adjustments for depreciation. Equipment for which only CRC is issued and FAC Installation report is not issued till 31.03.2020 have been taken to Capital Work in Progress.  
4.4 Work executive through CPWD has been capitalised on the basis of Utilization certificate received from CPWD. Works which are completed but U.C. is not received, have been considered as WIP and shall be capitalised on the receipts of U.C. and final settlement from CPWD.  
4.5 Amount paid to CPWD for any project work is shown as WIP and it is reversed as advances to CPWD upto extent of work not completed at the end of F.Y.
5. **DEPRECIATION**  
5.1 Depreciation is provided on written-down value method as per rates specified in the Income Tax Act, 1961.  
5.2 In respect of additions to / deductions from fixed assets, during the year, depreciation is charged @100% of the rate prescribed if an asset is installed on or before 30th September and 50% of the prescribed rate if an asset is installed after 30th September.  
5.3 Depreciation of Rs. 1,43,25,753 has been charged on Procurement made by AIIMS, Jodhpur on direct procurement through PSA i.e. M/s HITES Ltd during the F.Y. 2019-20  
5.4 Depreciation of Rs. 36,83,17,96 has been charged for equipment supplied to the institute by the HLL life care (PSA of MoHFW) during the F.Y. 2019-20  
5.5 CT simulator & Cardiac monitor has been installed in the year 2018-2019 however installation report has been received after the finalization of accounts of the year 2018-19 Hence depreciation has been charged on these equipments for the year 2018-19 & 2019-20  
5.6 Assets costing Rs 5,000/- or less have been written off during the year.
6. **FOREIGN CURRENCY TRANSACTION**  
6.1 Transaction denominated in foreign currency are accounted at the exchange rate prevailing at the date of transaction.  
6.2 There have been foreign currency transaction of Rs. 8.52 Crore (Approx) Crore in financial year 2019-20.
7. **REVENUE RECOGNITION**  
7.1 Revenue includes fees collected from students, amount received from patients for registration, OPD ticket & testing charges and other miscellaneous receipts. Fee received from students is accounted for in the financial year in which it is received since the academic year of the institute is not co-terminus with financial year of the Institute.

For and on behalf of All India Institute of Medical Sciences, Jodhpur


  
 Ms. Rashmi Tahilani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2020****SCHEDULE 25 - CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS**

1. **CONTINGENT LIABILITIES**
  - 1.1 Amount outstanding against Letter of Credit at the end of year was worth Rs.4.86 Crore (approx) bills were pending for payment approval.
2. **CURRENT ASSETS, LOANS AND ADVANCES**
  - 2.1 The current assets, loans and advances have a value on realisation in the ordinary course of business equal to the aggregate amount shown in the Balance Sheet.
  - 2.2 An advance of Rs.46.80 crore have been given to HLL Lifecare Ltd. (PSA of MoHFW) and M/s HITES Ltd. towards the Direct procurement & supply of various medical equipments
  - 2.3 Advances are given to vendor against Opening of Credit, Custom duty payment and LC charges.
  - 2.4 Advances have been given to Research, Call to carry out intramural research projects of faculty & PG Thesis.
  - 2.5 Advances include Security Deposit with Jodhpur Vidhyut Vitran Nigam Limited.
  - 2.6 "Income accrued" includes interest income accrued on Fixed Deposit Receipts made with Bank of Baroda, Jodhpur.
  - 2.7 A deposit of principal amount of Rs. 16.54 crore against arbitral award has been made with the Registrar General of High Court, New Delhi in the matter of M/s Mathur & Kapre Associate Pvt Ltd Vs Union of India.
  - 2.8 Prepaid expenses relates to Telephone expenses.
3. **TAXATION**
  - 3.1 The Institute is exempt u/s 10(23C)(ii)(a) of the Income Tax Act, 1961. Therefore, no provision for taxation is required.
4. **FEES / SUBSCRIPTIONS**
  - 4.1 Fees includes academic fees charged from students of MBBS, B. Sc Nursing, Fees for PG Course and Fees for DM course/ PDC/ fess for M.Sc. Nursing.
5. **INTEREST EARNED**
  - 5.1 Interest earned includes gross interest earned on funds kept in the Current Premium Account and Fixed Deposits Receipt with Bank of Baroda, Bsnri, Jodhpur during the year. Since AIIMS Jodhpur is exempt under income tax, there is no TDS deduction on interest earned.
  - 5.2 Interest income transfer to liability as per GFR 2017 rule 230 (B).
6. **OTHER INCOME**
  - 6.1 Other receipts includes ATM rent received from banks to our account and other miscellaneous income.
  - 6.2 "Deferred income for depreciable fixed assets" is the depreciation amount charged on fixed assets.
7. **CURRENT LIABILITIES**
  - 7.1 Current liabilities include funds received from Chief Minister Officer/Prime Minister Office for treatment of patients and Other Government offices.
  - 7.2 No provision has been made for Pensionary Benefits and Earned Leave Encashment. The liability for these will be accounted for on payment basis as and when it arises.
  - 7.3 Recruitment money shown in sch-7 relates to Recruitments of various Faculty & Non faculty posts are under process. It shall be transfer to Income & Expenditure account after the completion of Recruitments. Application money is accounted on the basis of total receipts less expenditure towards the Recruitments.
8. The value of building has not been accounted for in books of accounts of the Institute for which the payments has been made by MoHFW directly. However, as per MoHFW direction, part payment for construction of building has been made during the year by the Institute, which has been shown as Capital Work-in-Progress.
9. Figures have been rounded off to the nearest rupee and previous year's figures have been re-grouped and re-arranged wherever considered necessary to make them comparable with the current year's figure.
10. Inteamural Research Expenses has been booked on the basis of U.C. received from Research Section.
11. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet and the Income and Expenditure Account for the year ended 31st MARCH 2020.

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
 Ms. Rashmi Tahiliani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director




**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**REGIONAL LEVEL VIRAL RESEARCH AND DIAGNOSTIC LABORATORY (VRDL)**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD OF 01-04-2018 TO 31-03-2020**

		(Amount - Rs.)			
RECEIPTS	Current Year	Previous Year	PAYMENTS	Current year	Previous year
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash in hand	-	-	a) Establishment Expenses	5633389	
b) Bank Balances	-	-	b) Administrative Expenses	4752574	
<b>II. Grants in Aid Received</b>			<b>II. Investments and deposits made</b>		
a) From Government of India	87500000		Fixed Deposit	-	
<b>III. Interest Received</b>			(Investments - others)		
a) On Bank Deposits	662489		<b>III. Expenditure on Fixed Assets</b>		
<b>IV. Other Income (Specify)</b>			Purchase of Fixed Assets	12074825	
<b>V. Amount Borrowed/ Advance</b>			<b>IV. Advances</b>		
<b>VI. Any other receipts</b>			a) Loans & Advances		
a) Misc Receipts	25,000		b) Sundry Debtors		
			<b>V. Other Payments (Specify)</b>		
			a) Sundry Creditors		
			b) Duties & Taxes		
			c) Others		
			<b>VI. Closing Balances</b>		
			a) Cash in hand	65,726,701	
			b) Bank Balances		
<b>TOTAL</b>	<b>88,187,489</b>	<b>-</b>	<b>TOTAL</b>	<b>88,187,489</b>	<b>-</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
 Dr Vijaya Laxmi Nag  
 Principal Investigator

  
 Ms. Rashmi Tahiliani  
 F&CAO

  
 Dr. Sanjeev Misra  
 Director

# AIIMS in News





# गणतंत्र दिवस की पूर्व संध्या पर... आधुनिक मेडिकल तंत्र 'एम्स' ने पाया दूसरा माइल स्टोन एम्स ने देश के सबसे कम उम्र 6 दिन के हार्ट-लिवर से जुड़े जुड़वां बच्चे अलग किए

बाली के बेबीज ऑफ ममता का एम्स ने निशुल्क किया ऑपरेशन

हेल्य रिपोर्टर | जोधपुर

हार्ट और लिवर से जुड़े बेबी ऑफ ममता के छह दिन के बच्चों को एम्स जोधपुर में शनिवार को सफलतापूर्वक अलग कर दिया। यह सर्जरी एम्स की दूसरी माइलस्टोन है। देश में इस तरह का यह पहला ऑपरेशन है, जिसमें छह दिन के जुड़वां बच्चों को अलग किया गया है। एम्स प्रशासन ने इस सर्जरी का निर्णय आपातकालीन स्थिति में लिया, क्योंकि एक बच्चे के गेस्ट्रोइंटेस्ट्रॉनल में ब्लड का रिसाव शुरू हो गया था। इसके अलावा बच्चों में हार्ट और फेफड़े सहित अन्य बीमारी भी थीं। वे सांस नहीं ले पा रहे थे। बच्चों की जांच में पाया गया था कि लिवर के साथ सिंगल पेरिकाडियल थैली में दो अलग-अलग दिल हैं। एम्स अधीक्षक व शिशुरोग सर्जन डॉ. अरविंद सिन्हा ने बताया कि शुक्रवार देर रात को जुड़वां बच्चों में से एक की तबीयत ज्यादा खराब हो गई थी। उसे गेस्ट्रोइंटेस्ट्रॉनल में ब्लड का रिसाव शुरू हो गया था। तब से उस पर नजर रखा जा रही थी। बच्चे कम वजन के होने के चलते खतरा ज्यादा था, इसलिए सुबह ही न्यूनेटल विभाग के डॉक्टरों से ऑपरेशन को लेकर बात की गई। शेष | पेज 16

## इमरजेंसी सर्जरी 3:30 घंटे चली, पूरी जानकारी पढ़ें सिर्फ भास्कर में

**आपात स्थिति इसलिए... शुक्रवार रात 3 बजे एक बच्चे की तबीयत बिगड़ी, खून बहने लगा, जिसे तत्काल रोका। लेकिन स्थिति गंभीर थी। अगर एक बच्चे की मौत हो जाती तो दूसरे को सिर्फ 30 मिनट में अलग करना पड़ता, जो बेहद मुश्किल था।**

- हीमोग्लोबिन 16 पर था, जो ब्लड निकलने से कम हो गया, उसे खून चढ़ाया गया तब लेवल 12 हो गया।
- एक बच्चे का वीपी 70 तो दूसरे का 60 पर था।
- सर्जरी में बच्चों के हार्ट बाहर आ रहे थे। एक के दिल में जाली लगानी पड़ी।
- हार्ट बोट भी दोनों की अलग-अलग थी तो मॉनीटरिंग भी अलग ही करनी पड़ी।
- एक की रिक्त कम पड़ी तो मेश (जाली) लगाई। फिलहाल पेट का हिस्सा इसी से पैक है।



ऑपरेशन से पहले



सफल सर्जरी के बाद बच्चे

## तबीयत बिगड़ने से लेकर सफलता तक के 16 घंटों का पूरा ब्यौरा

### दो टीम बनाकर किया ऑपरेशन

ऑपरेशन का निर्णय लेते ही शिशु सर्जन, एनेस्थीसिया, नर्सिंग स्टाफ की दो टीम बनाई गई, जो अलग-अलग दोनों बच्चों को देखेगी। इतने छोटे जुड़वां बच्चों में एनेस्थीसिया देना और लिवर व हार्ट को अलग करना सबसे बड़ी चुनौती थी।

**देर रात 3 बजे** दोनों बच्चों में से एक की तबीयत खराब होने के चलते रात को ही डॉक्टर बच्चों को देखने पहुंचे। इसके बाद एक बच्चे का काफी खून निकल गया था। खून रोक सर्जरी की तैयारियां शुरू कीं। **दोपहर 2:00 बजे** बच्चों को ओटी में शिफ्ट किया गया। एक बच्चे के सांस की ट्यूब पहले से लगी हुई थी दूसरे के डालने की प्रक्रिया शुरू हुई। **2:30 बजे** बच्चों को वेंटीलेटर सपोर्ट दिया गया। एनेस्थीसिया के साथ ही कैथेटर, दोनों को आईवी और यूरिन कैथेटर में डाला गया। **3:30 बजे** दोनों बच्चों का पेट खोला गया। लिवर का ऑपरेशन शुरू हुआ।

**राम 4:45 बजे** दोनों के लिवर अलग कर दिए गए। **5:10 बजे** हार्ट को झिल्ली को अलग कर रिक्तस्टन्ट किया। **5:30 बजे** दोनों बच्चे अलग हो गए। इसके बाद टीम ए व टीम बी के रूप में अलग हुईं। **6:00 बजे** बच्चों को अलग-अलग ओटी टेबल पर ले जाया गया। क्लोजर का काम शुरू किया गया। **6:30 बजे** खुले हिस्सों को बंद करने का काम शुरू। **7:00 बजे** डॉक्टरों बाहर आए, कहा- सर्जरी डना।

## सबकी भूमिका तय की



डॉ. अरविंद सिन्हा के नेतृत्व में सर्जरी हुई। इसमें शिशु विभाग के डॉ. मनीष पाठक, डॉ. राहुल सक्सेना, डॉ. कीर्ति राठौड़, डॉ. अविनाश जाधव, डॉ. सुबलक्ष्मी, कार्डियोथोरसिक सर्जन डॉ. सुरेंद्र पटेल और डॉ. मधुसूदन रामिलो थे। एनेस्थीसिया टीम का नेतृत्व प्रो. डॉ. पीके भाटिया ने किया। साथ में डॉ. सादिक, डॉ. अंकुर शर्मा थे। आईसीयू में डॉ. नीरज गुप्ता व टीम बच्चों की देखभाल कर रही है। सफल सर्जरी पर एम्स जोधपुर के निदेशक डॉ. संजीव मिश्रा ने टीम को बधाई दी।

**21 तितंबर 2015**  
**जब जोधपुर एम्स देर में छा गया था**  
एम्स ने अलग हुए बेबीज ऑफ ममता को सफलतापूर्वक अलग कर दिया। यह सर्जरी एम्स की दूसरी माइलस्टोन है। देश में इस तरह का यह पहला ऑपरेशन है, जिसमें छह दिन के जुड़वां बच्चों को अलग किया गया है। एम्स प्रशासन ने इस सर्जरी का निर्णय आपातकालीन स्थिति में लिया, क्योंकि एक बच्चे के गेस्ट्रोइंटेस्ट्रॉनल में ब्लड का रिसाव शुरू हो गया था। इसके अलावा बच्चों में हार्ट और फेफड़े सहित अन्य बीमारी भी थीं। वे सांस नहीं ले पा रहे थे। बच्चों की जांच में पाया गया था कि लिवर के साथ सिंगल पेरिकाडियल थैली में दो अलग-अलग दिल हैं। एम्स अधीक्षक व शिशुरोग सर्जन डॉ. अरविंद सिन्हा ने बताया कि शुक्रवार देर रात को जुड़वां बच्चों में से एक की तबीयत ज्यादा खराब हो गई थी। उसे गेस्ट्रोइंटेस्ट्रॉनल में ब्लड का रिसाव शुरू हो गया था। तब से उस पर नजर रखा जा रही थी। बच्चे कम वजन के होने के चलते खतरा ज्यादा था, इसलिए सुबह ही न्यूनेटल विभाग के डॉक्टरों से ऑपरेशन को लेकर बात की गई। शेष | पेज 16

## मंडे पोजिटिव • सुधरे बचपन इसलिए मेडिकल की पढ़ाई में व्यस्त एम्स स्टूडेंट्स समय निकाल रहे, गरीब बच्चों की पढ़ाई में आर्थिक मदद के लिए फंड भी जुटा रहे एम्स के 100 स्टूडेंट्स की टीम बस्ती में जाकर बच्चों को पढ़ा रही, 12 बच्चों का एडमिशन भी कराया

मनीष कुमार पुरीवाल | जोधपुर

पूजा अपने पापा-मम्मी के साथ कामज बनीने जाती थी। उसने और उसके भाता-भिता ने कभी पढ़ाई के बारे में सोचा ही नहीं था, लेकिन अब वह रोज स्कूल जाती है और कक्षा तीसरी में पढ़ रही है। इसी तरह आठ साल का अंशुल कभी पित्त के साथ लौलरा का काम करता था। अब कक्षा चार में पढ़ रहा है। ऐसे 12 बच्चे अब स्कूल जा रहे हैं और डॉक्टर बच्चे का सारा खर्च कर रहे हैं। यह कर्मचारी, जोधपुर एम्स के कुछ स्टूडेंट्स की मदद से। उनके धुन ने बच्चों को स्कूल भेजने के साथ इन्होंने शिक्षा का हिस्सा भी उठाया। ये बच्चे जोधपुर एम्स की दीवार के किनारे बने बस्ती बस्ती में रहते हैं। एम्स स्टूडेंट्स इस बस्ती में रहने वाले बच्चों को रोज शाम को न केवल पढ़ाने पहुंच जाते हैं, बल्कि इनकी पढ़ाई के लिए फंड भी मुहैया कराते हैं। स्टूडेंट्स की टीम में यश आगलत, यशवीर, हिमांशु, मंजू, आशागत, पंकजा व तुषी के अलावा करीब 100 स्टूडेंट्स हैं।



पढ़ाने का इच्छुटी बंद- स्टूडेंट्स ने एक ड्यूटी चार्ज बनाया है। उन्हे के हिसाब से बारी-बारी गान चार से छह बजे तक बस्ती में पढ़ाते हैं। एक टीम स्कूल जाकर बच्चों की पढ़ाई की प्रतिबंधितियां पता करती रहती है। इनका कडना है, आरामय में अन्य बच्चे संसाधनों की कमी से पढ़ाई से वंचित है तो वे उनका भी विन्या उठाएंगे।

### दो स्टूडेंट्स ने की थी शुरुआत, स्टाफ भी साथ आया

एम्स की दीवार के सहारे बसी इस बस्ती में करीब दो साल पहले एम्स स्टूडेंट डॉ. यश आगलत व यशवीर गए। उन्होंने बच्चों और इनके परिवारों से मुलाक़ात की और पूछा- क्या वे अपने बच्चों को स्कूल नहीं भेजते। उन्होंने कडा- हम खुद पूछे-लिखे नहीं हैं और इतने पैसे भी नहीं हैं। वहां खेल रहे बच्चों को देख उन्होंने तय किया कि वे उनकी शिक्षा की जिम्मेदारी उठाएंगे। फिर उन्होंने अपने टीचर्स से चर्चा की और अपने साथियों व जूनियर्स को भी जोड़ना शुरू किया तो करीब 100 लोगों की टीम बन गई। टीम अब इन बच्चों को पढ़ाने का काम करती है। ये सभी फंड भी एकत्र करते हैं। इन बच्चों को पढ़ाने के लिए न केवल एम्स के स्टूडेंट्स बल्कि यहां के डॉक्टरों व स्टाफ भी सपोर्ट करते लगे हैं।

### योग्यता परीक्षा के आधार पर मिला कक्षा में प्रवेश

एम्स स्टूडेंट्स ने शुरुआती शिक्षा देने के बाद इन स्टूडेंट्स का सक्सेसफुल स्कूल में प्रवेश कराया। बच्चों की परीक्षा ली गई और उनकी योग्यता के आधार पर उन्हें प्रवेश दिया गया। इन बस्ती में रहने वाले अंशुल, अंकुर, रौशन और यशुल कक्षा चार में तो, प्रभा, मुकेश, सुभन, कमलेश, गायसाद व राधा कक्षा तीस में पढ़ रहे हैं। ये बच्चे आगे चल कर केंद्र आगलत के नवोदय शिक्षा समिति की ओर से आयोजित अकादमिक नवोदय विद्यालय प्रवेश टेस्ट भी देंगे।

## एम्स में न्यूक्लियर मेडिसिन विभाग शुरू बाजार दर से 80-90% सस्ती होगी कैंसर, हृदय और फेफड़े की जांच



एम्स में स्पेक्ट सीटी गामा कैमरा और पेट स्कैन मशीन लगाई गई।

राजस्थान में सरकारी चिकित्सा संस्थान में केवल एम्स में न्यूक्लियर मेडिसिन विभाग

हेल्थ रिपोर्टर | जोधपुर

अब हमें कैंसर, हृदय, मस्तिष्क, फेफड़े, थायराइड की जांच के लिए दूसरे राज्य में नहीं जाना होगा। इसके लिए प्रदेश में मेडिकल सुविधा में सबसे आधुनिक एम्स ने गणतंत्र दिवस पर न्यूक्लियर मेडिसिन विभाग की शुरुआत की है। इन सभी बीमारियों की जांच में सबसे कारगर स्कैनिंग के लिए स्पेक्ट सीटी गामा कैमरा और पेट स्कैन लगाया गया है। हालांकि अभी गामा कैमरा ही शुरू किया है। राजस्थान में किसी सरकारी चिकित्सा संस्थान में यह विभाग केवल एम्स में शुरू हुआ है। बाजार में कैंसर के मरीज इस जांच के लिए 50 हजार से एक लाख रुपए तक खर्च कर रहे हैं, लेकिन अब उन्हें न तो शहर से बाहर जाने की जरूरत होगी और न ही इतना खर्च करना होगा। एम्स में यह जांच 80-90 प्रतिशत तक सस्ती होगी। गणतंत्र दिवस पर एम्स डायरेक्टर डॉ. संजीव मिश्रा ने रेडियोलॉजी ब्लॉक में लगी स्पेक्ट सीटी गामा कैमरा मशीन का उद्घाटन किया। दो महीने में पेट स्कैन मशीन भी शुरू हो जाएगी।

**इनमें अधिक प्रभावी:** कैंसर, हृदय, मस्तिष्क, फेफड़े, थायराइड, किडनी, अपटेक स्कैन और बोन स्कैन किए जाते हैं। अन्य रोगों का इलाज भी न्यूक्लियर मेडिसिन द्वारा किया जाता है। थायराइड में आई खराबी और हड्डी में लगातार हो रहे दर्द का इलाज भी इस तकनीक से होता है।

जोधपुर एम्स का द्वितीय दीक्षांत समारोह

### न्यूक्लियर मेडिसिन तकनीक सुरक्षित और दर्द रहित

न्यूक्लियर मेडिसिन विभागाध्यक्ष डॉ. राजेश कुमार ने बताया कि रोगों की किसी भी अवस्था (आरंभिक या गंभीर) में गहन जांच और इलाज किया जा सकता है। कोशिका की फिजियोलॉजी और बायोलॉजी में आ रहे परिवर्तन के आधार पर चिकित्सा की जाती है। न्यूक्लियर मेडिसिन तकनीक सुरक्षित, कम खर्चीली व दर्द रहित है।

### साइड इफेक्ट की संभावना कम

किसी भी रोग की सीटी स्कैन, एमआरआई, एक्स-रे आदि से स्कैन करने से प्रभावित अंगों की स्थिति का पता चल पाता है। साथ ही इनकी स्कैनिंग के कुछ साइड इफेक्ट की संभावना होती है। एम्स में लगी अत्याधुनिक स्पेक्ट सीटी गामा कैमरा से जांच में साइड इफेक्ट होने की संभावना भी कम है।

**ऐसे करते हैं जांच:** न्यूक्लियर मेडिसिन में रोगी को इंजेक्शन से बहुत कम मात्रा में रेडिएशन की दवा दी जाती है, जिसे संक्रमित या प्रभावित कोशिका अवशोषित कर लेती है। इससे होने वाले विकिरण को गामा कैमरे में कैद कर रोग की सटीक और विस्तृत जांच की जाती है। अलग फिल्म में प्रभावित अंग की विस्तृत जानकारी मिलती है। रेडिएशन की दवा का प्रयोग इतनी कम मात्रा में किया जाता है कि इससे होने वाले विकिरण का प्रभाव कोशिकाओं पर नहीं पड़ता। डॉ. राजेश ने बताया आगामी माह में पेट स्कैन की मशीन शुरू होते ही कैंसर की पूरी जांच और इलाज मिल सकेगा।

## नए डॉक्टरों को राष्ट्रपति की सीख : परिजन के साथ समाज के प्रति भी आभारी बनें

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जोधपुर, अखिल भारतीय आधुनिक संस्थान (एम्स) के द्वितीय दीक्षांत समारोह से राष्ट्रपति रामनाथ कोविंद ने नए डॉक्टरों से कहा कि ये दिन आपके लिए महत्वपूर्ण हैं, साथ ही आपके परिवार व परिजनों के लिए भी महत्वपूर्ण दिन हैं। जिस तरह चिकित्सक अपने परिजनों के आभारी हैं, उसी तरह अपने शिक्षकों व समाज के प्रति भी आभारी बनें।

राष्ट्रपति कोविंद ने कहा कि अब सुनिश्चित करना होगा कि इस शिक्षा के माध्यम से स्वास्थ्य सेवाओं का विस्तार कर सकें। जहरलमों और दूसरे स्थानों पर रहने वाले लोगों

### डॉक्टरों अपनी राय को हट माह व बीतते साल दोहराएं

केन्द्रीय स्वास्थ्य एवं परिवार कल्याण मंत्री डॉ. हर्षवर्धन ने कहा कि एक अच्छे डॉक्टर होने के लिए कल्याण, अपने कार्य के प्रति कर्तव्य और ईमानदार होना चाहिए। अपने रिकॉर्ड के दौरान हम डिग्रीकेटिक और के बारे में बताया जाता है कि लेकिन हम इसे खर्च नहीं करते हैं। शिक्षकों को इस तक साध पढ़ने। मंच पर राजगाल कलराज मिश्र, मुख्यमंत्री अशोक गहलोत, केन्द्रीय जल शक्ति मंत्री गजेन्द्रसिंह शेखावत, केन्द्रीय स्वास्थ्य एवं परिवार कल्याण मंत्री डॉ. हर्षवर्धन व एम्स जोधपुर अध्यक्ष प्रो. एससी शर्मा थे। विभिन्न आमंत्रित अतिथि सासद पीपी चौधरी, सीपी जोशी, राज्यसभा

संसद नारायणलाल पंचरत्न, रामनारायण डूहे, राज्य जर्ना मंत्री बीडी कल्ला, रजिस्ट्रार मनोज श्रीवास्तव, एम्स अधीक्षक डॉ. अरविंद सिन्हा सहित कई गणमान्य लोग मौजूद थे। कार्यक्रम में निदेशक डॉ. संजीव मिश्रा ने प्रमोति रिपोर्ट पेश की। आधार एकदमिक इंचार्ज डॉ. कुलदीप सिंह ने जताया।



अब नई योजना लागू होगी राजस्थान

मुख्यमंत्री ने कहा कि उनकी सोच है कि राजस्थान को देश के अंतर मेडिकल सेवा में सिरमौर बनाना। नि:शुल्क दवा योजना को डब्ल्यूएचओ ने प्रशंसा की। डॉ. जोषी ने कहा है। अब हम नई योजना निरोगी राजस्थान लागू करेंगे। राजस्थान के हर एक जिले में मेडिकल कॉलेज खोलेंगे।

### जल शक्ति मंत्री शेखावत की बात पर मुख्यमंत्री गहलोत ने किया पलटवार

कार्यक्रम में जलशक्ति मंत्री गजेन्द्रसिंह शेखावत ने कहा कि पूर्व प्रधानमंत्री अटल बिहारी वाजपेयी के समय तय किया गया था कि इस तरह के संस्थान और मंत्री। समय बच में छह नए एम्स खुलने का लक्ष्य है। केन्द्रीय विज्ञान मंत्री दुभाषा स्वराज को पत्र दिखकर सांसद जलसत विरोध ने कहा था

कि छह एम्स में एक एम्स सेरे जोधपुर को मिलेगा क्या? उन्ही का परिधान जोधपुर एम्स है। एम्स जोधपुर की जमीन की कमी को लेकर समस्या हो रही थी। प्रधानमंत्री नरेंद्र मोदी के अशोकसिंह से काजरी ने सहयोग किया। फरवरी से 67 एकड़ जमीन मिली। उसके बाद मुख्यमंत्री अशोक गहलोत ने कहा कि

जल शक्ति मंत्री शेखावत ने टीका कहा कि जब समय काजरी की सरकार थी। शेखावत ब्रह्म गए कि मैं ही उस समय मुख्यमंत्री था। शुभना स्कूल से उन्होंने बातचीत की। एम्स की स्थिति की चर्चा हुई। शेखावत मैंने जलपुर से पीन बरकें जमीन दिखाई। जमीन विवाद के अंतर पास चल करवा हो गए।

### राष्ट्रपति की बेटी हुई नाराज!

राष्ट्रपति के जोधपुर सेरे के दौरान उनकी बेटी भी साथ रही। हाईकोर्ट के नवनिमित्त भवन के उद्घाटन समारोह के बाद राष्ट्रपति का लंच न्यायाधीशों के साथ रखा

गया। जहां राष्ट्रपति के पास उनकी पत्नी और उसके बाद न्यायाधीशों व उनकी परिवारों को दिव्या गया। राष्ट्रपति की पुत्री को प्रोटोकॉल के चलते दूसरी टेबल पर बिठाया

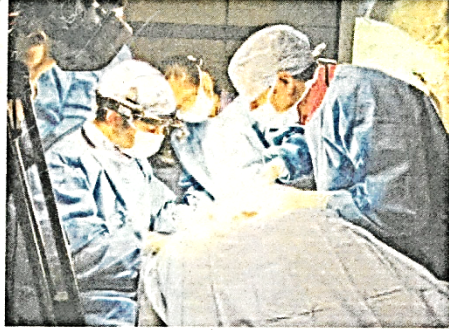
गया। पुत्रों के अनुप्राण इससे नाराज होकर वह किना खाना खार बर्तन से कबो गईं। अधिकारी इस मामले में कुछ भी कहने से बचते रहे।

एमएस के ईएनटी एवं एनोटॉमी विभाग की ओर से कार्यक्रम

# सेफ सर्जरी के तरीके बताए

पत्रिका PLUS रिपोर्टर

जोधपुर • अखिल भारतीय आयुर्विज्ञान संस्थान एमएस के जोधपुर कान, नाक एवं गला रोग विभाग व एनोटॉमी विभाग के संयुक्त तत्वावधान में दो दिवसीय हेड एंड नेक सर्जरी कैंडिडेट्स डिप्लोमा का शुभारंभ शुक्रवार को किया गया। प्रथम दिन वर्कशॉप में देश एवं विदेश से आए 30 से अधिक कान, नाक एवं गला रोग के शल्य चिकित्सकों व प्रशिक्षु चिकित्सकों ने हिस्सा लिया। जिन्हें मरीज की सेफ सर्जरी करने के बारे में विशेषज्ञों ने बताया। साथ ही पैराडिग और थैराप्यूटिक ग्रंथों की शल्य चिकित्सा से जुड़ी बारीकियों के बारे में जानकारी दी गई। इसके लिए एमएस ईएनटी विभाग के सहायक आचार्य डॉ. अरविंद केरो, पीजीआई चंडीगढ़ के डॉ. सोरभ कुमार पात्रो, डॉ. अमित



एमएस में कार्यशाला के दौरान सर्जरी का डेमो दिखाते चिकित्सक

न्युमार, डॉ. गौरव कटारिया, डॉ. डॉक्टरों को (लार-ग्रंथी) एवं विकास देवड़ा सहित एमएस के डॉ. थॉरराइड की शल्य चिकित्सा का मानव शव पर प्रदर्शन करके प्रशिक्षण दिया। इस दौरान प्रशिक्षु

गर्दन के कैंसर की सर्जरी पर प्रशिक्षण आज : विभागाध्यक्ष अमित गायल ने बताया कि वर्तमान में कम उम्र में ही तम्बाकू, गुटके के सेवन के चलते कैंसर के मरीज बढ़ रहे हैं। ऐसे में नए चिकित्सकों को मरीजों की सेफ सर्जरी के बारे में समय-समय पर इस तरह के कार्यक्रमों के माध्यम से प्रशिक्षण दिया जाता है। वर्तमान में विभाग की ओर से नियमित रूप से सिर एवं गर्दन के कैंसर सहित अन्य बीमारियों का सफल इलाज किया जा रहा है। शनिवार को गर्दन के कैंसर की सर्जरी पर प्रशिक्षण दिया जाएगा। इससे पूर्व कार्यशाला के प्रारम्भ में प्रतिभागियों के लिए प्रश्नोत्तरी प्रतियोगिता का आयोजन किया गया। सवालियों के जवाब विशेषज्ञ चिकित्सकों ने दिए। इस अवसर पर एमएस ईएनटी विभाग के डॉ. विक्रम चौधरी, डॉ. कपिल सोनी, एनोटॉमी के डॉ. सुरजीत घटक, डॉ. शिल्पी दीक्षित भी उपस्थित थे।

## जोधपुर एमएस में हुआ दूसरा किडनी ट्रांसप्लांट

जोधपुर @ पत्रिका. अखिल भारतीय आयुर्विज्ञान संस्थान (जोधपुर एमएस) ने शुक्रवार को दूसरा किडनी ट्रांसप्लांट किया गया। संजय गांधी पीजीआई लखनऊ की टीम के सहयोग से किए गए ट्रांसप्लांट के बाद पुरुष मरीज को आइसीयू में रखा गया है। प्राप्त जानकारी अनुसार एमएस प्रशासन मरीज की सिरम क्रिएटिनिन की मात्रा देखने के बाद ही सफल ट्रांसप्लांट की घोषणा करेगा। इस ट्रांसप्लांट में संजय गांधी पीजीआई के यूरोलॉजी विभागाध्यक्ष प्रो. अनिश श्रीवास्तव, सहायक आचार्य उदयप्रतापसिंह, नेफ्रोलॉजी के सह आचार्य डॉ. धर्मेन्द्र भदौरिया, एनेस्थेसिया के अतिरिक्त आचार्य डॉ. संदीप साहू और जोधपुर एमएस के यूरोलॉजी, नेफ्रोलॉजी व एनेस्थेसिया विभाग की टीम ने सहयोग दिया।

## एमएस में राज्य स्तरीय क्रिटिकल केयर कॉन्फ्रेंस शुरू खून पतला करने की नई दवा से बार-बार खून की मॉनिटरिंग करने की जरूरत नहीं : डॉ. गुर्जर

हेल्थ रिपोर्टर | जोधपुर

एसजीपीजीआई लखनऊ के एडिशनल प्रोफेसर डॉ. मोहन गुर्जर ने बताया कि नसों में खून का थक्का बनने, स्ट्रोक के मरीजों व हृदय की बीमारी में नसों में खून का थक्का बनने पर मरीज को खून पतला होने की दवा खानी पड़ती है। इसके चलते डॉक्टर के पास बार-बार चेकअप के लिए आना पड़ता है, जिससे मरीज का समय व पैसा अधिक खर्च होता है। अब नई आई दवाओं में एक नया ग्रुप आ गया है, जिससे डॉक्टर और मरीज दोनों को फायदा हुआ है। इससे मरीज को जांच के लिए बार-बार डॉक्टर के पास नहीं जाना पड़ता और डॉक्टर को भी खून की मॉनिटरिंग नहीं करनी पड़ती है। मरीज को नई दवाओं से ब्लॉडिंग का रिस्क बहुत कम होता है। पहले की दवाओं में खाने-पीने में पेहलियात रखनी पड़ती थी पर अब नई दवाओं से इसमें भी राहत मिली है। वे शनिवार को एमएस में एनेस्थेसिया विभाग की ओर से शुरू हुई दो दिवसीय राज्य स्तरीय क्रिटिकल केयर कॉन्फ्रेंस में बोल रहे थे। उन्होंने बताया कि एसजीपीजीआई लखनऊ में पहला क्रिटिकल केयर डिपार्टमेंट पब्लिक सेंटर में खोला गया।

• वेंटिलेटर पर होने पर भी यदि बेड या बेड के बाहर मरीज का मूवमेंट कराएँ तो ज्यादा फायदा : डॉ. जद

जयपुर मोर्टिस से आए डॉ. शबर जद ने बताया कि मरीज की सांस लेने में रुकावट या बंद होने, शरीर में ऑक्सीजन की कमी और कार्बनडाइ ऑक्साइड की मात्रा अधिक होने जैसी कई गंभीर स्थिति में मरीज को आइसीयू में वेंटिलेटर पर लिया जाता है। वर्तमान में डॉक्टर और मरीज के परिजन सभी को यही लगता है कि वेंटिलेटर पर है तो मरीज को कुछ नहीं करना चाहिए, लेकिन यह गलत है। वेंटिलेटर पर होने के बाद भी यदि मरीज को स्टेबल होने के बाद बेड पर या बेड के बाहर मूवमेंट कराया जाए तो ज्यादा फायदा होता है। उनका कहना है कि नए वेंटिलेटर में तो वेंटिलेटर के साथ मूल भी किया जा सकता है, लेकिन ज्यादातर अस्पतालों में इसे नहीं किया जाता है। इसके साइड इफेक्ट भी कम होते हैं।

• निजी और सरकारी अस्पताल में आईसीयू चलाना चुनौती : डॉ. रूंगटा

जयपुर से आए डॉ. नरेंद्र रूंगटा ने बताया कि निजी और सरकारी अस्पताल में आईसीयू चलाना एक चुनौती है। सरकार द्वारा मरीजों के लिए योजनाएं चलाई जा रही हैं जैसे आयुष्मान भारत और भाग्यशाह योजना। लेकिन इन योजनाओं में सरकार द्वारा दी जा रही राशि बहुत कम है। इन योजनाओं में इतनी कम राशि में क्वालिटी केयर देना एक ग्राइवेट अस्पताल के लिए चुनौती है। हाल यह है कि बीमा कंपनी भी समय पर क्लेम का भुगतान नहीं करती, जिससे ग्राइवेट सेंटर में अस्पताल चलाना सबसे बड़ी चुनौती होती है। उन्होंने बताया कि आईसीयू में दी जाने वाली केयर की 70 प्रतिशत कॉस्ट फिक्स्ड होती है। बाकी 30 प्रतिशत कॉस्ट काम में आने वाली ड्रग और मेडिसिन से इस्तेमाल से कम होती है। आयोजन समिति के अध्यक्ष डॉ. प्रदीप भाटिया ने बताया कि कॉन्फ्रेंस की थीम डिसाइफर द मिश्रा रखी गई है। इसमें करीब 125 डेलिगेट्स भाग ले रहे हैं। इसमें दूसरे दिन दो वर्कशॉप का आयोजन होगा।

## एमएस जोधपुर का पहला लिटररी फेस्ट 9 से

जोधपुर . ऑल इंडिया इंस्टीट्यूट ऑफ मेडिकल साइंस (एमएस) जोधपुर के लिटररी क्लब अभिव्यक्ति की ओर से 9 और 10 नवंबर को लिटररी फेस्ट 'लिटरैचर-2019' आयोजित किया जा रहा है। एमएस जोधपुर का यह पहला लिटररी फेस्ट है। इसमें एमएस सहित शहर के अन्य कॉलेजों के स्टूडेंट्स भी पार्टिसिपेट करेंगे। लिटररी सेक्टरों उदित पाटनी ने बताया कि फेस्ट में इंटर कॉलेज डिबेट कॉम्पिटिशन- क्रॉसफायर, क्विज कॉम्पिटिशन, स्पेल बी, क्रिएटिव राइटिंग और इंपल्स राइटिंग कॉम्पिटिशन के साथ ही ओपन माइक इवेंट- अल्फाज 2.0 भी होगा। पहले दिन डिबेट क्रॉसफायर का प्रिलिम्स होगा जिसका टॉपिक होगा- 'ओवर प्रोटेक्शन ऑफ गैल्स प्रोडिग्योस देम इज क्लेरिबिलिटी'। फाइनल का टॉपिक 'डेवलपमेंट ऑफ आर्टिफिशियल इंटेलिजेंस इज ए थेट टू मैनुफैक्चर्ड' रहेगा।

## गोरखपुर एमएस में जोधपुर एमएस की टीम ने डेढ़ साल में शुरू किया एमबीबीएस का फर्स्ट बैच



जोधपुर | अखिल भारतीय आयुर्विज्ञान संस्थान (एमएस) जोधपुर की टीम ने गोरखपुर में महज डेढ़ साल में ही खुद के भवन में एमबीबीएस का पहला बैच शुरू कर दिया। गोरखपुर में 2018 की शुरुआत में एमएस का काम शुरू हुआ था। इसके बाद 24 फरवरी 2019 को एमएस की ओपीडी आमजन के लिए शुरू की गई। एमएस जोधपुर के डिप्टी डायरेक्टर एनआर विस्नोई ने बताया कि पहला बैच 50 स्टूडेंट्स के साथ शुरू किया है। दूसरे इंस्टीट्यूट बैच स्टार्ट करने के लिए किराए के भवन या अन्य किसी भवन में कॉलेज शुरू करते हैं, लेकिन हमने ऐसा नहीं किया। हमने कैम्पस में ही बैच स्टार्ट किया। स्टूडेंट्स को मुफ्त किताने भी दी गई। एमएस जोधपुर फिलहाल गोरखपुर और राजकोट एमएस को मैमोर है। इससे पहले कुछ समय तक एमएस जोधपुर के साथ त्रिभुवन एमएस के भी मैमोर रहे हैं। मुख्य डायरेक्टर डॉ. संजीव मिश्रा, बीआरडी मेडिकल कॉलेज के प्राचार्य डॉ. गणेश कुमार, गोरखपुर मंडल के आयुक्त जयंत नारलीकर के साथ एमएस जोधपुर के डॉ. एकेडमिक डॉ. कुलदीप सिंह, रिसर्च डीन डॉ. प्रवीण शर्मा, एनाटॉमी विभागाध्यक्ष डॉ. सुरजीत घटक मौजूद थे।

**भास्कर खास • 1.5 करोड़ की लागत से बनेगी, केंद्रीय चिकित्सा मंत्री आज दिल्ली में करेंगे घोषणा**

## एम्स में बनेगी राजस्थान की पहली जेनेटिक डिसऑर्डर लैब, यहां आनुवांशिक बीमारियों का निदान हो सकेगा

हेल्थ रिपोर्टर | जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में 1.5 करोड़ की लागत से जेनेटिक डिसऑर्डर लैब बनेगी। इस लैब के लिए केंद्रीय स्वास्थ्य विभाग से अनुमति मिल गई है। इसकी घोषणा सोमवार को दिल्ली स्थित लेडी हार्डिंग मेडिकल कॉलेज में आयोजित कार्यक्रम में केंद्रीय चिकित्सा एवं स्वास्थ्य मंत्री डॉ. हर्षवर्धन करेंगे। एम्स की ओर से डायरेक्टर समेत डीन एकेडमिक कार्यक्रम में भाग लेने दिल्ली जाएंगे। एम्स जोधपुर निजाम इंस्टीट्यूट ऑफ मेडिकल साइंस हैदराबाद, दिल्ली स्थित आर्मी हॉस्पिटल और लेडी हार्डिंग हॉस्पिटल में भी निदान लैब शुरू की जाएगी। पूर्व में जहां यह निदान लैब है, उन्हें प्रशिक्षण केंद्र बनाया गया है। इसमें एसजीपीजीआई

लखनऊ, एम्स दिल्ली, सीएमसी वेल्लोर, मौलाना आजाद मेडिकल कॉलेज, मद्रास मेडिकल कॉलेज शामिल हैं। एम्स के एकेडमिक डीन डॉ. कुलदीप सिंह ने बताया कि केंद्र सरकार ने तीन राज्यों में 4 नए जेनेटिक डिसऑर्डर निदान सेंटर खोले हैं। इनमें एम्स जोधपुर भी शामिल है। करीब 1.5 करोड़ की लागत से लैब बनेगी। पहले फेज में हमें उपकरण, मैनपावर आदि स्थापित करने हैं। यहां से ट्रेनिंग के लिए डॉक्टर, रेजिडेंट्स आदि जाएंगे। गौरतलब है कि विश्व स्वास्थ्य संगठन (डब्ल्यूएचओ) की एक रिपोर्ट के मुताबिक प्रति एक हजार में से दस बच्चे किसी न किसी जेनेटिक डिसऑर्डर के साथ पैदा होते हैं। इस बारे में हुई एक रिसर्च में कहा गया है कि 138 में 6 फीसदी जोड़ों के बच्चे किसी न किसी किस्म के जेनेटिक डिसऑर्डर से पीड़ित हैं।

### डॉ. एसएन मेडिकल कॉलेज में भी हुआ था एमओयू

शहर में आनुवांशिक बीमारियों की जांच की सुविधा के लिए डॉ. एसएन मेडिकल कॉलेज में क्षेत्रीय आनुवांशिक अनुसंधान प्रयोगशाला खोलने का निर्णय लिया गया था। इसके लिए मेडिकल कॉलेज और सीएसआईआर दिल्ली के बीच एमओयू भी साइन हुआ था। इसमें अहम भूमिका आनुवांशिक बीमारी पर शोध कर रहे डॉ. मनीष पारख की थी। डॉ. पारख ने बताया कि रिसर्च लैब स्थापित करने के लिए जयनारायण व्यास यूनिवर्सिटी के बांटेनी विभाग के प्रोफेसर प्रवीण गहलोत और असिस्टेंट प्रोफेसर कल्पेश टाक ने सहयोग देने के लिए स्वीकृति दी है। दोनों संस्थान को पश्चिमी राजस्थान में जन्मजात बीमारियों के आनुवांशिक निदान कर इलाज के लिए मिलकर शोध एवं एजुकेशन पर काम करना था। इसके लिए यहां लैब भी स्थापित की गई।

एम्स में स्ट्रेस मैनेजमेंट पर आयोजित व्याख्यान में बोले विशेषज्ञ

## मरीज की जगह खुद को रखकर भी देखें

पत्रिका न्यूज़ नेटवर्क  
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जोधपुर. कई बार मरीज अपनी समस्या लेकर चिकित्सक के पास आता है, चिकित्सक यह कहते हैं मेरी ओपीडी का समय पूरा हो गया है अब मैं इसे नहीं देखूंगा। यदि इस तरह की परिस्थिति आती है तो बजाय गुस्सा करने, किसी भी प्रकार का स्ट्रेस माइंड में लेने के, चिकित्सक स्वयं को मरीज की जगह पर रख कर देखें। मरीज की मजबूरी को जानने की कोशिश करें। इससे विषयों को समझने में आसानी रहेगी। यह बात अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) के सभागार में हुए कार्यक्रम में डॉ. अशोक वाण्ये ने कही। वे आरोग्य भारती व एम्स के तत्वावधान में आयोजित स्ट्रेस मैनेजमेंट कार्यक्रम में बतौर मुख्य अतिथि बोल रहे थे। उन्होंने एम्स के चिकित्सकों व स्टूडेंट्स को टाइम मैनेजमेंट, स्ट्रेस से बचने के तरीके



बताए। साथ ही हैल्दी फूड का यूज करने, स्वयं को फिट एवं एनर्जेटिक रखने पर भी समझाया। कहा कि वर्तमान में कई बार शरीर की क्षमताओं से ज्यादा काम करने से तनाव बढ़ता है। इसलिए कार्य के बीच-बीच में आराम भी करते रहें। इससे लाइफ में स्ट्रेस नहीं रहेगा। वर्क करने में मजा आएगा।

### ये रहे उपस्थित

कार्यक्रम में एम्स के एकेडमिक डीन कुलदीप सिंह ने गेस्ट का परिचय करवाया। इस दौरान आरोग्य भारती के लक्ष्मण भाई,

एम्स के उपनिवेशक एनआर विश्वाजी, नर्सिंग अधीक्षक अशोक विश्वाजी, हृदय रोग विभाग से डॉ. सुरेंद्र देवड़ा, मनोचिकित्सक डॉ. नरेश नेभीनानी, डॉ. प्रदीप भाटिया, प्लमनरी मेडिसिन के डॉ. निशांत चौहान सहित कई चिकित्सक उपस्थित रहे। एम्स डायरेक्टर डॉ. संजीव मिश्रा ने धन्यवाद ज्ञापित करते हुए कहा कि इस तरह के कार्यक्रमों से स्टूडेंट व चिकित्सकों को बहुत कुछ सीखने को मिलता है। संचालन डॉ. अभिषेक भारद्वाज ने किया।

## जोधपुर में मिड टेक पार्क डेवलप पर फोकस हो : चौधरी

एम्स का सातवां वार्षिकोत्सव आयोजित

जोधपुर। एम्स का सातवां वार्षिकोत्सव रविवार को आयोजित हुआ। इस मौके पर मुख्य अतिथि आईआईटी जोधपुर के डायरेक्टर प्रो. शांतनु चौधरी ने कहा कि आईआईटी और एम्स दोनों का एक ही शहर में होना बहुत ही महत्वपूर्ण है। दिल्ली एम्स और आईआईटी के बाद अब एम्स जोधपुर और आईआईटी को एक साथ काम कर जोधपुर में मिड टेक पार्क डेवलप करना होगा। यह टेक्नोलॉजी के लिहाज से अच्छा है और उतना ही मेडिकल साइंस के लिए भी। उन्होंने कहा कि मेरा यह विचार है कि एम्स और आईआईटी जोधपुर को एकेडमिक प्रोग्राम शुरू करने चाहिए। उन्होंने अवाई लेने वाले सभी स्टूडेंट्स और फैकल्टी को बधाई दी। एम्स के डायरेक्टर डॉ. संजीव मिश्रा ने एम्स की

वार्षिक रिपोर्ट पढ़ी। उन्होंने कहा कि एम्स केवल डॉक्टर ही नहीं बनाता स्टूडेंट्स की ओवरऑल पर्सनेलिटी पर भी काम करता है। सरकार द्वारा शुरू किए 'मेरा अस्पताल योजना' में एम्स दूसरे एम्स की तुलना में पहले पायदान पर है, बाकी ओवरऑल 5 वें स्थान पर है।

इस दौरान सांस्कृतिक कार्यक्रम में स्टूडेंट्स ने रंगारंग प्रस्तुतियां दी। एम्स डीन एकेडमिक डॉ. कुलदीप सिंह ने बताया कि कार्यक्रम में एमबीबीएस और नर्सिंग के छात्र-छात्राओं को गोल्ड और सिल्वर मेडल दिए गए। एमबीबीएस 2014 बैच में डायरेक्टर गोल्ड मेडल अंशु गोयल, एमबीबीएस 2016 बैच के हरपीर सिंह, एमबीबीएस 2018 बैच में शिवम चौधरी को दिया गया। उन्होंने बताया कि एमबीबीएस में कुल 24 गोल्ड और 33 सिल्वर मेडल दिए गए। वहीं नर्सिंग में 24 गोल्ड और 93 सिल्वर मेडल दिए गए।

## केन्द्रीय मंत्री ने किया एम्स के नए ओटी का अवलोकन

### केन्द्रीय मंत्री शेखावत जोधपुर पहुंचे

जोधपुर @ पत्रिका. भारत सरकार के केन्द्रीय जल शक्ति मंत्री गजेन्द्र सिंह शेखावत शुकवार को सुबह रेल मार्ग से जोधपुर पहुंचे। शेखावत ने जोधपुर में निवास स्थान पर आमजन से मुलाकात की। इसके बाद जोधपुर एम्स में नए ऑपरेशन थिएटर का अवलोकन किया। केन्द्रीय मंत्री शेखावत ने फलोदी विधानसभा क्षेत्र



के जोड़ियां के जनप्रतिनिधियों के परिजन की कुशलता पूछने जोधपुर एम्स पहुंचे। एम्स के निदेशक डॉ. संजीव मिश्रा के साथ आईसीयू में

'भर्ती मरीज से मिले। उन्होंने नवनिर्मित ओटी देखा। डॉ. मिश्रा ने केन्द्रीय मंत्री शेखावत को अत्याधुनिक सुविधाओं से सुसज्जित ऑपरेशन थियेटर के बारे में विस्तार से जानकारी दी। इस दौरान एम्स के प्रशासनिक अधिकारी एनआर विश्वाजी भी मौजूद रहे। इसके बाद केन्द्रीय मंत्री शेखावत केतु बालेसर व पोकरण के लिए रवाना हुए और बालेसर होते हुए केतु हामा में विवाह समारोह में शामिल हुए। साथ ही ग्रामीणों से मिले।



# एम्स में हुई मेटाबोलिक एवं बेरिएट्रिक सर्जरी

जोधपुर@पत्रिका. अखिल भारतीय आयुर्विज्ञान संस्थान (जोधपुर एम्स) में महिला (48) की मेटाबोलिक व बेरिएट्रिक सर्जरी की गई। एम्स के जनरल सर्जरी विभाग में पहली बार ऐसी सर्जरी हुई है। यह महिला मोटापा, डायबिटीज, ब्लड प्रेशर एवं जोड़ों के गंभीर रोगों से ग्रसित थी। जनरल सर्जरी विभाग के विभागाध्यक्ष डॉ. अशोक कुमार पुराणिक व डॉ. महेन्द्र लोढ़ा ने बताया कि मेटाबोलिक एवं बेरिएट्रिक सर्जरी में मरीज के पेट को दूरबीन तकनीक से काट कर छोटा किया जाता है। इस ऑपरेशन को स्लीव गैस्ट्रेक्टमी कहते हैं। एक सामान्य व्यक्ति के पेट का वॉल्यूम करीब 1 से 1.5

## शारीरिक गतिविधि में बढ़ती कमी से बढ़ता है मोटापा

मोटापा शरीर में भोजन के रूप में ग्रहण की गई कैलोरी और शरीर द्वारा विभिन्न क्रियाओं में खर्च की गई कैलोरी के बीच असंतुलन का परिणाम है। उच्च कैलोरी खाद्य पदार्थों की बढ़ती खपत व शारीरिक गतिविधि में कमी से शरीर के वजन में वृद्धि होती है। पहले यह सोचा जाता था कि मोटापा सिर्फ उच्च आय वाले देशों की समस्या है,

लेकिन अब कम आय और मध्यम आय वाले देशों में भी अधिक वजन और मोटापे की समस्या बढ़ रही है। खासकर शहरी क्षेत्रों में हाल के अध्ययनों में बताया है कि विश्व में 1.9 बिलियन से अधिक वयस्क अधिक वजन वाले हैं और 650 मिलियन मोटे हैं। अधिक वजन या मोटे होने के परिणामस्वरूप लगभग 2.8 मिलियन मौतें होती हैं। भारत में

135 मिलियन से अधिक व्यक्ति मोटापे से प्रभावित हैं। 15-54 आयु वर्ग में हर चौथा व्यक्ति अधिक वजन एवं मोटापे से ग्रसित है। भारत मोटापे की रैंक में विश्व में तीसरे नंबर पर है। मोटापा विभिन्न रोगों की रिस्क जैसे हृदय, टाइप 2 डायबिटीज, ऑब्स्ट्रक्टिव स्लीप एपनिया, कैंसर व ऑस्टियोआर्थराइटिस की संभावना को बढ़ाता है।

लीटर होता है। इस ऑपरेशन के बाद पेट का वॉल्यूम 60-90 मिलीलीटर ही रह जाता है। मेटाबोलिक एंड बेरिएट्रिक

सर्जरी उन लोगों के लिए है, जो अत्यधिक मोटे होने के साथ मधुमेह, उच्च रक्तचाप, स्लीप एपनिया व जोड़

रोग से ग्रसित हैं। इस ऑपरेशन में एनेस्थेसिया से डॉ. मनोज कमल व उनकी टीम ने सहयोग दिया।

## वर्ल्ड पेशेंट सेफ्टी-डे • ऑरेंज रोशनी में जगमगाया एम्स



हेल्थ रिपोर्टर जोधपुर | एम्स जोधपुर में पहला वर्ल्ड पेशेंट सेफ्टी-डे मनाया गया। इसके तहत शाम को एम्स ओपीडी के भवन को ऑरेंज रोशनी से सजाया गया। दिन में भी वर्ल्ड पेशेंट सेफ्टी-डे को लेकर कार्यक्रम हुआ। एम्स के डॉ. पंकज भारद्वाज ने बताया कि विश्व स्वास्थ्य संगठन ने पहली बार पेशेंट सेफ्टी-डे को विश्व स्वास्थ्य महत्व का विषय मानते हुए सभी देशों से 17 सितंबर को इसे मनाने की अपील की। इस बार की थीम भी 'स्पीक अप फॉर पेशेंट सेफ्टी' रखी गई। उन्होंने कहा कि यह इसलिए जरूरी है कि असुरक्षित मरीज सेवा के 13 करोड़ से ज्यादा मामले हर वर्ष भारत व प्रगतिशील देशों के अस्पतालों में देखने को मिलते हैं। इससे 20 लाख से ज्यादा मरीजों की असामयिक मृत्यु हो जाती है। उन्होंने कहा कि एम्स डायरेक्टर डॉ. संजीव मिश्रा के निर्देशन में विश्व स्वास्थ्य संगठन में हमारे द्वारा किए गए कार्यक्रम को रजिस्टर किया गया है। उसी के तहत वर्ल्ड पेशेंट सेफ्टी-डे पर एम्स अधीक्षक कार्यालय में सम्मान समारोह भी हुआ। इसमें डिप्टी निदेशक (प्रशासन) एनआर विश्वनोई ने मरीज सुरक्षा के क्षेत्र में अग्रणी रहने वाले एम्स नर्सिंगकर्मियों सिंकी थॉमस, मुकेश राठौड़, चतुर्भुज, वासुदेव डामोर व जलानाथन को सम्मानित किया।

## नारंगी रंग बेहतर स्वास्थ्य का प्रतीक

डॉ. भारद्वाज ने बताया कि नारंगी रंग बेहतर स्वास्थ्य का प्रतीक है। विश्व स्वास्थ्य संगठन ने भी सभी देशों में जहां भी वर्ल्ड पेशेंट सेफ्टी-डे मनाया जा रहा है, वहां भवनों को ऑरेंज रंग से रोशन करने को कहा। उन्होंने बताया कि नारंगी रंग खुशी, उत्साह, रचनात्मकता, सफलता, प्रोत्साहन, परिवर्तन, दृढ़ संकल्प, स्वास्थ्य, उत्तेजना, आनंद, संतुलन, स्वतंत्रता, अभिव्यक्ति और आकर्षण के अर्थ से भी जुड़ा है।

## हर साल 10 हजार गर्भवतियों व 5 हजार नवजात की होगी जांच नवजातों में आनुवांशिक रोगों से निपटने के लिए जोधपुर एम्स सहित 5 मेडिकल कॉलेज में 'उम्मीद' का शुभारंभ किया



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केंद्रीय विज्ञान एवं प्रौद्योगिकी, पृथ्वी विज्ञान व स्वास्थ्य एवं परिवार कल्याण मंत्री डॉ. हर्षवर्धन ने सोमवार को जोधपुर एम्स समेत 5 मेडिकल कॉलेज में 'उम्मीद' (वंशानुगत विकारों के उपचार एवं प्रबंधन की विलक्षण पद्धतियाँ) का शुभारंभ किया और निदान (राष्ट्रीय वंशानुगत रोग प्रबंधन) केंद्रों का उद्घाटन किया। इन्हें विज्ञान एवं प्रौद्योगिकी मंत्रालय के जैव प्रौद्योगिकी विभाग (डीबीटी) द्वारा सहायता प्रदान की जा रही है। कार्यक्रम में डीबीटी सचिव डॉ. रेणु स्वरूप ने बताया कि 'उम्मीद' स्वास्थ्य सेवा के क्षेत्र में एक अग्रणी पहल है। उन्होंने कहा कि 'उम्मीद' बड़ी तादाद में वंशानुगत रोगों से ग्रसित लोगों की आशाओं को पूरा कर रही है। जन्मजात और आनुवांशिक रोग भारत में बहुत बड़ा स्वास्थ्य संबंधी बोझ बनते जा रहे हैं, इसी को ध्यान में रखते हुए व उपयुक्त और कारगर आनुवांशिक परीक्षण एवं परामर्शी सेवाओं की जरूरत को महसूस कर डीबीटी ने इसका शुभारंभ किया है



जो परहेज, इलाज से बेहतर है, की अवधारणा पर आधारित है।

### जोधपुर, दिल्ली सहित पांच स्थानों पर होंगे निदान केंद्र

'उम्मीद' के शुरूआती चरण में बड़े स्तर पर सेवाएं उपलब्ध कराने के लिए पांच निदान केंद्र बनाए गए हैं। इनमें एम्स जोधपुर, निजाम इंस्टीट्यूट ऑफ मेडिकल साइंस हैदराबाद, दिल्ली स्थित आर्मी हॉस्पिटल, लेडी हार्डिंग हॉस्पिटल और एनआरएस मेडिकल कॉलेज एंड हॉस्पिटल कोलकाता में निदान केंद्र शुरू होंगे। एम्स के एकेडमिक डीन डॉ. कुलदीप सिंह ने बताया कि इस प्रयास में डॉ. प्रवीण शर्मा, डॉ. प्रतिभा सिंह, डॉ. सुरजीत घटक, डॉ. पूर्वी, डॉ. शिल्पी, डॉ. वरुणा, डॉ. नवदीप, डॉ. दुष्यंत, डॉ. सियाराम, डॉ. प्रियंका, डॉ. रेणु सहयोग करेंगे।

## एम्स के डॉक्टरों की अनूठी पहल, स्कूलों में जाकर बच्चों को कर रहे हैं जागरूक

नवज्योति/जोधपुर।

अखिल भारतीय आयुर्विज्ञान केन्द्र एम्स के चिकित्सकों द्वारा अनूठी पहल करते हुये स्कूलों में जाकर बच्चों को स्वास्थ्य जागरूकता के अलावा यौन शोषण के प्रति जागरूक कर रहे हैं। एम्स के डीन डा. कुलदीप सिंह ने बताया कि अधिकतर किशोरों को सामान्य स्वास्थ्य के साथ साथ प्रजनन स्वास्थ्य की जानकारी आधी अधूरी

अधिकार संरक्षण आयोग द्वारा बनाई कार्टून फिल्म को दिखा कर बच्चों के अनेक प्रश्नों का उत्तर दे रहे हैं।

### बच्चों के सवालों के दे रहे हैं जवाब

डा सिंह ने बताया कि बच्चों के अनेक प्रकार के प्रश्न होते हैं जिनका एम्स के डॉक्टर शालीनता से जवाब दे रहे हैं। उन्होंने बताया कि एम्स के डॉक्टरों की यह अनूठी पहल कनाडा के स्टार्स इन ग्लोबल हेल्थ के सहयोग से की जा रही है। इस कार्यक्रम के अंतर्गत किशोरावस्था में होने वाली कई समस्याओं का निराकरण डीप लर्निंग पद्धति पे निर्मित है जिसमें सवाल, जवाब के अलावा एक मोबाइल अप के जरिये भी जानकारी साझा की जा रही है। संकोचवश बच्चे कुछ निजी समस्यायें सबके सामने पूछ नहीं पाते। इस लिए डॉक्टरों ने सीक्रेट रिलेफ जो गुलाबी अथवा नीले रंग की होती है पर अपना प्रश्न लिख कर पूछते हैं। इनका उत्तर एक्सपर्ट डॉक्टर बच्चों की उम्र के अनुसार बताते हैं। ऐसे में कई मजोदार प्रश्न भी सामने आए हैं और कभी कभी अगोचर परन्तु अति आवश्यक प्रश्न भी पूछे गए हैं। कुछ कुछ प्रश्न एप में भी छाले हैं। टीम में डॉ प्रतिभा के अतिरिक्त डॉ कुलदीप सिंह भी हैं जो शिशु रोग विशेषज्ञत्व भी है, साथ में डॉ नरेश नेमनानी, डॉ वारु शर्मा, डॉ तनु हैंग इस प्रोग्राम को तैयार करने में डॉ एलिया मिताल, डॉ अभिषेक भारद्वाज, डॉ शिल्पी दीक्षित, डॉ पंकज भारद्वाज एवं डॉ पी पी शर्मा ने भी मदद की है। इसके अलावा भूपेन्द्र व सुशी कोडमा सहयोग कर रहे हैं।



होती है। किशोरावस्था में ही प्रजनन स्वास्थ्य की नींव पड़ती है क्योंकि शरीर में परिवर्तन के साथ साथ किशोर अपने करियर और आगे की जिंदगी के बारे में उत्कृष्ट हो जाते हैं। पोषण के अभाव में शरीर न बनना, खून की कमी होना तथा अनेक पोष्टिक पदार्थ की कमी आगे चल कर अच्छे अभिभावक होने से भी रोकते हैं। कम उम्र में माँ बनने पर बच्चा भी कमजोर होता है और संक्रमण का शिकार होता है। पेट के अंदर शिशु की देखभाल और पोषण भी माँ के स्वास्थ्य पर निर्भर करता है। कच्ची उम्र में शादी अनेक परेशानियों को जन्म देता है। जहाँ एक ओर किशोरों की पढ़ाई पर असर पड़ता है वहीं कम उम्र की माँ बनने की संभावना भी बढ़ जाती है। डॉ प्रतिभा सिंह के नेतृत्व में एम्स के डॉक्टरों की एक टीम स्कूलों में जा जा कर उन्हें स्वास्थ्य सम्बन्धी जानकारी दे रहे हैं। यह टीम किशोरों को सुरक्षित स्पर्श के बारे में भी बता रहे हैं। डा सिंह ने बताया कि महिला और बाल विकास मंत्रालय तथा राष्ट्रीय बाल

दैनिक भास्कर

जोधपुर

जोधपुर, सोमवार 02 दिसंबर, 2019 | 03

## एक जवान को इयूटी के दौरान उठा सीने में दर्द तो दूसरा सड़क हादसे में हुआ था घायल जैसलमेर से एयरलिफ्ट कर लाए जवान की एम्स में एंजियोग्राफी व एंजियोप्लास्टी कर बचाई जान

जैसलमेर आर्मी के जवान को पहले वहीं मिलिट्री अस्पताल में किया था भर्ती, ठीक नहीं होने पर जोधपुर किया था रेफर

हेल्थ रिपोर्ट | जोधपुर

सीने में चार-पांच दिन से दर्द की शिकायत के चलते सेना के अस्पताल में इलाज ले रहे 42 वर्षीय जवान की एम्स में एंजियोग्राफी और एंजियोप्लास्टी कर जान बचाई। दरअसल जैसलमेर आर्मी में फील्ड इयूटी के दौरान जवान के सीने में दर्द हो रहा था। इसके चलते वहीं मिलिट्री अस्पताल में जवान को 26 नवंबर को भर्ती कराया गया, लेकिन वहाँ तबीयत में सुधार नहीं होने के कारण 29 नवंबर को जोधपुर रेफर किया गया। तबीयत ज्यादा बिगड़ने पर जवान को 29 नवंबर को एयरलिफ्ट कर जोधपुर लाकर एम्स में भर्ती कराया गया। मरीज को जैसलमेर से 8.45 से एयरलिफ्ट कर जोधपुर एयरपोर्ट लाया गया। करीब 10.30 बजे मरीज को

एम्स इमरजेंसी में भर्ती किया गया। इमरजेंसी में कार्डियोलॉजी विभाग के डॉक्टर और टीम ने जवान को देखा और तुरंत इलाज शुरू किया। डॉ. अतुल कोशिक ने बताया कि मरीज को कुछ दिन से सीने में दर्द होने व आर्मी अस्पताल में सुधार नहीं होने के चलते एयरलिफ्ट कर एम्स लाया गया। इसकी पूर्व जानकारी होने के चलते हमारी पूरी टीम इमरजेंसी में तैयार थी। मरीज को तुरंत दवा और कुछ इंजेक्शन लगाए गए। इनको जांच और दूसरे ब्लड टेस्ट भी कराए गए। जांच रिपोर्ट से पता चला कि मरीज को हार्ट अटैक आया था। इस पर 30 नवंबर को कार्डियोलॉजी टीम ने मरीज की पहले एंजियोग्राफी की और फिर मरीज की एक आर्ट्री में ब्लॉक का पता चलने पर एंजियोप्लास्टी कर दुरुस्त किया गया। ऑपरेशन करीब एक घंटे चला। मरीज अब स्थिर है।

### तीन विभागों ने मिल किया ऑपरेशन घायल वीएसएफ जवान की टांग बचाई

एम्स में 17 नवंबर को तीन विभागों ने मिलकर ऑपरेशन कर वीएसएफ के एक जवान की टांग बचाई। जैसलमेर बॉर्डर पर तैनात वीएसएफ जवान को दुर्घटना में घायल अवस्था में एम्स इमरजेंसी में लाया गया। जवान की गंभीर रूप से क्षतिग्रस्त हुई टांग की खून की नस को ठीक किया और बाद में पैर की हड्डी को जोड़कर सफरत ऑपरेशन कर टांग बचाई। कार्डियोरैडियोलॉजी व वैक्स्यूलर सर्जरी विभाग के डॉ. आलोक शर्मा ने बताया कि बाइपैर स्थित सेना की 115 बटालियन के 46 वर्षीय जवान को 16 नवंबर को शाम करीब 5 बजे सड़क दुर्घटना में बाएँ पैर की खून की मुख्य नस (फिमोरल आर्टरी) फट गई थी, जिससे जांच के नीचे के हिस्से में

खून की सफाई बंद हो गई थी। मरीज के जांच की हड्डी (फोमर) भी टूटी हुई थी। साथ ही घुटने के नीचे पांव की चमड़ी निकल गई। वहाँ से मरीज को 17 नवंबर को एम्स में शिफ्ट किया गया। यहाँ एम्स में डॉ. सुरेंद्र पटेल व उनकी टीम ने ऑपरेशन कर फिमोरल आर्टरी को रिपेयर किया और फिर ऑर्थोपेडिक विभाग के डॉ. अभय एल्वेस की टीम ने हड्डी को जोड़ने का ऑपरेशन किया। इसके बाद प्लास्टिक सर्जरी विभाग के डॉ. रणजीत साहू की टीम ने 29 नवंबर को ऑपरेशन कर दूसरी चमड़ी लगाई। डॉ. पटेल ने बताया कि जवान का समय पर इलाज होने से पैर बचा लिया गया। तीन-चार माह में जवान सही होकर फिर से बाईपर पर इयूटी कर सकेंगा।

## पब्लिक लेक्चर में प्रोस्टेट कैंसर संबंधी जानकारी दी



पब्लिक लेक्चर के दौरान मौजूद डॉक्टरस।

हेल्थ रिपोर्ट | जोधपुर

एम्स जोधपुर में प्रोस्टेट कैंसर विषय पर गुरुवार को यूरोलॉजी विभाग की ओर से पब्लिक लेक्चर हुआ। इसमें विभाग के डॉ. गौतमराज चौधरी, डॉ. हिमांशु पांडे, डॉ. महेंद्र, डॉ. विजय शर्मा ने प्रोस्टेट और प्रोस्टेट कैंसर के बारे में जानकारी दी। डॉ. चौधरी ने प्रोस्टेट कैंसर के होने के कारणों और लक्षणों के बारे में बताया। डॉ. हिमांशु ने प्रोस्टेट कैंसर की चार स्टेज के

बारे में जानकारी दी। उन्होंने कैंसर किस प्रकार बढ़ता है, शरीर में कहाँ फैलता है आदि के बारे में बताया। डॉ. महेंद्र ने बताया कि प्रोस्टेट कैंसर प्रोस्टेट ग्रंथि से बाहर निकल जाता है तो किस प्रकार उसका इलाज किया जाए। अंत में डॉ. विजय शर्मा ने प्रोस्टेट कैंसर के इलाज के लिए दवाओं के बारे में जानकारी दी। आप्रजन ने विशेषज्ञों से प्रश्नोत्तर के माध्यम में अपनी शंकाओं को दूर किया।

## एम्स में 7 करोड़ से बना स्पोर्ट्स कॉम्प्लेक्स छात्र मरीजों के साथ अपनी सेहत भी सुधारेंगे

स्पोर्ट्स रिपोर्ट | जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में स्टूडेंट्स को बेहतर एवम् के साथ अच्छी खेल सुविधाएं मिलें, इसके लिए अच्छे मैडिकल कॉलेज के साथ ही कार्य स्थात करोड़ रुपय की लागत से एम्स में स्टूडेंट्स के लिए एक ही जगह कई खेल सुविधायुक्त स्पोर्ट्स कॉम्प्लेक्स बनाया गया है।

एम्स सुर्जी के अनुसार आगामी सात दिनों में स्पोर्ट्स कॉम्प्लेक्स का शुभारंभ दीर्घांत समारोह में आमने सामने अतिथियों से कराया जाएगा। इसके साथ ही स्टूडेंट्स एक्टिविटी के लिए बनने वाले एए भवन की नींव रखी जाएगी। इसके अलावा भी कई नई घोषणा होगी। हालांकि अभी एम्स की ओर से कोई आधिकारिक सूचना नहीं दे रहा है। हालांकि एम्स प्रशासन यह जरूर कह रहा है कि स्टूडेंट्स को अच्छी शिक्षा के साथ अच्छी स्पोर्ट्स सुविधा देने के लिए हम प्रतिक्रम हैं।



स्पोर्ट्स कॉम्प्लेक्स में क्रिकेट, फुटबॉल, बालेस्टबॉल, टेनिस खेलने कई खेलों की सुविधाएं हैं।

### 29125 स्क्वायर मीटर एरिया में बना स्पोर्ट्स कॉम्प्लेक्स

स्पोर्ट्स कॉम्प्लेक्स का प्रयोग 29125 स्क्वायर मीटर है। इसमें क्रिकेट, बालेस्टबॉल, टेनिस खेलने के साथ-साथ 23500 स्क्वायर मीटर एरिया में फुटबॉल, हॉकी और क्रिकेट का मैदान बनाया गया है। साथ ही 400 लोगों की क्षमता का पब्लिक टॉर्नमेंट, ऑफिस स्टोर और कई कम भी बनाया गया है। इसके अलावा 7250 स्क्वायर मीटर स्टेज एरिया भी रखा गया है।

## एम्स में पीडियाट्रिक एजुकेशन पर तीन दिवसीय कांफ्रेंस आज से

पत्रिका PLUS रिपोर्ट

**जोधपुर** • अखिल भारतीय आयुर्विज्ञान संस्थान (जोधपुर एम्स) में तीन दिवसीय 7वीं राष्ट्रीय पीडियाट्रिक एजुकेशन कांफ्रेंस का आगाज रविवार से होगा। आयोजन के सह संरक्षक डॉ. कुलदीपसिंह ने बताया कि इसमें देश के कई नामी शिशु रोग चिकित्सक भाग लेंगे। साथ ही शिशुओं की बीमारियों की नवीन तकनीक को लेकर चर्चा करेंगे। इसके अलावा एमसीआई के निर्देशानुसार मेडिकल कॉलेज में चलाने वाले कौशल विकास कार्यक्रम आयोजन का

मुख्य हिस्सा रहेगा। ये कार्यक्रम पीडियाट्रिक के साथ सभी अन्य मेडिकल विभाग के लिए रहेगा। कार्यक्रम में एम्स व डॉ. एसएन मेडिकल कॉलेज के एमबीबीएस व यूजी के विद्यार्थी भी हिस्सा बनेंगे। सुबह 8 बजे से रजिस्ट्रेशन शुरू हो जाएगा। तीन दिन में कई सत्र होंगे। इस आयोजन के मुख्य संरक्षक एम्स डायरेक्टर डॉ. संजीव मिश्रा, सह संरक्षक एम्स अधीक्षक डॉ. अरविंद सिन्हा, डॉ. राज रानी, डॉ. एसएन मेडिकल कॉलेज प्रिंसिपल डॉ. एसएस राठौड़ व डॉ. एसएन मेडिकल कॉलेज में पीडियाट्रिक विभाग एच.ओ.डी डॉ. अनुरागसिंह होंगे।

## 3. एम्स में सोलर प्लांट से एक करोड़ की बचत



वर्ष 2012 में स्थापित एम्स जोधपुर के भवन निर्माण पर 378 करोड़ रुपय की लागत आई थी। अपने आकार में लगभग आयताकार एम्स इमारत को बनाने वक्त सूर्यनगरी में पड़ने वाली प्रचंड गर्मी का विशेष ध्यान रखा गया। अंदर इको सेंट्रल कूलिंग सिस्टम है। इसके लिए विशेष रूप से ट्राइक्लोरिडिंग प्रणाली का इस्तेमाल किया गया। इसमें बाहर की बिल्डिंग व अंदर की दीवार के मध्य करीब डेढ़ इंच का गैप दिया गया, ताकि बाहर की गर्मी अंदर नहीं जाए। अंदर लगे कूलिंग सिस्टम पर अत्यधिक लोड नहीं पड़े।

- एम्स जोधपुर 100 एकड़ जमीन पर बना हुआ है, 67 एकड़ जमीन पर कार्य चल रहा है। जहां अब रेजिडेंसियल कॉम्प्लेक्स व हॉस्टल आदि बनेंगे।
- हाल ही में 29125 वर्ग मीटर में स्पोर्ट्स कॉम्प्लेक्स बना है, जहां विभिन्न गेम्स के लिए ग्राउंड हैं।
- अगिन जैसी घटनाओं को रोकने के लिए एम्स जोधपुर सक्षम है।
- बरसाती जल संरक्षण व जीरो लिफ्टिड वेस्ट सिस्टम की सुविधा है। इसका कैपस में ही ट्रीटमेंट प्लांट स्थापित है। पुनः पानी का यही इस्तेमाल होता है।
- हॉस्टिल व कॉलेज की कुल 18 इमारतें हैं, जो सेंट्रल एयर कंडीशनिंग सुविधा से सुसज्जित हैं। इसके अलावा आवासीय इमारतें अलग बनी हुई हैं।
- यहां बिजली खर्च कम करने के लिए 1352 किलोवाट का सोलर प्लांट स्थापित है। इससे एम्स को सालाना एक करोड़ रुपय की बचत हो रही है।

### अच्छी खबर

## + एम्स जोधपुर में भारत-स्वीडन हेल्थकेयर इनोवेशन सेंटर शुरू

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जोधपुर दिल्ली में आयोजित स्वीडन विजनेस समिट में स्वीडिश ट्रेड कमिश्नर कार्यालय ने अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली और जोधपुर एम्स प्रतिनिधियों की मौजूदगी में भारत-स्वीडन हेल्थकेयर इनोवेशन सेंटर की शुरुआत करने की घोषणा की। इस स्थापना के बाद एम्स जोधपुर में सस्ती, सुलभ चिकित्सा क्षेत्र में कई तरह के नवाचार होंगे। इस कारण में एम्स जोधपुर नॉन कम्प्यूट्रिकेजल डिजीज, तंत्रिका नियंत्रण, एल्कोल एंड अन हेल्थी फूड्स, पब्लिक हेल्थ पॉलिसी, मातृ एवं शिशु स्वास्थ्य, स्वास्थ्य रिसेस इक्विपमेंट, नर्सिंग स्क्रीन्स, सेक्सुअल एंड रिप्रोडक्टिव हेल्थ एंड राइट्स, ई हेल्थ-ई-गवर्नेंस, मेडिकल रिसर्च, मेडिकल उपकरण व फार्मास्यूटिकल्स, हेल्थ एनवॉयरमेंट, बदलते वातावरण व संक्रमण बीमारियों सहित कई विषयों पर कार्य होगा।



एम्स जोधपुर में भारत-स्वीडन हेल्थकेयर इनोवेशन सेंटर की शुरुआत के लिए दिल्ली में मौजूद दोनों देशों के प्रतिनिधि व अधिकारी।

व स्वीडन के बीच स्वास्थ्य सहयोग के दस वर्ष पूर्ण होने के अवसर पर स्वास्थ्य और परिवार कल्याण मंत्री डॉ. हर्षवर्धन और स्वीडन के स्वास्थ्य और सामाजिक मामलात मंत्री डॉ. मेजा फेनाद की मौजूदगी में इस स्वास्थ्य रिसेस इक्विपमेंट, नर्सिंग स्क्रीन्स, सेक्सुअल एंड रिप्रोडक्टिव हेल्थ एंड राइट्स, ई हेल्थ-ई-गवर्नेंस, मेडिकल रिसर्च, मेडिकल उपकरण व फार्मास्यूटिकल्स, हेल्थ एनवॉयरमेंट, बदलते वातावरण व संक्रमण बीमारियों सहित कई विषयों पर कार्य होगा।

इस समारोह में स्वीडन के महासचिव कार्ल 16वें गुस्ताफ, वित्त मंत्री निर्मला सीतारमण और स्वीडन सरकार के उद्यम व नवाचार मंत्रालय के इब्राहिम बेलाना उपस्थित थे। भारत

हो सकेगा। यह केंद्र मधुमेह और कैंसर आदि रोगों की जांच और उपचार सहित सस्ती स्वास्थ्य देखभाल पर कार्य करेगा। डॉ. गुलेरिया और डॉ. मिश्रा ने इस केंद्र को स्वास्थ्य सेवाओं में सहयोगी बताया। जोधपुर एम्स निदेशक डॉ. मिश्रा ने कहा कि स्वीडन से साझेदारी नए नवाचार पैदा करेगी। जोधपुर एम्स के एकेडमिक डीन कुलदीप सिंह ने बताया कि ये कारगर ऑपन इनोवेशन व इन्वैस्टमेंट विकसित करेगा। जो हेल्थकेयर सेक्टर में वर्तमान और भविष्य की चुनौतियों के समाधान व सहयोग के लिए उपयोगी सिद्ध होगा। यह पहल भारत सरकार के रिकल इंडिया और स्टार्ट अप इंडिया के साथ-साथ स्वीडन के बीजक द्वि-पक्षीय सहयोग के लिए होगी।

## भास्कर खास • एम्स प्रशासन का दावा- जोधपुर में यह पहला ऑपरेशन, त्रिवेन्द्रम से आए डॉ. जॉर्ज विल्लनीलम ने किया सहयोग एम्स में मिर्गी के दो सफल ऑपरेशन, हर साल आ रहे 2500 मरीज

हेल्थ रिपोर्टर | जोधपुर

एम्स में मिसिअल टेम्पोरल स्कलेरोसिस नामक मिर्गी से ग्रसित मरीज का गुरुवार को सफल ऑपरेशन हुआ। एम्स में लगातार दो दिन मिर्गी के मरीजों के ऑपरेशन हुए। एम्स अधीक्षक डॉ. अरविंद सिन्हा ने बताया कि मिर्गी मरीज का यह पहला ऑपरेशन जोधपुर में किया गया है। उन्होंने ऑपरेशन करने वाली पूरी टीम को बधाई दी और कहा कि एम्स जोधपुर ने यह नया माइलस्टोन रचा है। न्यूरो सर्जरी के एडिशनल प्रोफेसर डॉ. एस भास्कर ने बताया कि मिर्गी एक तंत्रिका तंत्र संबंधी बीमारी है, जो केंद्रीय तंत्र को प्रभावित करती है। इसके चलते

मरीज को बार-बार हल्के और गंभीर दौर आते हैं। एम्स न्यूरोलॉजी की ओपीडी में आने वाले मरीजों में 20 प्रतिशत मरीज मिर्गी के होते हैं। साल में करीब 2500 मरीज मिर्गी का इलाज लेने एम्स जोधपुर आ रहे हैं। राजस्थान में 2-3 लाख मरीज मिर्गी के हैं। न्यूरोलॉजी विभाग के डॉक्टर को लगता है तो वे न्यूरो सर्जरी विभाग में रेफर करते हैं। 60-65 प्रतिशत मरीजों का इलाज एक या एक से अधिक दवाइयों से किया जा सकता है, लेकिन 30-40 प्रतिशत मरीजों में दवा देने के बाद भी दौरे आना बंद नहीं होते हैं। इन मरीजों को चिह्नित कर एन्ट्रीअर टेम्पोरल लोब और एमिग्डाला प्लस हिप्पोकैम्पस को सर्जरी कर हटा दिया जाता है।

### मिसिअल टेम्पोरल स्कलेरोसिस बीमारी से पीड़ित एक मरीज जोधपुर दो दूसरा उत्तराखंड का, दोनों ऑपरेशन में लगे पांच से छह घंटे

डॉ. भास्कर ने बताया कि एम्स जोधपुर में बुधवार-गुरुवार दो दिनों में मिर्गी के दो मरीजों के ऑपरेशन किए गए। दोनों मरीजों में एक मरीज जोधपुर निवासी 22 वर्षीय युवक जो 10-12 सालों से मिर्गी की बीमारी से पीड़ित था। दूसरा उत्तराखंड का 33 वर्षीय युवक था। दोनों ही ऑपरेशन में 5-6 घंटे लगे। दोनों ही मरीजों को मिसिअल टेम्पोरल स्कलेरोसिस नामक मिर्गी थी, जिसका ऑपरेशन किया गया। ऑपरेशन के लिए श्री चित्रा तिरुनल इंस्टीट्यूट ऑफ मेडिकल साइंसेज त्रिवेन्द्रम में सह आचार्य डॉ. जॉर्ज विल्लनीलम ने ऑपरेशन में सहयोग किया। साथ ही जोधपुर एम्स से न्यूरोलॉजी की डॉ. स्मिता पांडा, न्यूरो सर्जरी के डॉ. दीपक

कुमार झा, डॉ. मंयक गर्ग और डॉ. जसकरण, एनेस्थेसिया के डॉ. प्रदीप भाटिया, रेडियोलॉजी के डॉ. सर्वेश तिवारी और मनोरोग विभाग के डॉ. तरुणा यादव ने भी सहयोग किया।

### 1000 में 6 लोग मिर्गी से ग्रसित

डॉ. भास्कर ने बताया कि एक हजार लोगों में से छह लोग मिर्गी से ग्रसित हैं। ग्रसित मरीजों का इलाज दवाइयों से होता है। सर्जरी द्वारा सही हो सकने वाली मिर्गी मिसिअल टेम्पोरल स्कलेरोसिस, फोकल कोर्टिकल डिस्प्लेजिया, पेरिनेटल ग्लिओसिस कम तीव्रता की लीजन जैसे की गैंग्लियोमा, केवर्नोमा इत्यादि है।

## एम्स में गर्दन के कैंसर की रोबोटिक सर्जरी



### प्रदेश में पहली बार

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जोधपुर. अखिल भारतीय आयुर्विज्ञान संस्थान (जोधपुर एम्स) के सर्जिकल ऑन्कोलॉजी विभाग ने राजस्थान में पहली बार गर्दन के कैंसर का रोबोट से ऑपरेशन किया। इसमें ऑपरेशन के लिए कान के पीछे छोटा चीरा लगाकर रोबोट के माध्यम से गर्दन के एक तरफ की कैंसर ग्रस्त लिम्फ नोड्स को निकाला गया।

एम्स अधीक्षक डॉ. अरविंद सिन्हा ने बताया कि फलोदी निवासी 60 वर्षीय महिला के मुंह में जीभ पर बड़ा छाला था, जो बायोप्सी में कैंसर के रूप में सामने आया। मुंह का कैंसर गर्दन की लिम्फ नोड्स तक फैल जाता है, इसलिए गर्दन की लिम्फ नोड्स की सर्जरी भी करनी होती है। ज्यादातर जीभ या गाल के कैंसर का मुंह खोल कर ही ऑपरेशन किया जाता है, लेकिन गर्दन पर सामने बड़ा चीरा लगा कर ही ऑपरेशन करना होता है।

इस रोबोटिक सर्जरी में छोटा चीरा लगाकर ऑपरेशन को अंजाम दिया गया। इस ऑपरेशन के लिए एम्स डायरेक्टर व सर्जिकल ऑन्कोलॉजी प्रोफेसर डॉ. संजीव मिश्रा और इसी विभाग के असिस्टेंट प्रोफेसर डॉ. जीवन राम विश्वा ने पूरी प्लानिंग की। ऑपरेशन डॉ. विश्वा के नेतृत्व में हुआ। सर्जरी की टीम में उनके साथ डॉ. अंकित जैन, डॉ. अजय शशिधर, एनेस्थेसिया से डॉ. भरत पालीवाल, डॉ. दीपा अग्रवाल और नर्सिंग से सोमनारायण व संतोष चौधरी शामिल रहे। ऑपरेशन के बाद मरीज पूरी तरह स्वस्थ है। एम्स में टॉन्सिल, जीभ के पिछले हिस्से व लैरिक्स के छोटे ट्यूमर की सर्जरी भी रोबोट से आसानी से की जा रही है।

एम्स में सर्जिकल ऑन्कोलॉजी विभाग में इससे पहले रोबोट से करीब 25 अन्य कैंसर के मरीजों का ऑपरेशन किया जा चुका है। जिनमें आहार नली, आमाशय, आंत, मलाशय व बच्चेदानी के कैंसर का बिना बड़े चीरे के रोबोट से ऑपरेशन किया गया।

### राज्यसभा सदस्य पंचारिया ने किया एम्स का निरीक्षण



जोधपुर। अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में 21 जनवरी को होने वाली इंस्टीट्यूशनल मीटिंग से पहले ही राज्यसभा सदस्य नारायण पंचारिया ने मंगलवार को औचक निरीक्षण कर सभी विभागों का दौरा किया। निरीक्षण के दौरान विभागाध्यक्षों से व्यवस्थाओं की जानकारी प्राप्त की एवं रोगियों की कुशलक्षेम पूछकर उन्हें प्राप्त सुविधाओं की समीक्षा की। पंचारिया ने एम्स में एमआरआई, रेडियोथैरेपी, एनाटोमी डिपार्टमेंट, ब्लड बैंक, आयुष विभाग और एमबीबीएस के लेक्चर थिएटर का निरीक्षण किया। बाद में एम्स डायरेक्टर के साथ एम्स में नई सुविधा के बारे में जानकारी ली। निरीक्षण के दौरान एम्स डायरेक्टर डॉ. संजीव मिश्रा, डिप्टी डायरेक्टर एनआर विश्वा, एम्स अधीक्षक डॉ. अरविंद सिन्हा, एम्स एकेडमी डीन डॉ. कुलदीप सिंह मौजूद थे।

## एम्स में रोबोटिक सर्जरी से हुआ प्रोस्टेट कैंसर का ऑपरेशन



नवज्योति/जोधपुर।

अखिल भारतीय आयुर्विज्ञान केंद्र के यूरोलॉजी विभाग ने प्रोस्टेट कैंसर का जटिल ऑपरेशन करने में सफलता पाई। 120 किलो वजन की मरीज को पेशाब में परेशानी हो रही थी। एम्स में मरीज की जांच करने पर डॉ. गौतमराम चौधरी व उनकी टीम ने ऑपरेशन करने का निर्णय लिया। चौधरी और उनकी टीम ने प्रोस्टेट कैंसर की रोबोटिक सर्जरी की।

## ऑपरेशन में नर्सिंग कर्मियों की महत्वपूर्ण भूमिका

### एम्स में नर्सिंग कर्मियों की अंतरराष्ट्रीय कांफ्रेंस शुरु

नवज्योति/जोधपुर।

ऑपरेशन में नर्सिंग कर्मियों का रोल महत्वपूर्ण होता है। यह जानकारी विशेषज्ञों ने मंगलवार को एम्स में शुरू हुई अंतरराष्ट्रीय वर्कशॉप में दी। कांफ्रेंस का शुभारंभ प्रिंसीपल नर्सिंग कालेज डॉ. राजरानी ने किया। पहले सेशन में प्रो. राजरानी, मोनी गुलिक ने ऑपरेटिव रूम कॉम्प्लैक्स पर आधारित सेशन में हिमांशु व्यास ने बेसिक इक्विपमेंट के बारे में जानकारी दी व नए उपकरणों के बारे में बताया। एम्स त्र्यंबकेश के प्रिंसीपल ऑफ नर्सिंग के डॉ. सुरेश शर्मा ने ऑपरेशन कॉम्प्लैक्स में नर्सिंग के रोल के बारे में बताया, कि चिकित्सक के अलावा नर्सिंग कर्मियों को बहुत सजग रहना

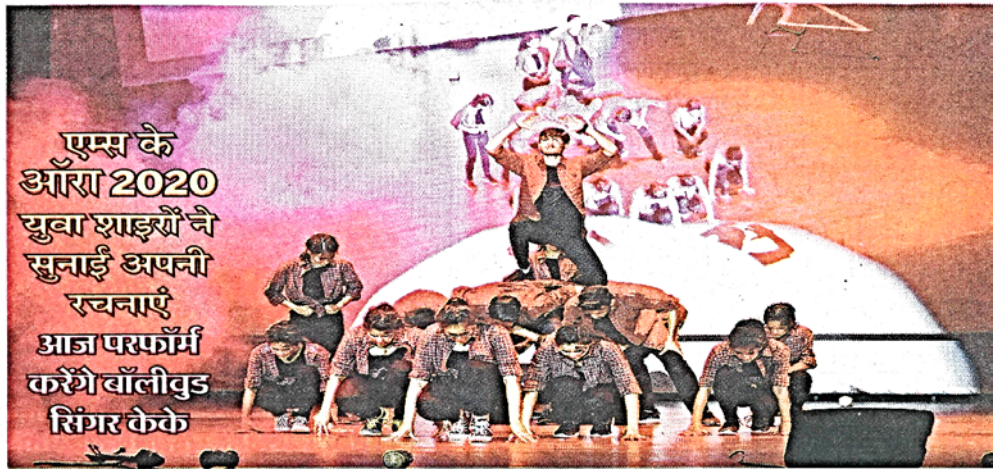


पड़ता है, जिससे ऑपरेशन में सफलता मिल सके। सहायक आचार्य निपीन कलाल ने ट्रामेज के बारे में जानकारी दी। कांफ्रेंस के दूसरे चरण में ऑपरेटिंग रूम कांप्लैक्स के डायनामिक्स के बारे में व्याख्यान दिया। जिसमें सहायक आचार्य डॉ. अशोक कुमार, डॉ. सुरेश शर्मा प्रिंसीपल कालेज ऑफ नर्सिंग एम्स जोधपुर

ने इन्वेसिन लाइव की केयर और त्र्यंबकेश के डॉ. मनीष शर्मा डि सई फे केशन एवं स्ट्रलाइजेशन के बारे में जानकारी दी। तीसरे चरण में आठ प्रेक्टिस स्टेशन पर लाइव डेमो दिखाए गए। जिसमें एडवॉंस टॉक लगाना, घाव की देखभाल, स्टोमा मैनेजमेंट, नवजात शिशु रेसिटेशन और एंसेथेसिस के स्टेशन थे। इसके अलावा पोस्टमार्टम, हिमोरेज, बेरियर नर्सिंग एवं ऑपरेशन ट्यूब और ब्रेन के लाइव डेमो दिखाए गए। सभी स्टेशन हेड को डॉ. अशोक कुमार एवं हिमांशु व्यास द्वारा सर्टिफिकेट देकर सम्मानित किया गया।

जोधपुर, रविवार 01 मार्च, 2020

# City भास्कर



एम्स के  
ऑरॉ 2020  
युवा शाइरों ने  
सुनाई अपनी  
रचनाएं  
आज परफॉर्म  
करेंगे बॉलीवुड  
सिंगर केके

## तुम अपनी हथेलियों की गुलाबी मेरे गालों को दे देना, लेकिन मेरी पलकों को अछूता रखना

### MEDIFEST 2020

सिटी रिपोर्टर . जोधपुर

एम्स में चल रहे परिचामी भारत का सबसे बड़ा मेडफेस्ट ऑरॉ 2020 में दूसरे दिन शुक्रवार को इजहार की ओर से यूथ स्पोकन फेस्ट हुआ। इसमें युवा शाइरों की शायरियों व गजल की महफिल सजी। इस मेडफेस्ट का मीडिया पार्टनर दैनिक भास्कर है।

ऑडिटोरियम हॉल के मंच पर बाइमेर के युवा शायर अभिजीत शर्मा ने शुरुआत की, 'मां के कदमों में फलक बिछा हुआ है, एड़ी की दरारों में सितारे फंसे हैं...' सुनाकर कर दिल जीत लिया। गीतकार व कवयित्री आयुषी राखेचा ने 'फूलों का तबस्सुम तुम, कलियों की अदा लिखना...' सुनाई तो फर्रुखाबाद के शायर वासु पांडेय ने 'इश्क के मुमकिन पूछ रहे हैं, पहली गर्दन देगा कौन? अब तो दोनों हाथ उठाकर बोल, मोहब्बत जिंदाबाद...' सुनाया तो खूब दाद मिली। मध्यप्रदेश के गीतकार अभिषेक जैन सागर ने 'भले तुम आरती बनकर सजी बैठी हो थाली में, जो मेरी हो अगर पूजा तो फिर अभिषेक हैं हम तो...' सुनाकर श्रोताओं को मंत्रमुग्ध कर दिया। श्रोताओं में और जोश भरने के लिए आईआईटी जोधपुर के स्टूडेंट कवि वैभव वैष्णव ने 'मेरी सारी हिंदी कविता का कारण है जो एक लड़की, अंग्रेजी के दस शब्दों को एक सांस में बोला करती हैं कहते हुए 'पहले गुस्सा वुस्सा करती हैं, फिर रोना धोना करती हैं, मुझ जैसे सीधे ब्राह्मण पर जादू टोना करती हैं...' से श्रोताओं को खूब गुदगुदाया। ताने ऑडियंस की ओर से एक और सुनाने की डिमांड होने पर वैष्णव ने 'दाएं-बाएं कोई मोड़ नहीं है इसमें, इसकी मंजिल का नाम हम रखा है...' सुनाकर माहौल को रंगीनी दी। फिल्मकार व गद्य लेखक विमल घोड़ेवर ने 'प्रेम एक प्रगतिशील शहर है और मैं एक आदिवासी...' सुनाया। कवि पीयूष पांडेय ने 'सैगटों की तरह



दूब उग आती है, हाथों पे तुम्हारे जब मैं चूमता हूँ तुम्हें...' सुनाया तो तालियों की गड़गड़ाहट से ऑडिटोरियम हॉल गुंज उठा। हाईकोर्ट वकील व लेखिका शोभा पहली बार मंच पर आई और सुनाया 'तुम अपनी हथेलियों की गुलाबी मेरे गालों को दे देना, लेकिन मेरी पलकों को अछूता रखना। मंच संचालन शिवांग त्रिवेदी ने किया। देर रात बैटल्स ऑफ बैड्स की परफॉर्मस हुई।

### आज रात 8 बजे से केके लाइव इन कॉन्सर्ट

मेडफेस्ट ऑरॉ 2020 में रविवार शाम 8 बजे बॉलीवुड नाइट में स्टेज शो करने के लिए केके अपनी परफॉर्मंस देगे जहां पर स्टूडेंट्स केके को सुनने के साथ मस्ती कर झूमेंगे।

### 50 से अधिक कॉलेजों के स्टूडेंट्स ले रहे हैं 150 इवेंट्स में हिस्सा

इस मेडफेस्ट में राजस्थान, महाराष्ट्र, गुजरात व हरियाणा की 50 से अधिक कॉलेजों के स्टूडेंट्स हिस्सा ले रहे हैं। ऑरॉ में सोलो सिंगिंग, हिंदी डेबिट, पेटिंग, पोएट्री, स्मॉर्ट्स क्विज, इंग्लिश डेबिट, स्क्रैचिंग, जनरल मेडिकल क्विज, नुक्कड़, बेस्ट आउट ऑफ वेस्ट, ड्यूएट सिंगिंग, अंडरग्राउंड अर्थोर्टी, इंस्ट्रूमेंटल आदि इवेंट भी हो रहे हैं।

