



## **ANNUAL REPORT**

**2018–19**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
JODHPUR**



**Prof. Sanjeev Misra**

MS, MCh, FRCS (Eng.), FRCS (Glasgow),  
FICS, FACS (USA), FAMS, FNASc.

**Director & CEO**

Prof. of Surgical Oncology



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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 2018-2019.*

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

*The institute began its academic journey on 17<sup>th</sup> September 2012 with the mission to excel as a centre for medical education & training, patient care and research. During our seven years of existence, 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 2013 batch completed their internship and passed out of the institute. As with the first batch of 2012, many students of second batch have secured admission in post graduate programs at Institutes of National Importance such as AIIMS, PGIMER, Chandigarh, etc. The second batch of B.Sc. nursing also passed out this year and many of them are pursuing post graduation in various AIIMS. One of the B.Sc. nursing student secured first position in the M.Sc. Entrance examination conducted by AIIMS, Delhi. A large number of students joined our post graduate and super speciality programs, a testimony to the fact 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, also admitted its third batch of Master of Public Health (MPH) students.*

*OPD consultations have grown to more than 7 lakhs this year when compared to nearly 3 lakhs in the previous year. Similarly, the IPD admissions were 44,175 this year, as compared to 22,040 in 2017-2018. AIIMS Jodhpur has also started robotic surgery, besides performing complex surgical procedures this year. The number of operative procedures and lab investigations also increased in the year 2018-19..*

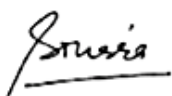
*AIIMS Jodhpur is also the mentor institute of AIIMS Gorakhpur. Under the guidance of AIIMS Jodhpur, AIIMS Gorakhpur has started OPD services on 24<sup>th</sup> February 2019 which was inaugurated by Shri Narendra Damodardas Modi, the Hon'ble Prime Minister of India. The institute also admitted the first batch of MBBS students this year.*

*Faculty members obtained 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.*

*Swedish delegation led by Ms Lena Hallengren, Hon'ble Minister for Health & Social Affairs, Government of Sweden, and a delegation from Japan International Cooperation Agency visited AIIMS, Jodhpur this year. AIIMS Jodhpur hosted various international and national conferences which were attended by eminent speakers and delegates from all over the world. We also contributed to social welfare through public awareness lectures conducted regularly on common and important health issues.*

*The institute continues to fulfill its responsibility towards the people of the region by providing quality and affordable health care. AIIMS Jodhpur has been thoroughly supported by the Ministry of Health and Family Welfare, Government of India. We owe our steady progress in manpower, resources, facilities and infrastructure to this support. Government of Rajasthan and Local authorities have also been very supportive in all our endeavours. AIIMS Jodhpur looks forward to continuing this growth in the years to come and meet the expectations of the nation by excelling in medical education, research and patient care with the continued support and guidance of Govt. of India.*

*This Annual report is a testament to the progress of AIIMS Jodhpur during 2018-19.*



Prof. Sanjeev Misra

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# **Institutional Bodies**





## Institute Body








1	<p><b>Shri Jagat Prakash Nadda</b> Minister of Health &amp; Family Welfare Government of India President of the Institute</p>	
2	<p><b>Shri Gajendra Singh Shekhawat</b> Member of Parliament Lok Sabha</p>	
3	<p><b>Dr. Manoj Rajoria</b> Member of Parliament Lok Sabha</p>	
4	<p><b>Ms. Preeti Sudan</b> Secretary, MoHFW</p>	
5	<p><b>Ms. Vijaya Srivastava</b> SS&amp;FA, MoHFW (till 31/10/2018)</p>	
6	<p><b>Dr. Dharmendra Singh Gangwar</b> AS &amp; FA (From 01/11/2018)</p>	
7	<p><b>Dr. B. D. Athani</b> DGHS, MoHFW (till 01/04/2018)</p>	

8	<b>Dr. Promila Gupta</b> DGHS, MoHFW (From 02/04/2018 to 15/07/2018)	
9	<b>Dr. S. Venkatesh</b> DGHS, MoHFW (16/07/2018 onwards)	
10	<b>Shri Nihal Chand Goyal</b> Chief Secretary (till 30/04/2018) Govt. of Rajasthan	
11	<b>Shri D. B. Gupta</b> Chief Secretary (01/05/2018 onwards) Govt. of Rajasthan	
12	<b>Prof. Raja Babu Panwar</b> Vice Chancellor, RUHS Jaipur	
13	<b>Prof. C. V. R. Murty</b> Director I.I.T, Jodhpur	
14	<b>Shri Rakesh Kacker</b> Former Secretary Ministry of Food Processing	
15	<b>Prof. Pankaj Chaturvedi</b> Tata Memorial Centre Mumbai, Maharashtra	

16	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	
17	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	
18	<b>Prof. S. K. Acharya</b> Ex-Professor AIIMS, New Delhi	
19	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	
20	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur Member Secretary	

## Governing Body

1	<p><b>Shri Jagat Prakash Nadda</b> Minister of Health &amp; Family Welfare Government of India President of the Institute</p>	
2	<p><b>Dr. Manoj Rajoria</b> Member of Parliament Lok Sabha</p>	
3	<p><b>Ms. Preeti Sudan</b> Secretary, MoHFW</p>	
4	<p><b>Ms. Vijaya Srivastava</b> SS&amp;FA, MoHFW (Upto 31/10/2018)</p>	
5	<p><b>Dr. Dharmendra Singh Gangwar</b> AS &amp; FA (From 01/11/2018)</p>	
6	<p><b>Dr. B. D. Athani</b> DGHS, MoHFW (till 01/04/2018)</p>	
7	<p><b>Dr. Promila Gupta</b> DGHS, MoHFW (From 02/04/2018 to 15/07/2018)</p>	

8	<b>Dr. S. Venkatesh</b> DGHS, MoHFW (16/07/2018 onwards)	
9	<b>Shri Nihal Chand Goyal</b> Chief Secretary (till 30/04/2018) Govt. of Rajasthan	
10	<b>Shri D. B. Gupta</b> Chief Secretary (01/05/2018 onwards) Govt. of Rajasthan	
11	<b>Prof. Raja Babu Panwar</b> Vice Chancellor, RUHS Jaipur	
12	<b>Shri Rakesh Kacker</b> Former Secretary Ministry of Food Processing	
13	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	
14	<b>Prof. Sanjeev Misra</b> Director, AIIMS Jodhpur Member Secretary	

## Standing Finance Committee

1	<b>Ms. Preeti Sudan</b> Secretary, MoHFW	Chairman
2	<b>Shri Gajendra Singh Shekhawat</b> Member of Parliament Lok Sabha	Member
3	<b>Ms. Vijaya Srivastava</b> SS&FA, MoHFW (Till 31/10/2018)	Member
4	<b>Dr. Dharmendra Singh Gangwar</b> AS & FA (From 01/11/2018)	Member
5	<b>Shri Nihal Chand Goyal</b> Chief Secretary (till 30/04/2018) Govt. of Rajasthan	Member
6	<b>Shri D. B. Gupta</b> Chief Secretary (01/05/2018 onwards) Govt. of Rajasthan	Member
7	<b>Dr. B. D. Athani</b> DGHS, MoHFW (till 01/04/2018)	Member
8	<b>Dr. Promila Gupta</b> DGHS, MoHFW (From 02/04/2018 to 15/07/2018)	Member
9	<b>Dr. S. Venkatesh</b> DGHS, MoHFW (16/07/2018 onwards)	Member
10	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	Member
11	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	Member
12	<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	<b>Dr. B. D. Athani</b> DGHS, MoHFW (till 01/04/2018)	Member
3	<b>Dr. Promila Gupta</b> DGHS, MoHFW (From 02/04/2018 to 15/07/2018)	Member
4	<b>Dr. S. Venkatesh</b> DGHS, MoHFW (16/07/2018 onwards)	Member
5	<b>Prof. C. V. R. Murty</b> Director, I.I.T, Jodhpur	Member
6	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	Member
7	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	Member
8	<b>Prof. S. K. Acharya</b> Ex-Professor AIIMS, New Delhi	Member
9	<b>Prof. Nikhil Tandon</b> AIIMS, New Delhi	Member
10	<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. C. V. R. Murty</b> Director I.I.T, Jodhpur	Member
3	<b>Prof. Pankaj Chaturvedi</b> Tata Memorial Centre Mumbai, Maharashtra	Member
4	<b>Dr. G. N. Rao</b> L. V. Prasad Eye Care Centre Hyderabad, Andhra Pradesh	Member
5	<b>Dr. S. Ayyappan</b> Former Secretary DAR, ICAR	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 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

## Engineering



**Superintending Engineer**  
Er. R.K. Joshi (Till 30/11/2018)



**Executive Engineer (Civil)**  
Er. Sunil Mathur  
(Additional Charge of SE from 01/12/2018)



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



**Office Bearers  
at  
AIIMS Jodhpur**



## Academics



	<b>Name</b>	<b>Designation</b>
1	Dr. Kuldeep Singh	Dean
2	Dr. Shilpi Gupta Dixit	Vice Dean
3	Dr. Abhishek Bhardwaj	Sub Dean
4	Dr Vikram Singh	Assistant Dean
5	Dr. Nitin Bajpai	Assistant Dean
6	Dr. Pradeep Dwivedi	Assistant Dean
7	Mr. Manish Kumar Srivastava	Registrar

## Examinations



	<b>Name</b>	<b>Designation</b>
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	Mr. Ashok Kumar	Assistant Dean



## Research



	<b>Name</b>	<b>Designation</b>
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



	<b>Name</b>	<b>Designation</b>
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



	<b>Name</b>	<b>Designation</b>
1	Dr. Arvind Sinha	Medical Superintendent
2	Dr. Vivek Manchanda	Deputy Medical Superintendent
3	Dr. Naveen Dutt	Deputy Medical Superintendent
4	Dr. Mahaveer Singh Rodha	Deputy Medical Superintendent



## Milestones

10 <sup>th</sup> April 2018	:	Initiation of Robotic Surgery at AIIMS Jodhpur
16 <sup>th</sup> July 2018	:	1 <sup>st</sup> Central Institute Body Meeting
08 <sup>th</sup> to 17 <sup>th</sup> September 2018	:	'Tejas' Inter-batch sports festival
2 <sup>nd</sup> December 2018	:	Annual Day
2 <sup>nd</sup> December 2018	:	5 <sup>th</sup> Academic Committee Meeting
10 <sup>th</sup> December 2018	:	2 <sup>nd</sup> Central Institute Body Meeting
22 <sup>nd</sup> January 2019	:	1 <sup>st</sup> Convocation
22 <sup>nd</sup> January 2019	:	Laying of Foundation Stone of 100 Type-V Housing Quarters, Girls Hostel, Boys Hostel, and Central Animal Facility by Shri J P Nadda, Hon'ble Minister of Health and Family Welfare, Government of India
22 <sup>nd</sup> January 2019	:	Inauguration of Emergency and Trauma, Radiology, Oncology Blocks and AYUSH Building by Shri J P Nadda, Hon'ble Minister of Health and Family Welfare, Government of India
24 <sup>th</sup> January 2019	:	3 <sup>rd</sup> Central Institute Body Meeting
23 <sup>rd</sup> and 24 <sup>th</sup> February 2019	:	Visit of Swedish Delegation
01 <sup>st</sup> to 4 <sup>th</sup> March 2019	:	'Aura' Inter College Festival
19 <sup>th</sup> March 2019	:	3 <sup>rd</sup> Institute Body & Governing Body Meeting
29 <sup>th</sup> March 2019	:	5 <sup>th</sup> Standing Finance Committee Meeting



# Hospital Services





## Hospital Services

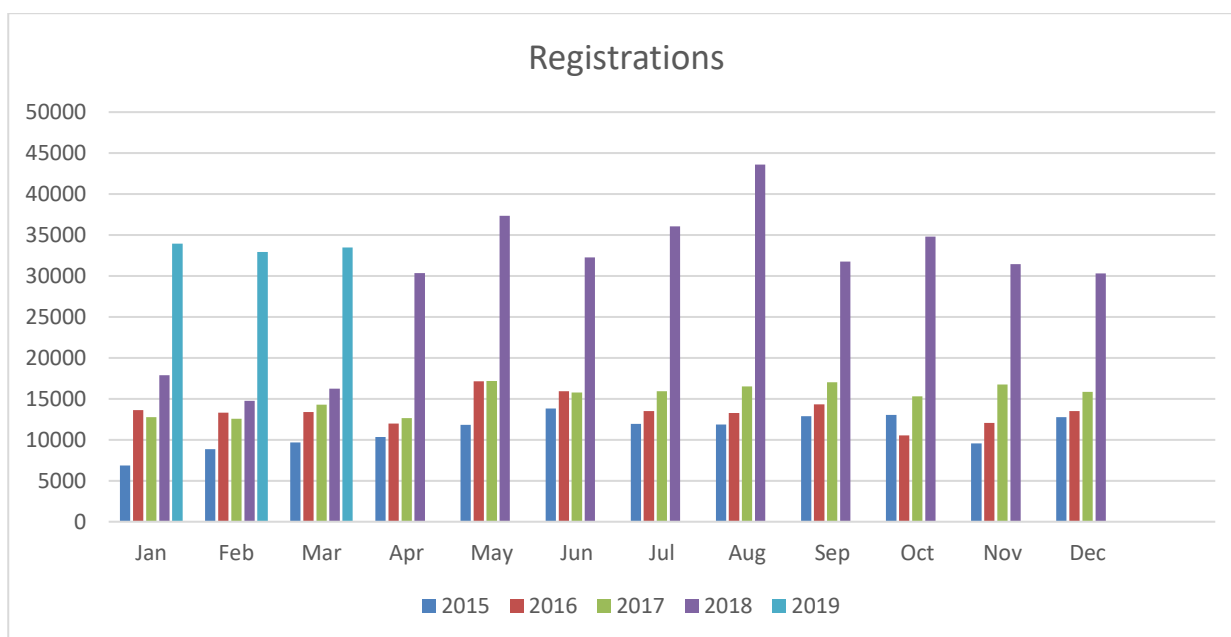
AIIMS OPD services have grown tremendously since its inception in 2013. IPD services began in the year 2014. The positive patient feedback regarding quality of care and cleanliness of the hospital has been very heartening for us. The institute has also started speciality and superspeciality clinics to serve the patients. Presently the hospital provides specialized care through the departments of Neonatology, Pediatric Surgery, Oncology, Oncosurgery, Neurology, Neurosurgery, Cardiology, Cardiac surgery, Pulmonology, Endocrinology, Surgical Gastroenterology and Pediatric Nephrology. As continuing with the previous trend, OPD attendance, IPD admissions and surgical and non-surgical interventions have shown a growing trend in the year 2018-2019.

We have also started complex medical surgical procedures such as advanced laparoscopic & minimal invasive surgeries like Partial Nephrectomy, Hernia, Radical Cystectomy, VVF repair, Wertheim hysterectomy. Robotic surgery also commenced in the month of April thus facilitating performance of intricate surgical procedures thus reducing patient morbidity and duration of hospital stay. Complex surgeries like hip and knee replacements, open heart surgeries, neurosurgeries, gastrointestinal surgeries, thoracoscopic procedures, endourological procedures, major malignancy procedures, cochlear implant, joint replacement surgeries, advanced gynaecological procedures are also being carried out at our institute.

We have shown a steady growth in the healthcare services being catered and will continue to raise the benchmark established by us in the previous years.

### 1. Registrations

The new OPD registrations increased in the year. A total 4,08,282 of new patients were registered in the year 2018-19 as compared to 3,12,762 patients registered in the previous year.



S. No	Year	Total No. of Registration
1.	2013-14	34884
2.	2014-15	86404
3.	2015-16	148831
4.	2016-17	233514
5.	2017-18	312762
6.	2018-19	408282

S. No	Month	Total Registration
1.	April – 18	30361
2.	May – 18	37334
3.	June – 18	32262
4.	July – 18	36054
5.	August -18	43587
6.	Sep – 18	31750
7.	Oct – 18	34811
8.	Nov – 18	31454
9.	Dec – 18	30317
10.	Jan – 19	33953
11.	Feb – 19	32924
12.	March - 19	33475

## 2. OPD Consultations

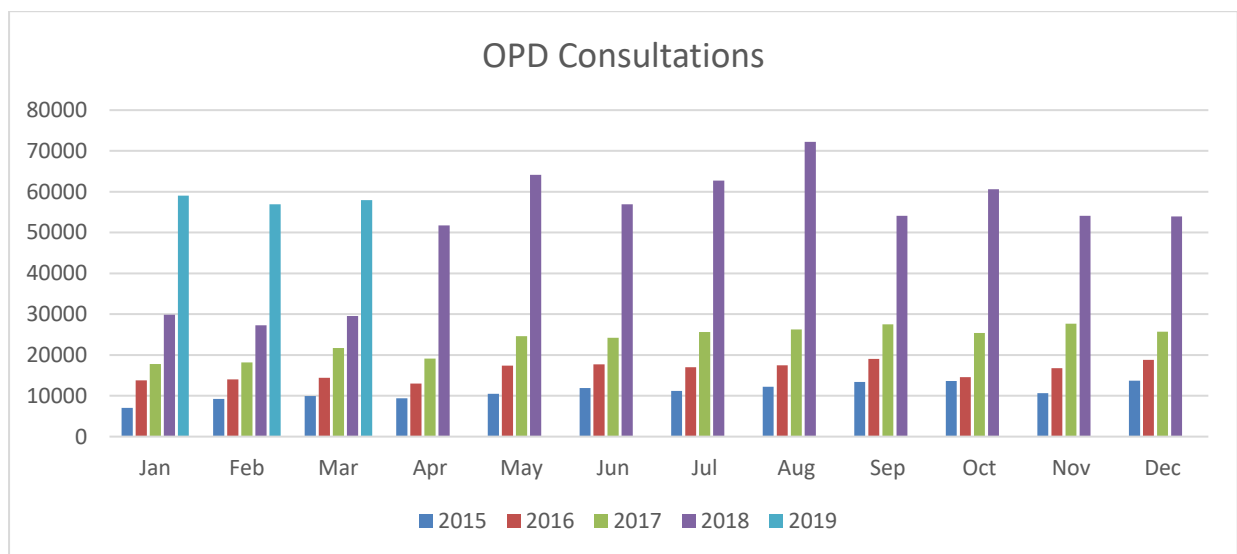
The OPD consultations increased in the year 2018-19 as compared to the previous year. A total of 7,04,391 OPD consultations were done from April 2018 to March 2019 as compared to 3,12,762 consultations in the preceding year.

### Number of functional Departments: General Specialties

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

**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



S. No	Month	Total OPD Consultation (New + Follow up)
1.	April – 18	51718
2.	May – 18	64175
3.	June – 18	56902
4.	July – 18	62969
5.	August -18	72231
6.	Sep – 18	54113
7.	Oct – 18	60595
8.	Nov – 18	54102
9.	Dec – 18	53924
10	Jan – 19	59080
11	Feb – 19	56896
12	March -19	57959

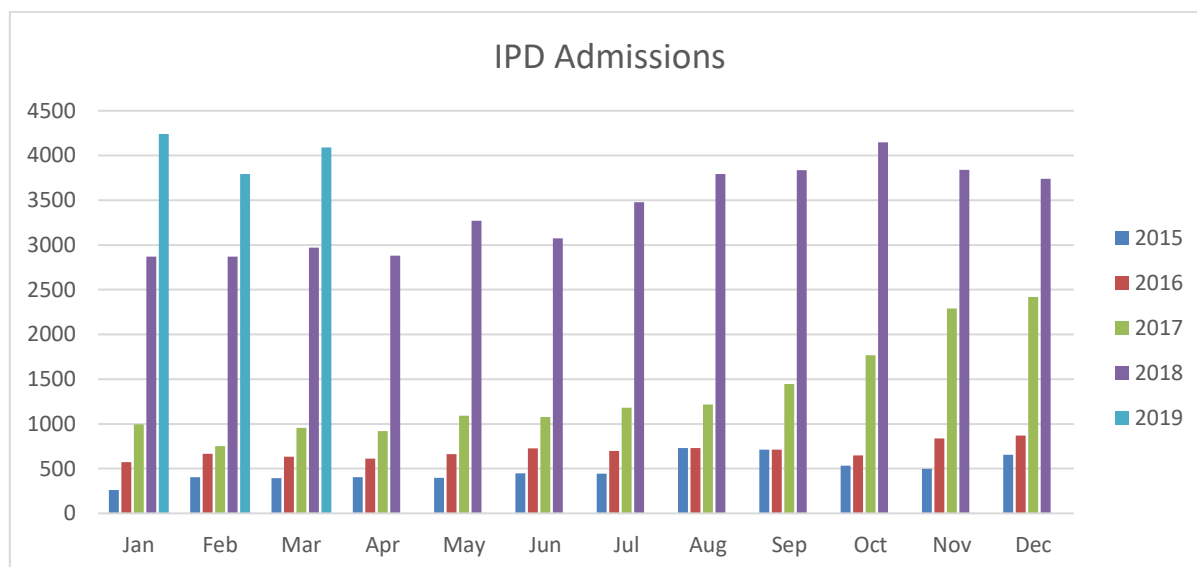
S. No	Year	Total OPD Consultation
1.	2013-14	34884
2.	2014-15	86404
3.	2015-16	148831
4.	2016-17	233514
5.	2017-18	312762
6.	2018-19	704391 (New + Follow up)

### 3. IPD Beds

**Current Bed Strength – 708 with 19 beds in ICU  
(7 bed AICU & 6 bed each in PICU & NICU)**

Hospital Information Service (HIS) for IPD was started in Feb 2014. This Institute is the First Government Hospital of India to have complete paperless HIS for both OPD and IPD, more beds were also added to IPD. There were 620 beds in 2017-18 which have increased to 708 as on 2018-19.

### 4. IPD Admissions



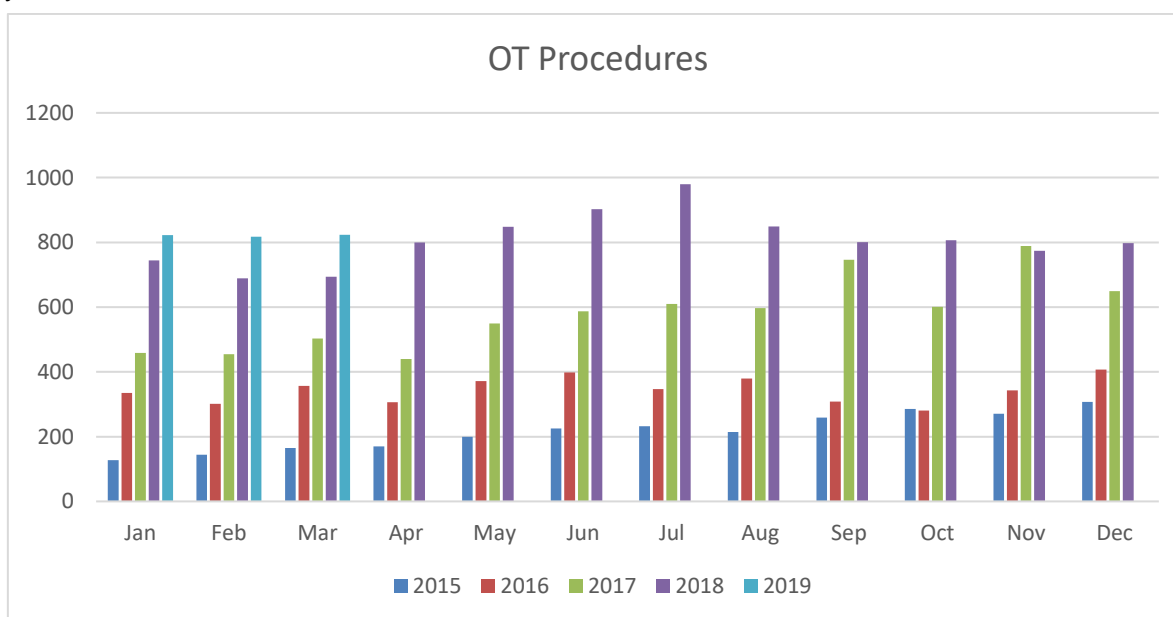
The number of patients that are catered to through IPD increased in the year 2018-19. Total 44,175 patients were admitted in the institute during the year 2018-19 vs 22,040 during Previous year.

S. No	Year	Total IPD Admission
1.	2014-15	2316
2.	2015-16	6298
3.	2016-17	9202
4.	2017-18	22040
5.	2018-19	44175

S. No	Month	Total IPD Admission
1.	April – 18	2879
2.	May – 18	3271
3.	June – 18	3073
4.	July – 18	3477
5.	August -18	3793
6.	Sep – 18	3835
7.	Oct – 18	4146
8	Nov – 18	3841
9.	Dec – 18	3739
10	Jan – 19	4239
11	Feb – 19	3793
12	March -19	4089

## 5. OT Procedures

The institute has been catering to increasing number of patients through the operation theatres. 4,642 major OT procedures were performed in the year 2017-18 that increased to 7,696 in the year 2018-19.



S. No	Year	Total OT Procedures
1.	2014-15	916
2.	2015-16	3157
3.	2016-17	4558
4.	2017-18	7696
5.	2018-19	10023

<b>S. No</b>	<b>Month</b>	<b>Total OT Procedures</b>
1.	April – 18	800
2.	May – 18	848
3.	June – 18	903
4.	July – 18	980
5.	August -18	849
6.	Sep – 18	801
7.	Oct – 18	807
8	Nov – 18	774
9.	Dec – 18	798
10	Jan – 19	822
11	Feb – 19	818
12	March -19	823

#### Department-wise Number of Operations done every year

<b>S.No.</b>	<b>Department</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019 (Till 31.03.2019)</b>	<b>Total</b>
1	General Surgery	166	939	1167	1437	357	1783	<b>5849</b>
2	Ophthalmology	0	150	524	997	246	3453	<b>5370</b>
3	Paediatric Surgery	73	306	533	711	204	3230	<b>5057</b>
4	Obstetrics and Gynaecology	63	286	423	740	243	1313	<b>3068</b>
5	Urology	0	0	302	1089	252	1513	<b>3156</b>
6	Orthopaedics	53	335	452	603	200	2570	<b>4213</b>
7	Otorhinolaryngology	64	304	488	559	171	2820	<b>4406</b>
8	Oncosurgery	13	83	100	119	46	829	<b>1190</b>
9	Dentistry	11	30	79	120	37	709	<b>986</b>
10	Psychiatry	0	0	0	155	104	39	<b>298</b>
11	Plastic Surgery	0	0	0	128	81	677	<b>886</b>
12	Gastrointestinal Surgery	0	0	0	193	46	717	<b>956</b>
13	Neuro Surgery	0	0	0	51	62	1374	<b>1487</b>
14	Physical Medicine & Rehabilitation	35	108	19	0	0	0	<b>162</b>
15	Anaesthesiology and Critical Care	0	17	6	21	32	135	<b>211</b>

16	Dermatology	0	0	6	32	25	46	<b>109</b>
17	Cardiothoracic Surgery	0	0	0	18	13	211	<b>242</b>
18	Pulmonary Medicine	0	0	8	11	2	4	<b>25</b>
19	Nephrology	0	0	21	7	0	15	<b>43</b>
	<b>TOTAL</b>	<b>478</b>	<b>2558</b>	<b>4128</b>	<b>6991</b>	<b>2120</b>	<b>21443</b>	<b>37714</b>

## 6. Emergency Services

Since the initiation of emergency services from 30<sup>th</sup> September 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 floor with 27 emergency beds with round the clock medical support and backup.

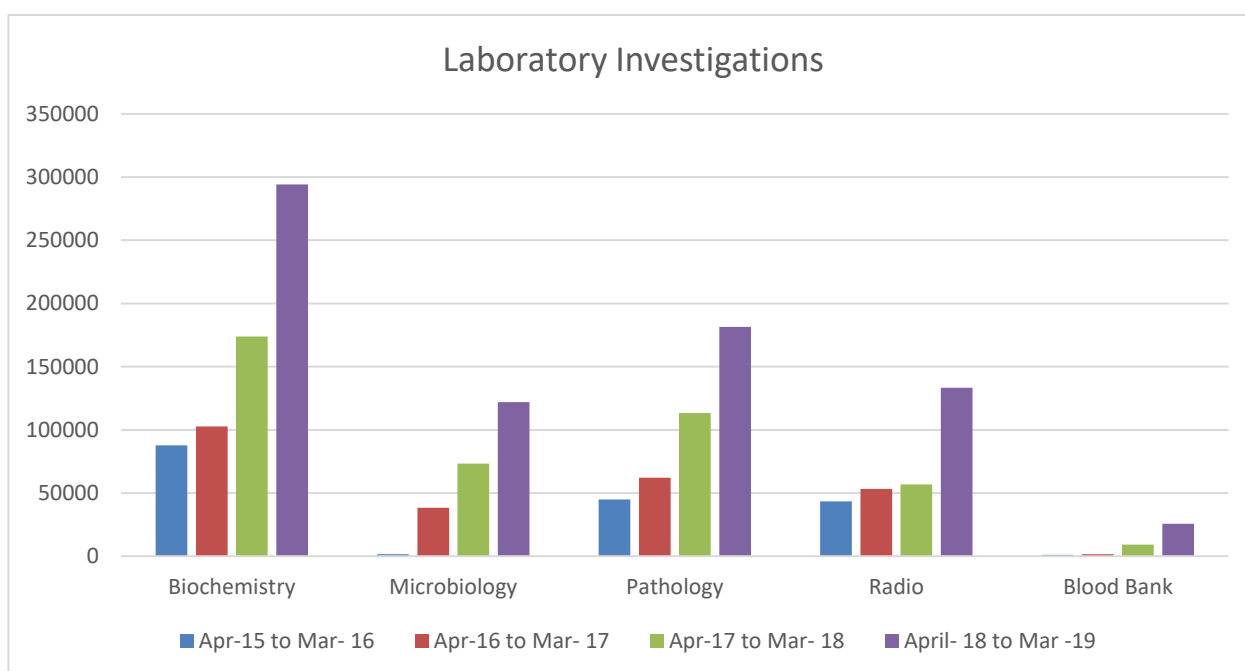
### Total no. and Month wise patients.

S.No	Month	Total Number of Patients
1	Oct – 17	527
2	Nov – 17	652
3	Dec – 17	857
4	Jan - 18	1081
5	Feb – 18	1197
6	Mar – 18	1320
7.	April -18	1186
8	May – 18	1342
9	June – 18	1188
10	July – 18	1441
11	August – 18	1697
12	September – 18	1784
13	October- 18	1898
14	November – 18	1859
15	December- 18	1711
16	January – 19	2004
17	February – 19	1771
18	March – 19	1924

Sr. No	Month	Medicine	Surgery	Pediatric	Orthopedic	Psychiatry	Dental	Radiology	ENT	Total
1	April- 18	515	338	203	129	0		0	01	1186
2	May - 18	597	380	230	133	1	0	1	0	1342
3	June – 18	514	344	185	145	0	0	0	0	1188
4	July -18	639	412	258	132	0	0	0	0	1441
5	Aug – 18	775	428	345	148	0	1	0	0	1697
6	Sep – 18	724	428	464	168	0	0	0	0	1784
7	Oct – 18	838	412	491	157	0	0	0	0	1898
8	Nov – 18	874	397	455	133	0	0	0	0	1859
9	Dec – 18	766	400	422	130	0	0	0	0	1711
10	Jan – 19	920	431	520	133	0	0	0	0	2004
11	Feb -18	836	426	384	125	0	0	0	0	1771
12	Mar- 19	859	384	546	135	0	0	0	0	1924

## 7. Laboratory Investigations

The laboratory investigations also showed a proportionate increase in demand and services offered. 7,46,406 investigations were done during 2018-19 as compared to 4,26,311 investigations performed in the previous year.





### Investigations

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

#### 8. 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.

S. No.	Month	No. of Vol. Donation	No. of Blood issued	No. of Therapeutic Plasma Exchange	No. of Camps Conducted
1	Apr – 18	230	418	5	3
2	May – 18	210	389	6	2
3	June–18	245	1023	8	4
4	July – 18	233	531	10	4
5	Aug – 18	319	626	5	6
6	Sep – 18	275	499	3	5
7	Oct – 18	206	573	6	3
9	Nov – 18	306	757	15	3
10	Dec – 18	266	543	8	4
11	Jan – 19	264	509	11	3
12	Feb – 19	303	496	9	3
13	Mar -19	269	556	2	3
	<b>Total</b>	<b>3126</b>	<b>6920</b>	<b>88</b>	<b>43</b>



# **1<sup>st</sup> Convocation**



## **1<sup>st</sup> Convocation, AIIMS Jodhpur (22<sup>nd</sup> January 2019)**

The first convocation of All India Institute of Medical Sciences, Jodhpur was held on 22<sup>nd</sup> January 2019 at the Auditorium of AIIMS, Jodhpur. The Chief Guest of the function was Shri Jagat Prakash Nadda, Hon'ble Minister for Health & Family Welfare, Govt. of India. The Guests of Honour were Shri Gajendra Singh Shekhawat, Hon'ble Minister of State for Agriculture & Farmers' Welfare, Govt. of India; Shri P. P. Chaudhary, Hon'ble Minister of State for Law & Justice and Corporate Affairs, Govt. of India, Shri Narayan Lal Panchariya, Hon'ble Member of Parliament, Rajya Sabha, Shri Ram Narain Dudi, Hon'ble Member of Parliament, Rajya Sabha and Prof. S.C. Sharma, President, AIIMS, Jodhpur.

Prof. Sanjeev Misra, Director AIIMS, Jodhpur welcomed the dignitaries and presented progress report of the institute in his opening address. Prof. S.C. Sharma, President, AIIMS, Jodhpur congratulated the Director and faculty of AIIMS Jodhpur for the tremendous advances made in teaching, patient care and research in a short time span of seven years in his address. He wished the institute all success in the future endeavors.

The Hon'ble Minister for Health & Family Welfare, Govt. of India, Shri Jagat Prakash Nadda echoed similar sentiments and congratulated the institute for setting a new benchmark in medical education and patient care. He awarded degrees and medals to meritorious MBBS and B.Sc. Nursing students of the institute. He was accompanied by Shri Gajendra Singh Shekhawat, Shri P. P. Chaudhary, Shri Narayan Lal Panchariya, Shri Ram Narain Dudi and Prof. S.C. Sharma, President, AIIMS Jodhpur.

Shri Jagat Prakash Nadda, Hon'ble Minister for Health & Family Welfare, Govt. of India inaugurated the Trauma & Emergency Block, Radiology Block, Oncology Block, AYUSH, and Auditorium building. Foundation stone was also laid for 100 Type-V Housing Quarters, Girls Hostel, Boys Hostel, and Central Animal Facility in the presence of esteemed dignitaries. The dignitaries addressed the audience and laid emphasis on the pivotal role played by doctors in the community. The vote of thanks was proposed by Dean Academics, Prof. Kuldeep Singh.



Dignitaries on the dias



Lamp lighting ceremony by dignitaries



Shri Jagat Prasad Nadda, Hon'ble Minister of Health and Family Welfare,  
Government of India addressing the gathering



Shri Gajendra Singh Shekhawat, Hon'ble Minister of State for Agriculture & Farmers' Welfare,  
Govt. of India addressing the gathering



Shri P. P. Chaudhary, Hon'ble Minister of State for Law & Justice and Corporate Affairs, Govt. of India addressing the gathering



Prof. S C Sharma, President AIMS Jodhpur addressing the audience





Director, AIIMS Jodhpur, Prof. Sanjeev Misra addressing the gathering



Award of degrees to students by Shri Jagat Prakash Nadda, Hon'ble Minister of Health and Family Welfare, Government of India



Laying of foundation stone of 100 Type-V Housing Quarters, Girls Hostel, Boys Hostel, and Central Animal Facility by Shri J P Nadda, Hon'ble Minister of Health and Family Welfare, Government of India and other dignitaries

# **Annual Day Celebration**



## 6<sup>th</sup> Annual Day Celebration (2<sup>nd</sup> December 2018)

The 6<sup>th</sup> Annual Day was celebrated on 2<sup>nd</sup> December 2018 at AIIMS Jodhpur. The Chief Guest of the function was Prof. S. C. Sharma, President AIIMS Jodhpur. Guest of honour were Prof. S. K. Acharya, President, AIIMS Bhubaneswar and Chairman Academic Committee, AIIMS Jodhpur, Prof. C.V.R. Murty, Director, IIT Jodhpur and Prof. Nitin M. Nagarkar, Director, AIIMS Raipur.

Prof. S. C. Sharma addressed the gathering wherein he was very appreciative of the progress made by AIIMS Jodhpur in such a short span of time. He applauded the achievements of the Institute and the progress made in medical innovations in collaboration with other institutes. He congratulated all the faculty, students and staff for their dedication towards achieving the goals and striving toward the institutional mandate. Prof. C.V.R. Murty described the unique opportunity of collaboration between two institutes, IIT and AIIMS Jodhpur. He envisioned the development of a joint centre for Healthcare Technologies with special focus on development of novel devices and products patient diagnostics and treatment. Prof. Nitin M. Nagarkar, appreciated AIIMS Jodhpur for its accomplishments in patient care, education and research.

Director, Prof. Sanjeev Misra, presented the annual report. Prof. Kuldeep Singh, Dean (Academics), Prof. Praveen Sharma, Dean (Research), Prof. Surajit Ghatak, Dean (Student Welfare), Mr. N. R. Bishnoi, Deputy Director (Administration), Heads of Departments, Faculty members, engineering section, staff and students were also present on the occasion. The new issue of the institute's newsletter "Rohida-the Communique" was also released.

The Chief Guest gave awards, medals and certificates to meritorious students. Students who were awarded ICMR STS fellowship were also felicitated. The award ceremony was followed by the cultural function by the medical students.

The list of award winners are as follows:

### Final professional:

- i) Amrutha Varshini R
  1. Gold medal for best all round student (girls)
  2. Director's Gold medal
  3. Gold medal for the best girl student in final MBBS examination
  4. Book prize for standing first
  5. Gold medal in Surgery
  6. Gold medal in obstetrics and Gynaecology
  7. Gold medal in Community Medicine and Family Medicine
  8. Certificate of honour in Medicine
  9. Certificate of honour in Surgery
  10. Certificate of honour in Obstetrics And Gynaecology
  11. Certificate of honour in Paediatrics
  12. Certificate of honour in Community Medicine And Family Medicine
  13. Gold medal in Basic and Medical Sciences
  14. Gold medal in Basic and Surgical Sciences

15. Gold medal in Surgical Specialities
16. Gold medal Paediatrics, Obstetrics And Gynecology And In Community Medicine and Family Medicine
17. Gold medal in Clinics

ii) Ankit Kumar Rai

1. Gold medal for best all round student (boys)
2. Director's silver medal
3. Book prize for standing second
4. Gold medal in Medicine
5. Gold medal in Paediatrics
6. Certificate of honour in Medicine
7. Certificate of honour in Surgery
8. Certificate of honour in Obstetrics And Gynaecology
9. Certificate of honour in Paediatrics
10. Certificate of honour in Community Medicine And Family Medicine

iii) R. Vaishali

1. Gold medal in Medicine
2. Certificate of honour in Medicine
3. Certificate of honour in Surgery
4. Certificate of honour in Community Medicine and Family Medicine

iv) Rajat Ranka

1. Certificate of honour in Medicine
2. Certificate of honour in Paediatrics

v) Aaditya Katyal

1. Certificate of honour in Medicine
2. Certificate of honour in Surgery
3. Certificate of honour in Paediatrics
4. Certificate of honour in Community Medicine and Family Medicine

vi) Divya Tarachandani

1. Certificate of honour in Medicine

vii) Shefali

1. Certificate of honour in Surgery

viii) Komal Suvarna

1. Certificate of honour in Obstetrics and Gynaecology

- ix) Gunjan Sanwal
  - 1. Certificate of honour in Obstetrics and Gynaecology
- x) Anita Kumari
  - 1. Certificate of honour in Obstetrics and Gynaecology
- xi) Sonam Berwa
  - 1. Certificate of honour in Paediatrics
- xii) Lokesh Kumar
  - 1. Certificate of honour in Community Medicine and Family Medicine

**2<sup>nd</sup> professional:**

- i) Anusha Mansinghka
  - 1. Director's gold medal
  - 2. Book prize for standing first
  - 3. Gold medal in Pathology
  - 4. Gold medal in Pharmacology
  - 5. Certificate of honour and a silver medal in Pathology
  - 6. Certificate of honour and a silver medal in Pharmacology
  - 7. Certificate of honour in Microbiology
  - 8. Certificate of honour in Forensic Medicine & Toxicology
- ii) Shivani Singh
  - 1. Director's gold medal
  - 2. Book prize for standing first
  - 3. Gold medal in Forensic Medicine & Toxicology
  - 4. Certificate of honour and a silver medal in Pathology
  - 5. Certificate of honour and a silver medal in Pharmacology
  - 6. Certificate of honour and a silver medal in Microbiology
  - 7. Certificate of honour and a silver medal in Forensic Medicine & Toxicology
- iii) Srijan Sinha
  - 1. Director's silver medal
  - 2. Book prize for standing second
  - 3. Gold medal in Pathology
  - 4. Certificate of honour and a silver medal in Pathology
  - 5. Certificate of honour and a silver medal in Pharmacology
  - 6. Certificate of honour and a silver medal in Microbiology
  - 7. Certificate of honour and a silver medal in Forensic Medicine & Toxicology

- iv) Garima Choudhary
  1. Gold medal in microbiology
  2. Certificate of honour and a silver medal in Pharmacology
  3. Certificate of honour and a silver medal in Microbiology
  4. Certificate of honour in Pathology
  5. Certificate of honour in Forensic Medicine & Toxicology
  
- v) Oshima Goyal
  1. Certificate of honour and a silver medal in Pharmacology
  2. Certificate of honour and a silver medal in Microbiology
  3. Certificate of honour in Pathology
  
- vi) Amit Ghosh
  1. Certificate of honour and a silver medal in Pharmacology
  2. Certificate of honour and a silver medal in Microbiology
  
- vii) Yashwant Kumar Virwadia
  1. Certificate of honour and a silver medal in Pharmacology
  2. Certificate of honour in Pathology
  3. Certificate of honour in Microbiology
  4. Certificate of honour in Forensic medicine & toxicology
  
- viii) Sah Aishwarya Kumari
  1. Certificate of honour and a silver medal in Pharmacology
  2. Certificate of honour in Pathology
  3. Certificate of honour in Microbiology
  
- ix) Sanjoli Aggarwal
  1. Certificate of honour and a silver medal in Pharmacology
  2. Certificate of honour and a silver medal in Microbiology
  3. Certificate of honour in Forensic Medicine & Toxicology
  
- x) Tushar Jain
  1. Certificate of honour and a silver medal in Microbiology
  2. Certificate of honour in Pharmacology
  
- xi) Kunal Kumar Kashi
  1. Certificate of honour and a silver medal in Microbiology
  2. Certificate of honour in Pathology
  3. Certificate of honour in Pharmacology



- xii) Monish Gupta
  - 1. Certificate of honour and a silver medal in Microbiology
  - 2. Certificate of honour in Pharmacology
  
- xiii) Kuldeep Soni
  - 1. Certificate of honour in Pharmacology
  
- xiv) Lavina Janu
  - 1. Certificate of honour in Pharmacology
  
- xv) Naman Sethia
  - 1. Certificate of honour in Pharmacology
  
- xvi) Shashikant Saini
  - 1. Certificate of honour in Microbiology
  - 2. Certificate of honour in Forensic medicine & toxicology
  
- xvii) Kunal Gehlot
  - 1. Certificate of honour in Microbiology
  
- xviii) Manvi Sharma
  - 1. Certificate of honour in Microbiology
  
- xix) Shubhangi Meena
  - 1. Certificate of honour in Microbiology

**1<sup>st</sup> professional:**

- i) Shraddha Baheti
  - 1. Director's gold medal
  - 2. Book prize for standing first
  - 3. Gold medal in Anatomy
  - 4. Gold medal in Biochemistry
  - 5. Certificate of honour and a silver medal in Anatomy
  - 6. Certificate of honour and a silver medal in Physiology
  - 7. Certificate of honour and a silver medal in Biochemistry
  
- ii) Anamika Singla
  - 1. Director's silver medal
  - 2. Book prize for standing second
  - 3. Gold medal in physiology
  - 4. Certificate of honour and a silver medal in Anatomy
  - 5. Certificate of honour and a silver medal in Physiology
  - 6. Certificate of honour and a silver medal in Biochemistry

- iii) Aadarsh Kumar
  - 1. Certificate of honour and a silver medal in Anatomy
  - 2. Certificate of honour and a silver medal in Physiology
  - 3. Certificate of honour and a silver medal in Biochemistry
  
- iv) Brajesh Kumar Meena
  - 1. Certificate of honour and a silver medal in Anatomy
  - 2. Certificate of honour and a silver medal in Physiology
  - 3. Certificate of honour and a silver medal in Biochemistry
  
- v) Eshan Kumar
  - 1. Certificate of honour and a silver medal in Anatomy
  - 2. Certificate of honour and a silver medal in Physiology
  - 3. Certificate of honour in Biochemistry
  
- vi) Rishik Dhawan
  - 1. Certificate of honour and a silver medal in Anatomy
  - 2. Certificate of honour and a silver medal in Physiology
  - 3. Certificate of honour and a silver medal in Biochemistry
  
- vii) Amisha
  - 1. Certificate of honour and a silver medal in Physiology
  - 2. Certificate of honour in Anatomy
  - 3. Certificate of honour in Biochemistry
  
- viii) Aryan Mechu
  - 1. Certificate of honour and a silver medal in Physiology
  - 2. Certificate of honour and a silver medal in Biochemistry
  - 3. Certificate of honour in Anatomy
  
- ix) Khushbu Agarwal
  - 1. Certificate of honour and a silver medal in Physiology
  - 2. Certificate of honour and a silver medal in Biochemistry
  - 3. Certificate of honour in Anatomy
  
- x) Narendra Choudhary
  - 1. Certificate of honour and a silver medal in Physiology
  
- xi) Divyansh Gupta
  - 1. Certificate of honour and a silver medal in Physiology
  - 2. Certificate of honour and a silver medal in Biochemistry
  - 3. Certificate of honour in Anatomy

- xii) Amit kumar Garg
  - 1. Certificate of honour and a silver medal in Physiology
  - 2. Certificate of honour and a silver medal in Biochemistry
  - 3. Certificate of honour in Anatomy
  
- xiii) Anuj Agnihotri
  - 1. Certificate of honour and a silver medal in Physiology
  
- xiv) Rajshree Yadav
  - 1. Certificate of honour in Anatomy
  - 2. Certificate of honour in Physiology
  
- xv) Dipesh Mittal
  - 1. Certificate of honour in Physiology
  
- xvi) Ankita Charan
  - 1. Certificate of honour in Physiology
  
- xvii) Himanshi Bhati
  - 1. Certificate of honour in Physiology
  
- xviii) Ishwar Kumar
  - 1. Certificate of honour in Physiology
  
- xix) Divya Rani
  - 1. Certificate of honour in Biochemistry
  
- xx) Arun
  - 1. Certificate of honour in Biochemistry
  
- xxi) Sidhak Chawla
  - 1. Certificate of honour in Biochemistry



Dignitaries on the dias



Director AIIMS Jodhpur, Prof. Sanjeev Misra addressing the gathering



Prof. S.K. Acharya, President AIIMS Bhubaneswar addressing the gathering



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



# **Joint Leadership Conclave**





## **Joint Leadership Conclave on Healthcare Technologies (3<sup>rd</sup> and 4<sup>th</sup> December 2018)**

Affordable healthcare has been a subject of much interest and discussions across the globe, more specifically in developing countries like India, where healthcare costs are swelling day by day. To reduce the cost of medical treatment, India needs medical technologies suited for the masses. Medical innovators are being looked upon to develop novel and affordable devices for use by masses.

In a step forward to develop a Centre for Medical Device Innovation, All India Institute of Medical Sciences (AIIMS) Jodhpur and Indian Institute of Technology (IIT) Jodhpur have established a Joint Centre for Healthcare Technologies, specially focussing on development of devices and products for patient diagnosis and treatment. In this regard, a two day Leadership Conclave on Healthcare Technologies was organised during 3<sup>rd</sup> & 4<sup>th</sup> December 2018 at AIIMS Jodhpur. In this conclave, the ideas were shared by innovators and researchers about Healthcare Technology Development in India to address innovation needs and priorities for India. Internet of Things (IOT), Artificial Intelligence (AI) and Virtual Reality (VR) were the subsets of discussions during this joint Leadership Conclave.

About 300 delegates registered in the conclave. The speakers from premier national and international institutions participated in the conclave. Prof. Sanjeev Misra, Director AIIMS Jodhpur gave the welcome address which was followed by brief introduction about Joint Leadership Conclave by Prof. CVR Murty, Director IIT Jodhpur. The keynote address on Vision for Healthcare Technology Development in India was delivered by Prof. S. K.Acharya, President AIIMS Bhubaneswar.

Delibrations were held on AI and its use in future medicine, e-health, potentials of robotics in medical decision making and in performing complex surgeries, nuances of nutrition in management of tuberculosis. One of the main attraction was Make in India, low cost, energy efficient, affordable Portable Ventilator designed and developed by Prof. Deepak Agarwal from Department of Neurosurgery, AIIMS New Delhi. Thoughts were also shared by Dr. Pravin Salunke from PGIMER Chandigarh, who developed implants for complex cranio-vertebral junction injuries. Dr. Ashish Kannaujia from SGPGI Lucknow, demonstrated his innovation to manage difficult airway. He has developed a video laryngoscope which can be directly connected to smart phone and the images of airway can be visualised on the screen of smart phone.

A panel discussion was moderated by Prof. Kuldeep Singh, Dean (Academics), AIIMS Jodhpur and Mr. M. L. Bapna from IIT Jodhpur. The panelists discussed about various hurdles faced during research, patenting and prototype development. They discussed the role of industry in development and marketing of the ideas of doctors and their engineering colleagues.

Towards the end of the conclave, there was an Industry session, in which representatives from Stryker India, Leica Microsystem, Johnson & Johnson, Karl Storz and Johari Digital, discussed the avenues an industry can offer once the concept is processed up to a level of a prototype. This two day conclave brought together clinicians, engineers and industry personnel on one platform who shared their thoughts and gave the participants an exceptional experience.



Dignitaries on the dias



Lighting of the lamp by the dignitaries



Session in progress



Felicitation of the dignitaries



# **Visit of Swedish Delegation**



## Visit of Swedish Delegation (23<sup>rd</sup> and 24<sup>th</sup> February 2019)

On 23<sup>rd</sup> and 24<sup>th</sup> February, 2019 Ms. Lena Hallengren, Hon'ble Minister for Health & Social Affairs, Government of Sweden along with Mr. Klas Molin, Hon'ble Ambassador of Sweden to India made a visit to AIIMS Jodhpur along with 33 members of Swedish delegation, which included Doctors, Researchers, Officials, and Business partners.

Following broad areas/ themes with identified for mutual collaboration in the course of the visit. The Institute also identified the lead faculty as below:

- **Innovations:** Mr. Stefan Vlachos (Sweden) and Prof. Kuldeep Singh (AIIMS Jodhpur)
- **Skills, Competencies and Research:** Mr. Anders Gustafsson (Sweden) and Prof Praveen Sharma (AIIMS Jodhpur)
- **Hospital Management, Information System and e-Health:** Mr. Anders Tegnell (Sweden) and Prof Rajesh Sharma (AIIMS Jodhpur)
- **Public Health & Infection Control:** Mr. Johan Carlson (Sweden) and Dr. Pankaj Bhardwaj (AIIMS Jodhpur)

The groups after discussion, agreed on the following broad approach:

- Signing knowledge MoU for Staff exchange on different levels, exploring the possibility of joint PhD programs (sandwich model), Translational Research and upskilling of nurses (CME) in particular focus areas.
- Explore future collaborations in the area of Public Health & Infection Control. Some of the areas which were identified during the discussion are:
  - Working together on extracting and analysing data from quality registrars – Swedish experience with large volumes of data in India
  - Share best practices on public health awareness sensitisation (ex. Water, sanitation, safe use of antibiotics, substance abuse)
  - Knowledge sharing in the process of developing regional guidelines in public health
  - Explore learnings from the Swedish
  - Pharmacy system and prescription control
  - Hospital infection control services guidelines and trainings
  - Explore partnerships in infection detection, NCD screening
- Collaboration in developing e-health services in the form of remote patient care to strengthen the continuum of care approach and to explore possibilities adapting Swedish geriatric applications to the Indian context and sharing best practices and exchange data use and data analytics.
- To understand the triple helix model structure in Sweden and to explore opportunities for trainings in Innovation Management viz Innovation at the hospital towards care giving, product/solution innovation (ideation – commercialisation) and exchange of possible models in IPR policy development for innovation



Swedish delegataion with representative from AIIMS Jodhpur



Hon'ble Minister and Ambassador of Sweden visiting the hospital  
with Director AIIMS Jodhpur



# **Medical Education at AIIMS Jodhpur**



## Medical Education at AIIMS Jodhpur

The Medical Education at AIIMS Jodhpur has been subjected to continuous improvement since its inception. Following were the activities performed during the current financial year:

1. UG Orientation Program (Foundation): During this program emphasis was laid on interactive sessions rather than didactic one. The program for MBBS batch who joined in July 2018, was conducted for 2 weeks. The first session 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.
2. PG Orientation Program: The institute conducted PG orientation in August 2018 and in March 2019 for batches who joined in July 2018 and January 2019 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 2014 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. Mentorship Workshop for Faculty members: AIIMS Jodhpur initiated a communication with Professor Tejinder Singh, Director, FAIMER Regional Institute, CMC, Ludhiana, a well-known figure in training programs for Mentoring. A one full day workshop was conducted on 15<sup>th</sup> February 2019. The Director, Professor Sanjeev Misra addressed the faculty and emphasized importance and need of such activities in shaping good teacher. The objective of the program was elaborated by Dr. Kuldeep Singh, Dean (Academics). Attributes of a good Teacher and attributes of a good mentor was beautifully presented by Dr Tejinder. The whole one day workshop was full of activities and extensive interaction. Dr Singh emphasized on a combination of flexibility and professionalism in approach and also suggested solutions to the problem posed by the faculty member. It need to be reiterated that AIIMS Jodhpur is already having a Mentorship program since beginning and also introduced Peer-mentorship from year 2016. The workshop reinforced the existing program and also provided needful directions for the future.

5. Setting up of the eClassroom at AIIMS Jodhpur: Ministry of Health and Family Welfare has setup eClassroom at AIIMS Jodhpur as one of the Center in Rajasthan. It has been used in many academic meetings, including workshops, CME and symposiums. AIIMS Jodhpur was already had meetings with PGI Chandigarh, AIIMS Delhi and National Academy of Medical Sciences, Delhi since 2014. With addition of this facility we can have simultaneous two academic meetings.

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.

The institute is having regular Institutional meetings on Wednesdays and Fridays which include Clinical Grand Rounds, Clinico-pathological Conferences, Morbidity meets and Mortality presentations.

The students have brought laurels to the Institute. Mr Rishab Mehta got an ICMR award for Rs 2 lac for developing a unique delivery table for women in labour. Dr Ajay Singh Rathore got first prize in ICMR essay competition on Innovations in Healthcare.

AIIMS Jodhpur was approved for 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 in Best Medical Institute in the country. The institute was able to secure overall 25<sup>th</sup> Rank among medical institutes in the country.

To promote and equip the young joined faculty of the details and techniques of Integrated teaching and Unconventional learning, a faculty development program was conducted by Dean (Academics) on 2nd April 2018 for new faculty (joined the institute in 2016 & 2017), in which concepts of Integrated teaching and Harden Ladder, Concepts of PBL and Integrated teaching at AIIMS Jodhpur was discussed in detail.

Preparation for Internship (PRINT) Program 2014 Batch held on 3rd -5th Jan 2018. The internship is a temporary position with an emphasis on on-the-job training rather than merely employment. The Medical Internship is a mandatory phase of MBBS training wherein a medical graduate is expected to conduct actual practice of medical and health care and acquire skills under supervision so that he/she may become capable of functioning independently as a physician.

Our Medical Education lay excessive stress on cognitive skills and acquiring knowledge. It is equally important to develop competencies and skills based on acquired knowledge. This can be very well harnessed during the Internship. There is still an emphasis on gaining knowledge during an internship in India partly fueled by the Pre-PG entrance examination which is highly competitive in nature these days and partly because of changing societal expectations from physician as a family doctor to a technical expert. There is a gradual dereliction of human values from the profession and is being replaced by sophisticated technical skills. As per societal desire, medical graduates also look for specialization in subject with heavy demand from our community.

In this PRINT activity, the new batch of interns was impressed upon/ engaged in from the nuances of Group Dynamics & Teamwork, Entrustable Professional Activities (EPA), Professional accountability, Biomedical Waste Management, Universal Precautions and safety, Recordkeeping, medico-legal formalities, Basic Life Support Basics to First Aid and Emergencies: Handling situations in hospital and in community; Computerized Patient Management System: Writing patient histories and Prescription Writing (OPD, IPD, I/O & vital charting) and Optimal Economical Investigation requisition, in detail.

Admission in various courses in session 2018-19, AIIMS Jodhpur:

<b>Course</b>	<b>Number admitted</b>
Undergraduate (M.B.B.S.)	100
Undergraduate (B.Sc. Nursing)	60
Postgraduate (MD/MS)	108
Postgraduate (M.Sc. Medical)	4
Postgraduate (M.Sc. Nursing)	15
Super specialization (DM/MCh)	25
Ph.D.	15



# **Student Welfare Activities**





## Students' Welfare Activities

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 2018 to 31 March 2019.

1. **Asterion -2018:** 3rd Annual Inter- Batch Literary and Culture Fest -"ASTERION 2018" was held from 03rd to 06th April, 2018. Asterion in simple words is music, dance and a range of nerve-racking literary events. Every year, Asterion brings with it four days of fun, frolic and a respite from stressful routine for the students.
2. **Connaissance-2018:** An International Undergraduate Medical Students Conference "CONNAISSANCE-2018" was held from 20th to 22nd April, 2018 at JIPMER, Puducherry.

The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Monish Gupta	2015
2.	Saurabh Agarwal	2015
3.	Guarav Singh	2015

3. **Slam Poetry Competition, BITS Pilani 27 July** - a "Slam Poetry" Competition was organized by BITS, Pilani at Jaipur on 27 July 2018. Our Institute team reached the **Prelims**. The following MBBS Students participated:

S.No.	Name of Students	MBBS Batch
1.	Ishant Kumar Sahu	2015
2.	Akansha Saini	2016
3.	Udita Patni	2016

4. **Janmastami 2018** was celebrated on 02 Sept 2018 at AIIMS Jodhpur. Dance-drama enactments of the life of Krishna, Dahi Handi, devotional singing through the midnight when Krishna was born, are a part of the Janmashtami celebrations.
5. **Farewell function** for MBBS Batch 2013 was celebrated by MBBS Batch-2014 on 07<sup>th</sup> September, 2018. The function comprised of a musical evening and memento distribution for all seniors in the college Auditorium.
6. **Tejas 2018-** 4<sup>th</sup> Annual sports meet was held from 08th September to 17th September 2018. All the MBBS batches and College of nursing participated in various Sports and track and field events. During the Closing ceremony on 17 Sept 2018, Director AIIMS Jodhpur gave away the prizes, trophies, medals to the winners. MBBS 2014 batch was declared the Champion Batch as they aggregated highest points.

7. **Hindi Diwas-** was celebrated on 14 Sept 2018 at AIIMS Jodhpur. It comprised of various literary activities in Hindi such as poetry, essay, creative writing, Spell Bee and debate. Students from all colleges of Jodhpur participated. The following students of AIIMS Jodhpur won cash prizes: -

S.No.	Name of Students	Event	Prize
1.	Annu (AIIMS)	Hindi Diwas (Poetry)	1st prize
2.	Viraj (AIIMS)	Hindi Diwas (Poetry)	2nd prize
3.	Saket and Prakhar (AIIMS)	Hindi Diwas (Debate)	1st prize
4.	Annu and Anushiya (AIIMS)	Hindi Diwas (Debate)	3rd prize
5.	Deepshikha (AIIMS)	Hindi Diwas (Creative Writing)	1st prize
6.	Bhagyashree(AIIMS)	Hindi Diwas (Creative Writing)	3rd prize
7.	Ritu Yadav (AIIMS)	Hindi Diwas (Spell Bee)	1st prize
8.	Harish Kumar(AIIMS)	Hindi Diwas (Spell Bee)	2nd prize
9.	Rajywardhan Singh Rathore (AIIMS)	Hindi Diwas (Spell Bee)	3rd prize

8. **Value in health care – A spiritual approach –** This Workshop was organized by Brahma Kumaris and was held on 29 Sept 2018. It is an internationally acclaimed course exclusively meant for doctors. It is called “VIHASA”
9. **Fresher day-** Fresher Day” for MBBS batch- 2018 was held on 29 Sept 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.
10. **Diya BSGP** (Bhartiya Sanskriti Gyan Partiksha) - On 08 Oct 2018 Divine India Youth Association (DIYA) a youth movement initiated by Honorable Dr. A.P.J Abdul Kalam held three phased Bharatiya Sarnkriti Gyan pariksha (BSGP) to spread Awareness about the prosperity and values of rich Indian culture.
11. **Best Out of Waste Competition** - A competition organized by the Arts & Crafts Club of AIIMS Jodhpur was held on 12 Oct 2018.

S.No.	Name of Students	Event	Prize
1.	Ms. Sanjoli, Aishwarya & Sadiya	MBBS Batch 2015	1st prize
2.	Ms. Kavita Suthar & Saroj	Nursing Batch 2016	2nd prize
3.	Ms. Ritu Yadav	Nursing Batch 2017	3rd prize
4.	Dr. Sunil	PG 2nd Year ObGyn	Special Appreciation

5.	Ms. Reshu, Preeti	MBBS 2017	Honorable mention
6.	Ms. Simran, Archit, Vishal	MBBS 2017	Honorable mention
7.	Ms. Shubhi Banswal	Nursing 2018	Honorable mention
8.	Ms. Kumari Neeta	Nursing 2016	Honorable mention
9.	Ms. Sneha, Kanupriya, Shilpa, Pooja	Nursing & MBBS Students	Honorable mention
10.	Ms. Shilpa Patel, Shweta	Nursing 2016	Honorable mention

12. **Astang Yog Sutra** - (Workshop) by RC SHARMA held on 25<sup>th</sup> Oct 2018.

13. **ACBICON-2018** - Biochemistry conference was held at Goa from 24<sup>th</sup> to 27<sup>th</sup> October 2018.

The following MBBS Students participated and presented papers at the conference: -

S.No.	Name of Students	MBBS Batch
1.	Manvi Sharma	2015
2.	Disha	2015
3.	Anshul Sharma	2015
4.	Mohamed Mufeeth	2015

14. **Developing Physician Scientists Workshop “DIPS 2018”** was held in New Delhi from 07 - 09 Dec 2018. The following MBBS Students participated and presented Papers/Posters at the conference:

S.No.	Name of Students	MBBS Batch
1.	Monish Gupta	2015
2.	Shashikant Saini	2015
3.	Aiswariya Kumari	2015
4.	Saurabh Agarwal	2015

15. **Lohri** -Festival of Lohri was celebrated on 13 Jan 2019 at AIIMS Jodhpur in the ground beside Boys Hostel.

16. A talk on “**Effect of Sudarshan Kriya Yoga and Pranayam in Cardiovascular System and Day Today Life**” was organized by the Committee Members of Yoga and Meditation Club on 23<sup>rd</sup> Jan 2019 in LT1 at AIIMS Jodhpur.

17. **The Saraswati Pooja** -was organized on 09 Feb 2019 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 joint lunch along with faculty. In the evening, students gathered for a cultural musical evening where volunteer participation were encouraged. It's a much awaited event in which students participates enthusiastically.

18. A medical conference “**ICOEH 2019**” was held at Lady Hardinge Medical College, New Delhi from 15<sup>th</sup> to 17<sup>th</sup> February 2019.

The following MBBS Students participated for paper/poster presentation

S.No.	Name of Students	MBBS Batch
1.	Prakhar Goyal	2016
2.	Noel Babu Jacob	2016
3.	Vikram Kumar Jangir	2015

19. **IGNUS-2019** - An Inter college festival of IIT, Jodhpur christened “IGNUS-2019” was held from 22 to 24 Feb 2019. Our institute team participated in the fest.

The following MBBS Students participated:

S.No.	Name of Students	Event	Prize
1.	Srijan Sinha, Anshul, Sahil Ahemad Mansuri	General Quiz	1st Prize
2.	Mrigank Sharma, Siddhant Passey, Jagriti Jha	General Quiz	2nd Prize
3.	Siddhant Passey, Jagriti Jha, Mrigank Sharma	MELA Quiz	2nd Prize
4.	Mrigank Sharma, Sahil Ahemad Mansuri, Udita	India Quiz	2nd Prize

20. **AURA-2019** – AIIMS, Jodhpur hosted students from Rajasthan and all over the country from 1-4th March 2019. 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 were as under-

S.No.	Name of event	Dates
1.	<b>Battle of Bands</b>	1 <sup>st</sup> March 2019
2.	<b>“THE HUMMA NIGHTS”</b> by Singer <b>Jubin Nautiyal</b>	2 <sup>nd</sup> March 2019
3.	<b>RAHAT INDORI</b> nights followed by <b>“The Band SPUNK”</b> from Kolkata	3 <sup>rd</sup> March 2019
4.	<b>EDM</b> Nights by <b>“OLLY ESSE”</b>	4 <sup>th</sup> March 2019

21. **Energy Sutra of Positive Thinking**- Yoga and meditation Club scheduled a talk on “E.N.E.R.G.Y. - 6 SUTRAS OF POSITIVE THINKING” by Mr. Shankarshan priya Das on 27 Mar 2019 at AIIMS Jodhpur.

22. On National festivals as Republic day and Independence Day celebration, flag hoisting and Directors speech was followed by a high tea together for the students, faculty and staff with harmonious informal interaction.

### 23. **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 to 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.

### 24. **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.



Kabbadi game in progress during Tejas



Students during a Basketball match



Dance performance by students during AURA



Guitar performance by students

## 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 Jha - Member
- iii) Prof. Raj Rani - Member
- iv) Dr. Pushpinder Khera - Member
- v) Dr. Aasma Nalwa – Member
- vi) Representative of Local media: Mr. Praveen Dhingra, Dainik Bhaskar
- vii) Representative of Civil Society : Dr. (Mrs.) Vandana Mathur and Ms. Shilpa Mridul
- viii) Representative of State Police: Mr. Kamal Singh ACP
- ix) Legal advisor: Ms. Vandana Bhansali

### **MBBS Students:**

Batch 2013: Vaishali Ranganathan, Rajat Ranka

Batch 2014: Vikash Kumar, Vandana Kapoor

Batch 2015: Monish Gupta, Sanjoli Agarwal

Batch 2016: Abhinandan Kumar, Sanjoli Gupta

Batch 2017: Adarsh Kumar, Himanshi Bhati

### **Nursing students:**

Batch 2014: Himami, Ranjandeep Kaur

Batch 2015: Krishna Chhangani, Jyoti Nanda

Batch 2016: Annu, Shweta Gupta

Batch 2017: Kanta, Deepika K

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. Ashish Kumar Nayyar  
: Dr. Ramkaran Choudhary

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, sport 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 barthrooms, eight toilets (two each corner of corridor), with facility of electric geyser for hot water and water cooler with inbuilt purifier.

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 2016) – 75

MBBS ( Batch 2017) – 66

MBBS ( Batch 2018) – 74



Boys' Hostel

**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

<b>Provost</b>	<b>: Dr. Vijay Lakshmi Nag</b>
<b>Assistant Provosts</b>	<b>: Dr. Renu Gupta</b>
	<b>: Dr. Om Lata Bhagat</b>
	<b>: Mrs. Mamta</b>
	<b>: Mrs. Vandna Pandey</b>

**About the Hostel**

The Girl's Hostel of AIIMS, Jodhpur has entered 7<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. 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 – 62+1

MBBS 2014- 22

MBBS 2015- 23

MBBS 2016- 17

M.Sc.Physiology-01

No. of students residing in Medical Wing of girls hostel: Total -74

2016 batch -06 students

2017 batch -28 students

2018 batch -24 students

No. of students residing in Nursing Wing of girls hostel: Total 198

2016 batch -48 students

2017 batch -56 students

2018 batch -57 students

### **Infrastructural Development**

During session 2018-2019, some infrastructural changes were done in the hostel. The rooms were renovated by merging two/three single rooms into one. In May 2018, Girls hostel was painted for maintaining the cleanliness of hostel; dustbins were procured and kept in each wing. All rooms of Girl's hostel including PG Hostel room's, protective device were installed in ceiling fan. For uplifting the ambience of hostel, 300 new flowerpots are kept at different places in wings. Common room have 150 newly procured chairs. Garden place created in both MBBS & Nursing wing

### **Achievements**

During session 2018-19 Girls' Hostel won cleanest Hostel award in **Special Swacchatta Drive 2018**.

### **Information & Entertainment**

For updating the knowledge of students, Newspapers (both English and Hindi) are being procured and newspaper stand was also installed in February 2019. Two Television are also there in hostel with all channels of student choice, which will help students to relax.



Girls' Hostel

### **Supervisory Arrangement:**

Hostel committee for girl's hostel supervises the functioning of the hostel. The hostel committee consist 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. In this session 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.



Residents' Hostel





# Central Facilities



## Central Facilities

### Central Library

With the start of the academic session in 2012, a Central Library was established at the institute. It houses various books on medical and nursing subject and has computer terminals for the use of Faculty and students. The Library is Wi-Fi enabled. It has more than 3500 medical textbooks, reference books & about 500 books of nursing. More than 1000 online journals have been subscribed by the library. In March 2016 the library became a member of ERMED consortium initiated by NML; New Delhi through this portal access to more than 243 online e-journals and across various specialties has been made possible. 'UPTODATE' is as evidence base clinical data 'The JAMA Network Journals, Lippincott's Advisor & Lippincott's Procedures Springer & Nature Ovid, Sage e- journals also subscribed in 2017. Clinical key e package subscribed in 2018. BMJ e - resources package & ASCO Digital e-journals Subscribed in 2019. Several National and Regional newspapers and magazines of general interest are also available and 400 English and Hindi literature books and 70 Spiritual books in the library. The library has a separate wing for e-Library with 31 workstations for accessing Internet and e-Journals, to support the scholarly needs of all its students, faculty members, researchers and staff. The Library is Wi-Fi enabled and provides reprography service. CCTV cameras have been installed in the Library to provide a secure reading environment. It remains open for 358 days in a year

### 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

### Recreational Facilities

Common rooms are established in the Mess complex near the Hostels to allow the students to relax. The common rooms have facilities for games like table tennis, chess, carom etc. The common room also has adequate seating arrangements with television.

A small central park with walkway is present behind the guest house. This is used frequently both by the students and the faculty for walks and relaxation.

In order to promote overall growth of the students, the Institute has floodlit badminton, basketball and tennis courts along with a football cum cricket ground.



Indoor Badminton Court

## 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 IT infrastructure for patient management, teaching and research purposes.

These services include CPMS which is a single window software for managing all patient related activities of All India Institute of Medical Sciences, Jodhpur. 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.

The country already has the advantage of a strong IT fibre backbone and indigenous satellite communication technology with trained human resources. With enhanced efforts, telemedicine could help bring specialized healthcare to the remotest corners of the country. Telemedicine is likely to provide the advantages of tele-diagnosis, especially in the areas of cardiology, pathology, dermatology, and radiodiagnosis besides effectively operationalizing Continuing Medical Education (CME) programmes. AIIMS Jodhpur takes pride that most of the vision of MOHFW and MeITY has been implemented such as:-

**Telemedicine:** Telemedicine can be defined as the use of electronic communication technology to exchange patient information and provision of health care services at remote locations. Global Telemedicine has gone far beyond providing health care services alone. It is now being extensively used also for education, research and management of data. It is, however, paradoxical that despite India's strength in information technology, the use of telemedicine is still at a fairly nascent stage especially in the public health sector. AIIMS Jodhpur has already started Telemedicine setup and acts as the Nodal Center of referral and consultation of patients of Pali District Hospital.

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 prerequisite in using ICT seamlessly in healthcare. While EMR is available in several forms, size, shape, and format, Indian medical community with a specific mandate should standardize EMR, create and establish ICT platforms for using EMR based systems, for universal benefits.

The vision of Digital India is included in our endeavors to achieve a paperless hospital management and Data Storage system.

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 - Online procurement and distribution of drugs and pharmacy without the need to maintain registers at every Point, automatic debit of indent from pharmacy stock indent can be generated in any, OPD, ward, Theatres, Stock keeping, online tracking of pharmacy stock with warning on low levels and expiry dates.

Equipment's tracking of all hospitals equipment from bedpans to Lasers with one time online data entry.

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.

Apart from patient management services IT Cell at AIIMS Jodhpur also caters for many other services including E-library,

Video conferencing room with ability to perform 3 simultaneous conferences at a single time, not only we are publicize our Public Lectures live on YouTube, but OT Procedure also broadcasts to the lecture theatres here in AIIMS Jodhpur, through our in house development we creates a robust user interfaced websites and Recruitment portal.

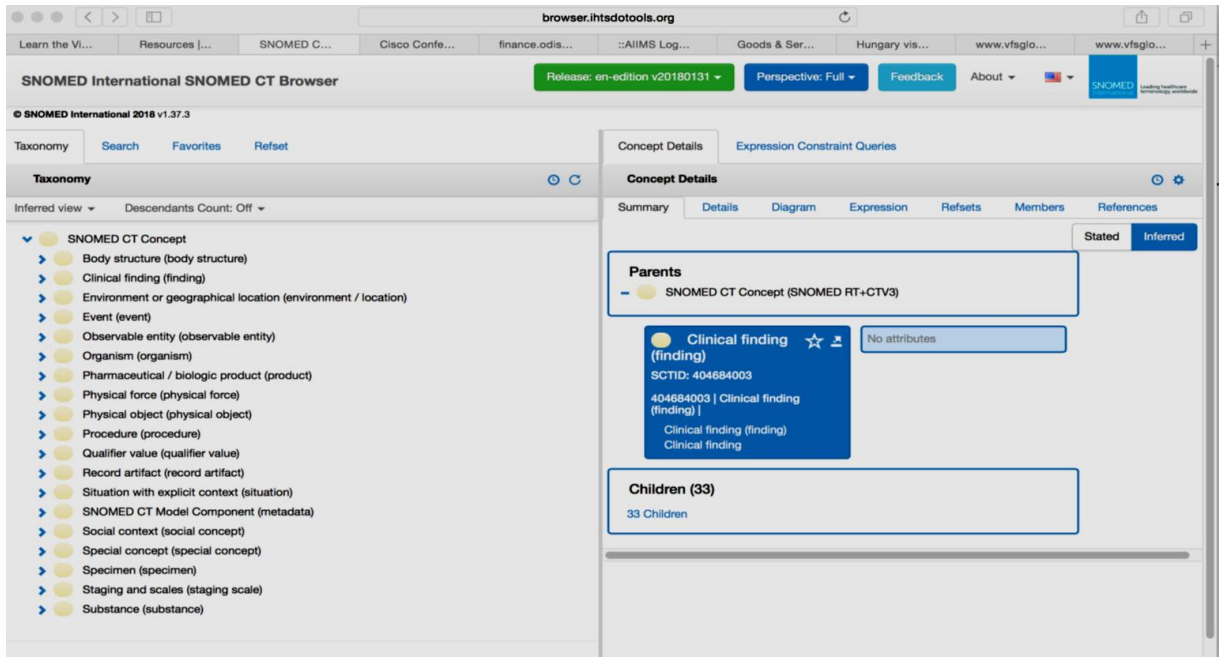
IT cell is providing Eduroam services at AIIMS Jodhpur. Edurom is a global service that enables students, researchers and staff from participating institutions to obtain Internet connectivity across campus and when visiting other participating institutions by simply opening their laptop or activating 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 and use it for free internet access.

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

**Achievement of IT Cell**

**1) SNOWMED-CT in HIS.**

We have incorporated Snowmed-CT in HIS for recording the diagnosis wise statistics of the patients.



**2) Website of AIIMS Jodhpur.**

We have launched the new website of AIIMS Jodhpur using new modern technologies and it is totally a In house project of AIIMS Jodhpur.





3) **Trauma & Emergency Module in HIS.**

The Trauma & Emergency services of AIIMS Jodhpur started on 30<sup>th</sup> Sept 2017. From day one of the starting of services, the trauma & emergency module was incorporated in the HIS.

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
Computerized Patient Management System

**Poonam Dhoot's Panel** OPD Fee: Rs.10.00

Home Doctor Search View OPD Referral Detail Patient Search Insurance Detail Change Password Logout

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**OPD TICKET**

Patient's Name : Madan kanwar      Father's Name : Vishan singh      Date : 19 Jul 2018  
 Address : 1 Rajputo Ka Bass banar, Jodhpur, Jajivai Kutri      Age : 66-Year      Sex : Female

Department: **Emergency**

Choose For OPD :  OPD

Doctor Name	List of Patients
<input checked="" type="radio"/> Pediatrics Faculty	0
<input type="radio"/> Orthopedics Faculty	0
<input type="radio"/> Surgery Faculty	3
<input type="radio"/> Medicine Faculty	5

**Submit**

---

**Patient Previous Visit**

S.No.	Previous Visit	Department Name	Consultant Name	Ticket	Valid Till	Action
1	13-06-2018	Obst. & Gynaecology	Dr. Pratibha Singh	NEW	13-09-2018	
2	13-06-2018	Radiotherapy	Dr. Puneet Pareek	NEW	13-09-2018	

Total Record 2

4) **Mera Aspataal Application.**

As per the direction from MoFHW, for taking the feedback from the patients regarding the services of AIIMS, Jodhpur, the Mera Aspataal application was integrated with HIS.

Share your experience to improve hospitals  
Ministry of Health & Family Welfare  
Government of India

HOME ADMIN

**Jodhpur**

HOSPITALS INTEGRATED: 1      VALID VISITS: 3,92,943      RESPONSES: 38,061      SATISFIED: 29,785      UNSATISFIED: 8,276

**District Level Score Card**

**Patient Satisfaction Score\***

97

**Patients Target v/s Responed**

**Patient Satisfaction Score Trend**

### 5) Evolution in Digital Transaction at AIIMS Jodhpur.

As per the direction of MoHFW,IT Cell has taken favourable steps for increasing the e-transaction & data of same has been uploaded on monthly basis on National Health Portal .

e-Transaction													
Centre for Health Informatics Ministry of Health and Family Welfare Government of India													
Home Add Transaction View Transaction Profile Change Password Contact Us Logout													
Financial Year: 2018-2019													
View Transaction													
Mode of e-Transactions	April 2018 (Number of transactions)	May 2018 (Number of transactions)	June 2018 (Number of transactions)	July 2018 (Number of transactions)	August 2018 (Number of transactions)	September 2018 (Number of transactions)	October 2018 (Number of transactions)	November 2018 (Number of transactions)	December 2018 (Number of transactions)	January 2019 (Number of transactions)	February 2019 (Number of transactions)	March 2019 (Number of transactions)	Total
BHIM	2	4	4	7	1	5	6	2	3	3	5	7	49
DEBIT	3,741	5,404	4,519	4,605	5,170	4,291	4,873	4,272	3,377	4,311	3,779	3,293	51,635
AADHAR	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLET	687	975	882	759	823	598	1,092	852	684	945	1,033	1,252	10,582
IMPS	4	4	8	8	5	2	5	-	1	-	3	7	47
BHARAT	3	1	4	1	1	-	1	4	6	11	7	18	57
CREDIT	-	-	-	-	-	-	8	-	-	-	-	-	8
Others	-	-	-	-	-	3	-	3	-	-	-	-	6
<b>Total</b>	<b>4,437</b>	<b>6,388</b>	<b>5,417</b>	<b>5,380</b>	<b>6,000</b>	<b>4,899</b>	<b>5,985</b>	<b>5,133</b>	<b>4,071</b>	<b>5,270</b>	<b>4,827</b>	<b>4,577</b>	<b>62,384</b>

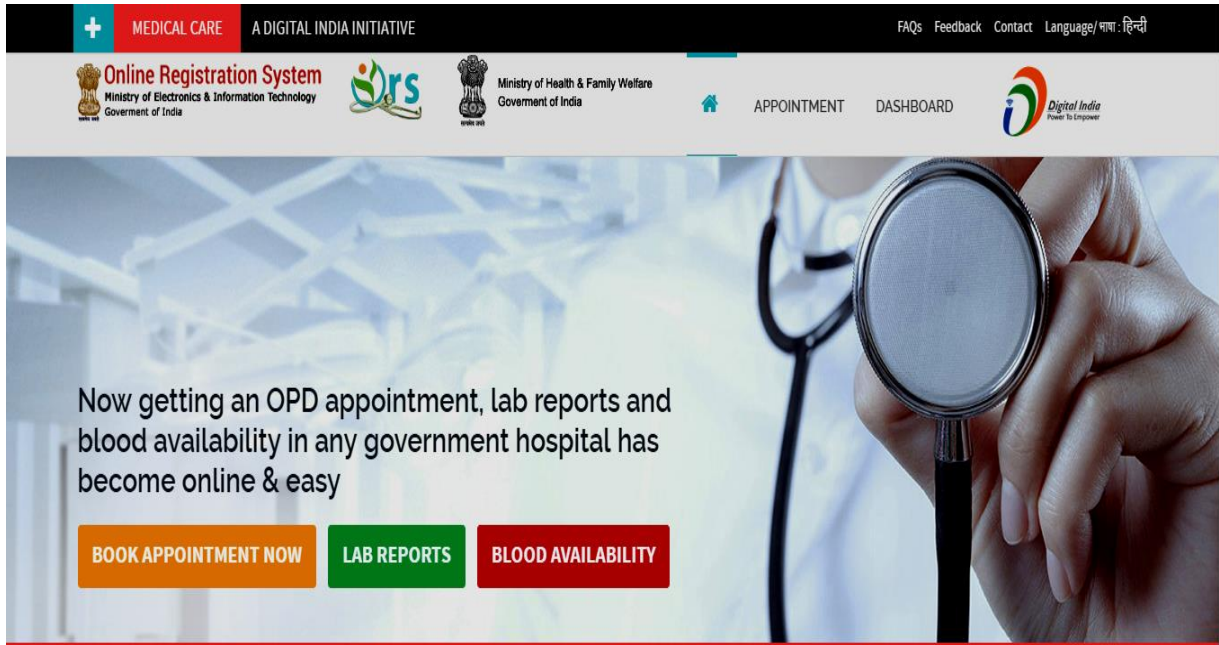
### 6) AYUSH Services

AYUSH Services were started on 6<sup>th</sup> Nov 2017 at AIIMS Jodhpur. From the day one the software module was added in HIS for recording the data of patients.



7) **Online Reservation System Portal**

We are welcoming the appointment generated from ORS Portal by patients for taking the services at AIIMS Jodhpur and we are also in process of integrating the ORS portal of MoHFW with our HIS.



8) **Configuration of mini PACS Server.**

We have configured mini PACS Server and successfully integrated with the machines (DR,CR,CT etc) for viewing the dicom images with great quality. It is also one of the greatest achievement of IT Cell which is totally an In house project of AIIMS, Jodhpur.

Patient Name	Patient ID/Issuer	Birth Date	Sex	Comments	Study Date/Time	Study ID	Accession No	Modality	Description	#S/#I	Availability
AACHU DEVI 38 Y.F	AIIMS/JDH/2018/07/018634		M		7/30/2018 15:39	S-JK8407FD.1		CR	Chest	1/1	ONLINE
AASHU RAM 74 Y.M	AIIMS/JDH/2018/07/018494		M		7/30/2018 16:44	S-JK85QBK9.1		CR	Chest	1/1	ONLINE
ABHISHEK SINGH 27 Y M	AIIMS/JDH/2013/07/000031		M		7/30/2018 13:17	S-JK7YWL2E.1		CR	Abdomen	1/1	ONLINE
AKSHAY SINGH 26 Y.M	AIIMS/JDH/2018/07/018975		M		7/30/2018 12:05	S-JK7WCEPN.1		CR	Pelvis	1/1	ONLINE
ALCHI 61Y/F	AIIMS/JDH/2018/06/015154		F		7/30/2018 19:18	S-JK8BUN7C.1		CR	Chest	1/1	ONLINE

**9) Installation of Kiosk**

We have installed kiosk in the hospital for self-registration for generation of Registration Card to reduce the queues.



**10) Computer on wheels in IPD**

We are in the process of cart (COW) for IPD for the bedside entry in HIS of the diagnosis.



## Women's Cell

Women's grievance & Redressal Cell':

### Members include:

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

The committee strives to redress the grievances, if any, of the female students, faculty and staff of the institute. One complaint was forwarded to the women's cell in the year 2017-2018. 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 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

The committee strives for making a safe and humane conditions at the Institute premises where women can work with dignity. During the year 2018-19 two new cases received while total 7 reports submitted which included 6 of previous year. The matter of remaining 01 case is being investigated by the committee.

## 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. Jaykaran 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, which are as follows.

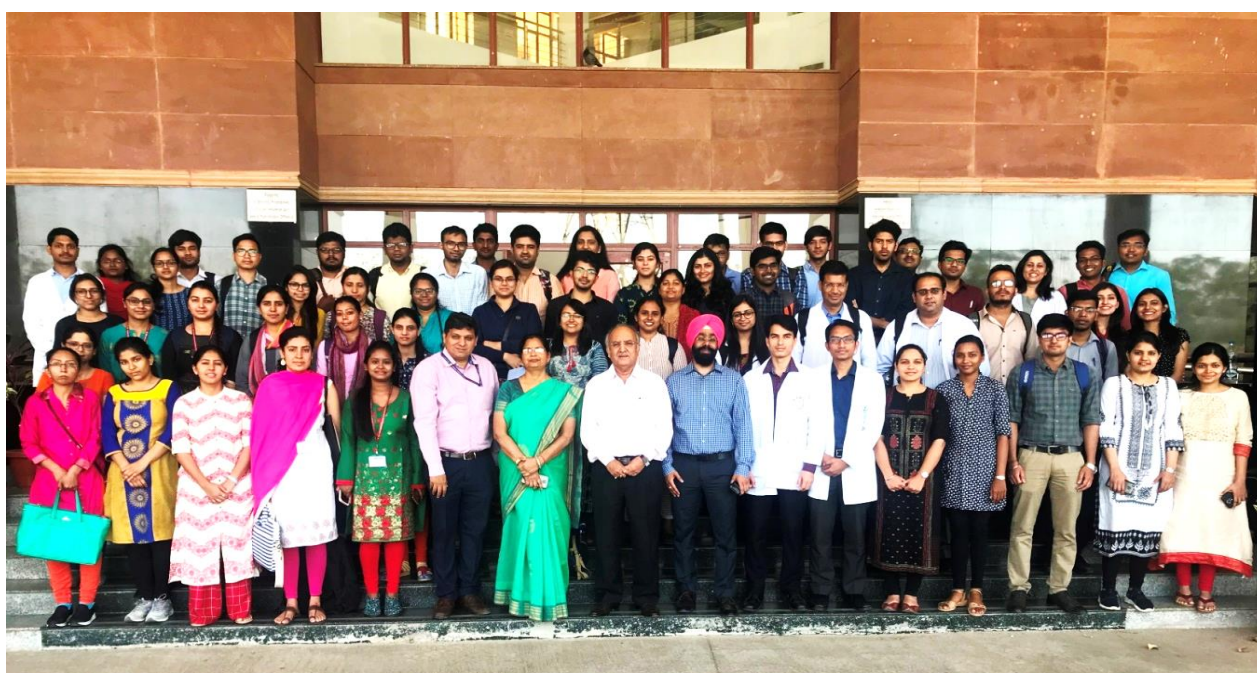
S. No.	Date of MoU	Title of Mou	Between the Institutions	
1	06.08.2018	Hospital based sentinel surveillance for S.pneumoniae and other invasive bacterial disease in India – Phase-II.	All India Institute of Medical Sciences, Jodhpur	National Institute of Epidemiology (NIE), Chennai
2	20.10.2018	Strengthening State Non Communicable Disease Programme for Early Detection of Breast Cancer involving Strategic Education and Awareness among Women.	All India Institute of Medical Sciences, Jodhpur	Desert Medicine Research Centre, Jodhpur

3	14.01.2019	Collaborative Research on Clinical Genomics.	All India Institute of Medical Sciences, Jodhpur	Institute of Genomics & Integrative Biology (CSIR), Delhi
4	20.02.2019	The prevalence study of specific micronutrients deficiencies in school going children aged between 6-16 years in ten cities of India.	All India Institute of Medical Sciences, Jodhpur	King George's Medical University, Lucknow
5	21.02.2019	Palliative care for cancer patients.	All India Institute of Medical Sciences, Jodhpur	JIV DAYA Foundation, USA

**A total of 8 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(05)/2018/311	Dr. Praveen Sharma	Professor & Head	Biochemistry	Assesment of oxidative, genotoxic and global epigenetic alterations in occupationally lead (Pb) exposed workers of Jodhpur.
2	AIIMS/RES(05)/2018/310	Dr. Purvi Purohit	Associate Professor	Biochemistry	A cross-sectional study analysing role of GDF-15 in induction of stemness of Triple negative breast cancer (TNBC).
3	AIIMS/RES(05)/2018/300	Dr. Meenakshi Gothwal	Assistant Professor	Obstetrics & Gynaecology	Red Cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome.
4	AIIMS/RES(05)/2018/315	Dr. Pushpa Potaliya	Assistant Professor	Anatomy	In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cineraria, a locally available conventional promoter of wound healing.

5	AIIMS/RES(05)/2018/305	Dr. Indu Saxena	Assistant Professor	Biochemistry	Correlation of Interleukins (IL-10, IL-18), MicroRNA Species (miR 198 and miR 24), and Transcription Factor Pdx-1 in Type 2 Diabetes Mellitus
6	AIIMS/RES(05)/2018/303	Dr. Aliza Mittal	Assistant Professor	Pediatrics	Endothelial dysfunction in children with CKD-Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis.
7	AIIMS/RES(05)/2018/304	Dr. Sourabha Kumar Patro	Assistant Professor	ENT	Beta defensin expression in malignant head and neck tumors.
8	AIIMS/RES(05)/2018/309	Dr. Shashank Shekhar	Additional Professor	Obstetrics & Gynaecology	Circulating Micro RNA-125b as A Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer.



**Group Photograph of Participants & Resource Persons**



**Indian Council of Medical Research approved 2 projects of students of AIIMS, Jodhpur under its Short-Term Studentship program. (STS-ICMR)**

S. No.	Project No.	Principal Investigator	Designation	Department	Student Name	Name of Project Title
1.	AIIMS/RES(06)/2019/364	Dr. Saptarshi Mandal	Assistant Professor	Transfusion Medicine & Blood Bank	Muskan Arora	Study of the Effects of Blood Unit Aliquot Size and Orientation of Bag During Storage on Potassium Leaking in Irradiated and Non-Irradiated Red Cell Units.
2.	AIIMS/RES(06)/2019/347	Dr. Abhishek Purohit	Assistant Professor	Pathology	Siddhant Passet	Detection of Paroxysmal Nocturnal Haemoglobinuria Clones in cases of Deep Vein Thrombosis in a Tertiary care Centre, Western Rajasthan.

**Extramural Research Project / Multi-Centric Project:**

S. No.	Title	PI from AIIMS Jodhpur	Designation	Department	Funding Agency	Funding
1.	Epigenetic modification of apolipoprotein A1 and leptin gene in obese subjects.	Dr. Sadashiv	Senior Resident	Biochemistry	SERB-DST	14,52,000/-
2.	Evaluating and strengthening pre-hospital trauma care system for mitigating burden of Road traffic accidents in Jodhpur, Rajasthan.	Dr. Neeti Rustagi	Associate Professor	Community Medicine & Family Medicine	ICMR	10,38,500/-

3.	Review of Injury Surveillance System in Jodhpur, Rajasthan.	Dr. Neeti Rustagi	Associate Professor	Community Medicine & Family Medicine	IAPSM Ford Foundation Grant	35,000/-
4.	Initiating Antimicrobial Stewardship activities in Hospitals in India.	Dr. Jagdish Prasad Goyal	Additional Professor	Pediatrics	ICMR	10,19,800/-
5.	System Approach for Assessment of Maternal Deaths in Rajasthan: A Feasibility Study.	Dr. Pankaja Ravi Raghav	Professor & Head	Community Medicine & Family Medicine	ICMR	21,18,008/-
6.	Assessment of effectiveness of IT enabled Equipment Management & Maintenance System (e-upakaran) in Rajasthan.	Dr. Pankaj Bhardwaj	Additional Professor	Community Medicine & Family Medicine	NHM	10,20,000/-
7.	Regional Level Viral Research & Diagnostic Laboratory at AIIMS, Jodhpur.	Dr. Vijaya Lakshmi Nag	Professor & Head	Microbiology	Department of Health & Research, New Delhi	7,50,00,000/-
8.	Flipping to Empower Adolescents for Sexual and Reproductive Health.	Dr. Pratibha Singh	Professor & Head	Obstetrics & Gynecology	Grand Challenges Canada	49,98,500/-
9.	SRS-VA (Minerva training activity).	Dr. Pankaja Ravi Raghav	Professor & Head	Community Medicine & Family Medicine	MINErVA Funding	98,000/-
10.	Post-transcriptional regulation of IL-6 mRNA binding protein Arid5a in Sepsis and Melonama under TLR4 signaling.	Dr. Kishan kumar Nyati	Ramalingaswami Fellow	Biochemistry	DBT, New Delhi	1,03,60,000/-

**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 Students	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	18 <sup>th</sup> & 19 <sup>th</sup> March, 2019
2	Introductory Course on “Evidence Based Medicine” for in-house faculty members	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	26 <sup>th</sup> March, 2019 to 04 <sup>th</sup> April, 2019
3	Workshop on Protocol Design and Introduction to Evidence Based Medicine for PGs (MD/MS/DM/MCH) and PhD and M.Sc Students	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	30 <sup>th</sup> & 31 <sup>st</sup> October, 2018
4	Workshop on Protocol Design and Introduction to Evidence Based Medicine for PGs (MD/MS/DM/MCH) and PhD and MPH Students	Research Section Faculty AIIMS, Jodhpur	AIIMS, Jodhpur	04 <sup>th</sup> & 5 <sup>th</sup> May, 2018



**Group Photograph of Participants & Resource Persons**

## 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 of 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 5 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. A M Singhvi (Member)
- vii) Dr. Surajit Ghatak (Member)
- viii) Dr. Vijay Laxmi Nag (Member)
- ix) Dr. Sneha Ambwani (Member)
- x) Dr. Kuldeep Singh (Member)
- xi) Dr. Pratibha Singh (Member)
- xii) Dr. Pradeep Kumar Bhatia (Member)
- xiii) Dr. Abhinav Dixit (Member)
- xiv) Dr. Abhay Elhence (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. 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. Brar were held during the year to consider various projects submitted by faculty and students for Ethical clearance.

**16th Meeting of Institutional Ethics committee held on 27th April, 2018**

20 Projects approved by Institutional Ethics Committee:-

S.No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigat or	Project	IEC Meeting Date
1	AIIMS/IEC/2018/524	Guide: Mr. Ashok Kumar Student: Mahima Chuoudhary	Associate Professor	College of Nursing	Development of Burnout Syndrome Assessment Scale for nurses working in intensive care unit and emergency at All India Institute of Medical Sciences Jodhpur, Rajasthan	Mrs. Vandana Pandey	Medical Surgical Nursing (Critical Care Nursing)	16th Meeting 27th April, 2018
2	AIIMS/IEC/2018/525	Guide: Mrs. Vandana Panedy Student: Shoab Aktar	Lecturer	College of Nursing	Experiences of nurses caring critically ill patients admitted in the ICUs of AIIMS, Jodhpur	Mr. Ashok Kumar	Medical Surgical Nursing (Critical Care Nursing)	16th Meeting 27th April, 2018
3	AIIMS/IEC/2018/527	Guide: Mrs. Vandana Pandey Student: Uma Phalswal	Lecturer	College of Nursing	Correlation of Knee Society Score and Oxford Knee Score in-patient with Moderate to Severe Osteoarthritis of the Knee.	Mr. Ashok Kumar Dr. Abhay Elhence	Medical Surgical Nursing (Orthopedic Nursing)	16th Meeting 27th April, 2018
4	AIIMS/IEC/2018/526	Guide: Mr. Ashok Kumar Student: Jameel A	Associate Professor	College of Nursing	A randomized control trial to compare the effectiveness of surgical hand scrub and surgical hand scrub followed by alcoholic hand rub in reducing number of CFUs on hands among health care workers working in OT AIIMS, Jodhpur	Dr. Vibhor Tak Mrs. Vandana Pandey	Medical Surgical Nursing (Orthopedic Nursing)	16th Meeting 27th April, 2018

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/2018/528	Guide: Mr. Mukesh Chandra Sharma Student: Hiteshi Borana	Associate Professor	College of Nursing	Effectiveness of Nursing Care Bundle on the level of stress among paraents of neonates admitted in NICU at selected hospitals of Jodhpur	Dr. Neeraj Gupta Dr. Mrs Remiya Mohan	Paediatric Nursing	16th Meeting 27th April, 2018
6	AIIMS/IEC/2018/529	Guide: Mr. Himanshu Vyas Student: Neha Sharma	Lecturer	College of Nursing	Effectiveness of child birth education programme on knowledge, intrapartum behavior and pregnancy outcome among selected Primigravida mothers at AIIMS, Jodhpur	(Prof.) Dr. Pratibha Singh	Obst. & Gynae Nursing	16th Meeting 27th April, 2018
7	AIIMS/IEC/2018/530	Guide: Mr. Himanshu Vyas Student: Shalini Raj Kumawat	Lecturer	College of Nursing	A randomized control trial to compare the effect of ninety minutes versus sixty minutes of early maternal-newborn skin to skin contact on breastfeeding behaviour and exclusive breastfeeding rate in healthy neonates <sup>3</sup> 35 weeks of gestation at All India Institute of Medical Sciences, Jodhpur, Rajasthan	Dr. Neeraj Gupta Mrs. Remiya Mohan	Obst. & Gynae Nursing	16th Meeting 27th April, 2018
8	AIIMS/IEC/2018/531	Guide: Prof. (Dr.) Raj Rani Student: Divya	Principal	College of Nursing	A Community survey to explore mother's knowledge and expressed practices of managing minor ailments of children under five years at selected area of Jodhpur	Mrs. Mamta	Community Health Nursing	16th Meeting 27th April, 2018
9	AIIMS/IEC/2018/532	Guide: Mrs. Mamta Student: Pooja	Lecturer	College of Nursing	Assessment of cardiovascular disease risk in adult population residing at selected urban area of Jodhpur	Prof. (Dr.) Raj Rani	Community Health Nursing	16th Meeting 27th April, 2018

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/2018/533	Guide: Mrs. Mamta Student: Pooja	Lecturer	College of Nursing	A mixed method study to explore perception of tobacco users related to tobacco addiction and barriers in cessation at selected area of Jodhpur	Prof. (Dr.) Raj Rani	Community Health Nursing	16th Meeting 27th April, 2018
11	AIIMS/IEC/2018/534	Guide: Prof. (Dr.) Raj Rani Student: Pushpa	Principal	College of Nursing	A study to assess knowledge, burden and its coping strategies among caregivers of thalassemic children with a view to prepare thalassemia self-care module for caregivers attending thalassemia day care centre of selected hospital, Jodhpur	Mrs. Mamta	Community Health Nursing	16th Meeting 27th April, 2018
12	AIIMS/IEC/2018/535	Guide: Mr. Ashish Parihar Student: Archana Kumari	Lecturer	College of Nursing	Subjective burden, psychological distress and perceived social support among caregivers of mentally ill patients attending psychiatric OPD AIIMS, Jodhpur	Mr. Mukesh Chandra Sharma	Psychiatric Nursing	16th Meeting 27th April, 2018
13	AIIMS/IEC/2018/536	Guide: Mr. Aashish Parihar Student: Bindu Kumari	Lecturer	College of Nursing	Correlation of psychosocial problems and coping strategies among elderly residing in selected old age homes at Jodhpur, Rajasthan	Mr. Ashok Kumar	Psychiatric Nursing	16th Meeting 27th April, 2018
14	AIIMS/IEC/2018/539	Dr. Rahul Saxena	Assistant Professor	Paediatric Surgery	Comparison of outcome in paediatric stented hypospadias repair with continuous antibiotic prophylaxis versus no post-operative prophylaxis	Dr. Arvind Sinha Dr. Manish Pathak Dr. Vivek Manchanda a Dr. Kirtikumar Rathod Dr. Avinash S. Jadhav	Non-Funded	16th Meeting 27th April, 2018

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/2018/516	Dr. Bharti Mehta	Additional Professor	Physiology	Crossword Puzzles for Understanding Concepts of Renal Physiology	None	Non-Funded	16th Meeting 27th April, 2018
16	AIIMS/IEC/2018/542	Dr. Sonali Adole	Assistant Professor	Anatomy	Ultra-sonographic localization of carotid sinus: A cross sectional study	Dr. Prathamesh H Kamble Dr. Binit Sureka Dr. Surajit Ghatak	Non-Funded	16th Meeting 27th April, 2018
17	AIIMS/IEC/2018/543	Dr. Anuradha Sharma	Additional Professor	Microbiology	Retrospective data of Dermatophytes and patient outcome (2013-2018)	Dr. Vijaya Lakshmi Nag Dr. Abhishek Bhardwaj	Non-Funded	16th Meeting 27th April, 2018
18	AIIMS/IEC/2018/543	Dr. Anuradha Sharma	Additional Professor	Microbiology	Retrospective data of Blood culture isolates, their sensitivity pattern and patient outcome (2013-2018)	Dr. Vijaya Lakshmi Nag Dr. Neeraj Gupta Dr. Sadik Mohamad	Non-Funded	16th Meeting 27th April, 2018
19	AIIMS/IEC/2018/544	Dr. Anuradha Sharma	Additional Professor	Microbiology	Prospective data on MRSA on the hands of Healthcare workers	Dr. Vijaya Lakshmi Nag	Non-Funded	16th Meeting 27th April, 2018
20	AIIMS/IEC/2018/503	Dr. Pankaja Ravi Raghav	Professor & Head	CMFM	Systems approach for assessment of Maternal deaths in Rajasthan: a feasibility study.	Dr. Neeti Rustagi Dr. Manoj Gupta	Extramural	16th Meeting 27th April, 2018

### 17th Meeting of Institutional Ethics committee held on 22nd May, 2018

25 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/2018/558	Dr. Anuradha Sharma	Additional Professor	Microbiology	Global Surveillance of Bacterial Pathogens Using Whole Genome Sequencing	Dr. Vijayalakshmi Nag Dr. Vibhor Tak Dr. Sarika Kombade	Extramural Wellcome Trust Sanger Institute	17th Meeting 22nd May, 2018



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
2	AIIMS/IEC/2018/550	Dr. Arvind Kumar Morya	Associate Professor	Ophthalmology	Prevalence of and risk factors for Dry eye in the patients attending Ophthalmic OPD at AIIMS, Jodhpur	Dr. Pradeep Dwivedi Dr. Meenakshi Gothwal	Intramural Project 2017-18	17th Meeting 22nd May, 2018
3	AIIMS/IEC/2018/547	Dr. Surender Deora	Assistant Professor	Cardiology	Clinical presentation, Management & outcomes of Heart Failure patients in India. The Indian Heart Failure registry study (CURE-HF)	None	Non-Funded	17th Meeting 22nd May, 2018
4	AIIMS/IEC/2018/541	Dr. Ankita Chugh	Associate Professor	Dentistry	The clinical efficacy of minocycline mouthrinses on recurrent aphthous stomatitis- An Open label randomized control trial.	Dr. Vinay Kumar Chugh Dr. Surjit Singh	Non-Funded	17th Meeting 22nd May, 2018
5	AIIMS/IEC/2018/572	Dr. Jagdish Prasad Goyal	Additional Professor	Pediatrics	Parental Perception about childhood asthma and its treatment : A questionnaire based cross-sectional study	Dr. Prawin Kumar	Non-Funded	17th Meeting 22nd May, 2018
6	AIIMS/IEC/2018/573	Dr. Prawin Kumar	Assistant Professor	Pediatrics	Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study.	Dr. Jagdish Prasad Goyal	Non-Funded	17th Meeting 22nd May, 2018
7	AIIMS/IEC/2018/551	Rishabh Mehta	Student	CM&FM	Out of Pocket Expenditure (OOPs) on Non-Communicable Diseases among patients visiting a tertiary care centre at Jodhpur, India	Guide:- Dr. Pankaj Bhardwaj	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018

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/2018/540	Ms. Ananya Srivastava	Student	Psychiatry	Effectiveness of Kriya Yoga in patients with Depressive disorders: A pilot study	Guide:- Dr. Naresh Nebhinani	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
9	AIIMS/IEC/2018/556	Mr. Rajat Goyal	Student	Physiology	Effects of amlodipine and enalapril on surgical wound healing - a pilot study	Guide:-Dr. Prasunpriya Nayak	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
10	AIIMS/IEC/2018/559	Chirag Vohra	Student	CM&FM	Assessment of Knowledge, Attitudes and Practices about Antibiotic Resistance among Medical Students in India	Guide: Dr. Manoj Kumar Gupta	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
11	AIIMS/IEC/2018/562	Payal Mittal	Student	Microbiology	Clinico-Mycological Profile of Vulvovaginal Candidiasis in a Tertiary Care Hospital, Western Rajasthan	Guide: Dr. Sarika Kombade	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
12	AIIMS/IEC/2018/561	Mukesh Kumar Sharma	Student	Biochemistry	To Compare the Urinary Sodium, Protein, and Creatinine in the First and Subsequent Urine Samples From Normal Indian Neonates	Guide: Dr. Indu Saxena	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
13	AIIMS/IEC/2018/560	DVR Harshavardhan	Student	Microbiology	Quantitative Estimation of Hepatitis B Titers in Health care workers in Tertiary Care Teaching Hospital in Western region of Rajasthan	Guide: Dr. Ravisekhar Gadepalli	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018

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/2018/563	Noel Babu Jacob	Student	CM&FM	Health Utilisation, Pathway to care, Out of Pocket Health Expenditure and Cost of Illness for Patients with Silicosis	Guide: Dr. Prasanna Thirunavukkarasu	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
15	AIIMS/IEC/2018/564	Prakhar Goyal	Student	CM&FM	Physicians' Occupational Stress, Burnout and sleep quality in relation to their working environment in Government Healthcare Establishment: A Cross Sectional Study.	Guide: Dr. Neeti Rustagi	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
16	AIIMS/IEC/2018/569	Anuradha	Student	Pediatrics	Knowledge, Attitude and Practices regarding renal health among caregivers of children with renal diseases coming at Pediatrics Nephrology OPD.	Guide: Dr. Aliza Mittal	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
17	AIIMS/IEC/2018/574	Kishlay Kishan	Student	Biochemistry	Cadmium and Zinc Levels in type II Diabetes Mellitus : Pilot Study.	Guide: Dr. Shailja Sharma	ICMR (STS) 2018-19	17th Meeting 22nd May, 2018
18	AIIMS/IEC/2018/554	Preeti Singh	PhD Student	Biochemistry	Heavy metal induced DNA damage and repair in occupationally exposed population	Guide:- Dr. Praveen Sharma	Ph.D Thesis	17th Meeting 22nd May, 2018
19	AIIMS/IEC/2018/553	Dolat Singh Shekhawat	PhD Student	Pediatrics	Maternal micronutrients and infant development: A prospective, cohort study	Guide:- Dr. Kuldeep Singh	Ph.D Thesis	17th Meeting 22nd May, 2018

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
20	AIIMS/IEC/2018/549	Rutwik Shedge	PhD Student	Forensic Medicine & Toxicology	Age estimation in living: a computed tomographic study of ossification of clavicle, sternum & ribs.	Guide:- Dr. Tanuj Kanchan	Ph.D Thesis	17th Meeting 22nd May, 2018
21	AIIMS/IEC/2018/555	Taru Goyal	PhD Student	Biochemistry	Study of inflammatory markers, T cell subsets & miRNA in occupationally heavy metal exposed population	Guide:- Dr. Praveen Sharma	Ph.D Thesis	17th Meeting 22nd May, 2018
22	AIIMS/IEC/2018/557	Nikky Ramawat	PhD Student	CM&FM	Prevalence of Anemia & Associated Factors in Adolescent Girls and the Evaluation of Anemia Control Program in Selected District of Rajasthan: A Cross Sectional Study	Guide:-Dr. Pankaj Bhardwaj	Ph.D Thesis	17th Meeting 22nd May, 2018
23	AIIMS/IEC/2018/552	Lashkari Devangi	Student	Shalyatanta Dept UCA DSRRAU Jodhpur	Role of Jalaukavacharna with Devnirmitadi Kashaya in the management of Indralupta-A clinical study	Guide:- Dr. Om Prakash Dave Co-Guide: Dr. Saurabh Singh, Dr. Vishnudutt Sharma	PG Scholar	17th Meeting 22nd May, 2018
24	AIIMS/IEC/2018/575	Dr.Pankaj Bhardwaj	Associate Professor	CM&FM	Trends of caesarean section in Tertiary Level Health care facilities in Jdh	Dr.Jaykaran Charan Dr.Shashank Shekhar Dr.Pratibha Singh	Non-Funded	17th Meeting 22nd May, 2018
25	AIIMS/IEC/2018/576	Dr.Pankaj Bhardwaj	Associate Professor	CM&FM	Screening for Tuberculosis in Patients Attending NCD Clinics in Secondary and Tertiary Level Health Care Facilities at Jdh.	Dr.Jaykaran Charan Dr.Nishant Chauhan	Non-Funded	17th Meeting 22nd May, 2018

**18th Meeting of Institutional Ethics committee held on 28th June, 2018**

14 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/2018/577	Dr. Rakesh Kumar	Assistant Professor	Anesthesiology and Critical Care	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	Dr. Swati Chhabra Dr. Pradeep Bhatia Dr. Sadik Mohammed Dr. Manoj Kamal Dr. Bharat Paliwal	Non-Funded	18th Meeting 28th June, 2018
2	AIIMS/IEC/2018/585	Dr. Shankar Manoharan	Assistant Professor	IIT, Jodhpur	Hospital-associated ESKAPE pathogens: unraveling novel regulatory layers controlling virulence and persistence	Dr. Vijaya Lakshmi Nag	Extramural	18th Meeting 28th June, 2018
3	AIIMS/IEC/2018/581	Dr. Mukesh Kumar Swami	Assistant Professor	Psychiatry	Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan	Dr. Jitendra Aneja Dr. Naresh Nebhinani Dr. Pratibha Singh	Non-Funded	18th Meeting 28th June, 2018
4	AIIMS/IEC/2018/582	Dr. Tanuj Kanchan	Associate Professor	Forensic Medicine	Age estimation using developmental stages of teeth-A radiological investigation in North Western population	Dr. Vinay Chugh Dr. Ankita Chugh Dr. Vikas P Meshran	Non-Funded	18th Meeting 28th June, 2018

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/2018/583	Dr. Raghvendra Singh Shekhawat	Assistant Professor	Forensic Medicine	A study of histopathological changes in skin secondary to fatal electrocution in autopsy samples	Dr. Navneet Ateriya Dr. Meenakshi Rao Dr. Puneet Setia	Non-Funded	18th Meeting 28th June, 2018
6	AIIMS/IEC/2018/579	Mr. Himanshu Vyas	Lecturer	College of Nursing	The impact of musculoskeletal dysfunction on quality of life of pregnant women seeking antenatal care at OPD, AIIMS Jodhpur	Deviga T Mamta	Non-Funded	18th Meeting 28th June, 2018
7	AIIMS/IEC/2018/584	Dr. Meenakshi Gothwal	Assistant Professor	Obst.Gynae	Thyroid Dysfunction and its correlation with Pregnancy Outcome	Dr. Pratibha Singh Dr. Garima Yadav	Non-Funded	18th Meeting 28th June, 2018
8	AIIMS/IEC/2018/523	Dr. Saurabh Singh	Assistant Professor	Dermatology	A Multicenter Comparative Randomized Double-blind Study of the Efficacy and Safety of BCD-057 (INN: Adalimumab, CISC BIOCAD, Russia) and Humira® (INN: Adalimumab, Vetter Pharma) in Patients with Moderate to Severe Plaque Psoriasis	Dr. Pankaja Raghav	Drug Trial Project	18th Meeting 28th June, 2018
9	AIIMS/IEC/2018/586	Dr. Puneet Pareek	Associate Professor	Radiotherapy	Hepatocellular carcinoma: A Retrospective Study in Tertiary Care Centre	Dr. Sweta Sharma Dr. Satyanarayan	Retrospective Study	18th Meeting 28th June, 2018
10	AIIMS/IEC/2018/587	Dr. Puneet Pareek	Associate Professor	Radiotherapy	A retrospective study of sarcoma patients in a tertiary care centre in western India	Dr. Akanksha Solanki Dr. Satyanarayan	Retrospective Study	18th Meeting 28th June, 2018

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/2018/588	Dr.Puneet Pareek	Associate Professor	Radiotherapy	A retrospective study evaluating epidemiology and survival in locally advanced and metastatic lung cancer patients treated in AIIMS, Jodhpur	Dr. Pulkit Nag Dr. T.Joseph Rajiv	Retrospective Study	18th Meeting 28th June, 2018
12	AIIMS/IEC/2018/589	Dr.Puneet Pareek	Associate Professor	Radiotherapy	Prospective observational study assessing toxicity profile and quality of life in Gastric and Gastroesophageal cancer patients treated with FLOT regimen	Dr. Pulkit Nag Dr. T.Joseph Rajiv Dr. Akanksha Solanki	Non-Funded	18th Meeting 28th June, 2018
13	AIIMS/IEC/2018/590	Dr. Aliza Mittal	Assistant Professor	Pediatric	Indian Pediatric Chronic Kidney Disease Registry	Dr. Kuldeep Singh	Non-Funded	18th Meeting 28th June, 2018
14	AIIMS/IEC/2018/591	Dr. Praveen Sharma Dr. Kuldeep Singh	Professor & Head	Biochemistry Pediatrics	Indian Genome Project" A multi Centric Project	Prof. Madhu Dikshit, IIT Jodhpur	IISC, Bangalore DBT, DST, ICMR	18th Meeting 28th June, 2018

### 19th Meeting of Institutional Ethics committee held on 23rd Aug, 2018

21 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/2018/599	Dr. Priyanka Sethi	Assistant Professor	Anaesthesiology & Critical Care	Haemodynamic changes during induction in patients on dual antihypertensive drugs, undergoing elective surgeries under General Anaesthesia: An Observational Study	Dr. Pradeep Kumar Bhatia Dr. Bharat Paliwal Dr. Narender Kaloria Dr. Ankur Sharma	Non-Funded	19th Meeting 23rd Aug, 2018

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
2	AIIMS/IEC/2018/598	Dr. Ankur Sharma	Assistant Professor	Trauma & Emergency-Anaesthesiology	Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective, randomized study	Dr. Pradeep Kr. Bhatia Dr. Shilpa Goyal Dr. Narender Kaloria Dr. Priyanka Sethi Dr. Akhil Dhanesh Goyal	Non-Funded	19th Meeting 23rd Aug, 2018
3	AIIMS/IEC/2018/597	Dr. Charu Sharma	Assistant Professor	Obstetrics & Gynaecology	Spectrum of sexual and reproductive health problems in adolescent females in Western Rajasthan-a prospective study	Dr. Pratibha Singh Dr. Abhishek Bhardwaj Dr. Shasjank Shekhar Dr. Kuldeep Singh Dr. Meenakshi Gothwal	Non-Funded	19th Meeting 23rd Aug, 2018
4	AIIMS/IEC/2018/601	Dr. Narender Kaloria	Assistant Professor	Anaesthesiology & Critical Care	Comparison of epidural morphine versus epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, randomized control study	Dr. Pradeep Bhatia Dr. Priyanka Sethi Dr. Ankur Sharma Dr. Shilpi Goyal Dr. Mayank Garg	Non-Funded	19th Meeting 23rd Aug, 2018
5	AIIMS/IEC/2018/603	Dr. Shilpi Gupta Dixit	Additional Professor	Anatomy	HER 2 neu proto-oncogene Fluorescent in Situ Hybridization screening in cytological preparations of Gastrointestinal tract cancer	Dr. Vaibhav Varshney Dr. Jeevan Ram Dr. Puneet Pareek Dr. Pushpa Potaliya	Non-Funded	19th Meeting 23rd Aug, 2018



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/2018/605	Dr. Pradeep Bhatia	Professor & Head	Anaesthesiology & Critical Care	Single Lumen Dual Curvature Tube for Paediatric Endobronchial Intubation: A Case Series	Dr. Sadik Mohamed Dr. Rakesh Kumar Dr. Swati Chhabra Dr. Narendra Kaloria	Non-Funded	19th Meeting 23rd Aug, 2018
7	AIIMS/IEC/2018/606	Dr. Abhishek Bhardwaj	Associate Professor	Dermatology, Venereology & Leprology	Survey of number & profile of Leprosy patients seen by Dermatologists in India: a prospective nation-wide study	NA	Non-Funded	19th Meeting 23rd Aug, 2018
8	AIIMS/IEC/2018/607	Dr. Priyanka Sethi	Assistant Professor	Anaesthesiology & Critical Care	Comparison of mid-point transverse process to pleura (MTP) block and Erector spinae plane block for post operative pain in modified radical mastectomy patients: A double blinded randomized trial	Dr. Pradeep Kumar Bhatia Dr. Narender Kaloria Dr. Ankur Sharma Dr. Shilpa Goyal Dr. Neeraj Gupta	Non-Funded	19th Meeting 23rd Aug, 2018
9	AIIMS/IEC/2018/595	Dr. Puneet Pareek	Associate Professor	Radiation Oncology	A Prospective study assessing Pathological response, Toxicity Profile and Quality of Life in Carcinoma of Esophagus patients treated with neoadjuvant chemo-radiotherapy followed by surgery	Dr. Satya Narayan Dr. Sweta Sharma	Non-Funded	19th Meeting 23rd Aug, 2018

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/2018/596	Dr. Manish Pathak	Associate Professor	Pediatrics Surgery	Retrospective analysis of the descriptive data of the patients who underwent laparoscopic pyloromyotomy in the Department of Pediatric surgery, AIIMS, Jodhpur during the period of May 2016 to December 2017	Dr. Rahul Saxena Dr. Arvind Sinha Dr. Avinash Jadhav Dr. Kirti Kumar Rathor	Retrospective Study	19th Meeting 23rd Aug, 2018
11	AIIMS/IEC/2018/602	Guide: Dr. Naveen K H Student: Dr. Thota Rajasekhar	Assistant Professor	CM&FM	Exploring internet addiction and its associated factors among college students in Jodhpur - A Mixed method study	Dr. Pankaja Raghav Dr. Jitendra Aneja	M.D.Thesis	19th Meeting 23rd Aug, 2018
12	AIIMS/IEC/2016/244	Dr. Kuldeep Singh	Professor & Head	Pediatrics	To assess the prevalence of specific micronutrient deficiencies in school going children aged between 6-16 years in ten cities of India	Dr. Daisy Khera	Extramural	19th Meeting 23rd Aug, 2018
13	AIIMS/IEC/2018/600	Dr. Kuldeep Singh	Professor & Head	Paediatrics	Hospital Based Sentinel Surveillance for S. pneumoniae and other Invasive Bacterial Disease in India - Phase II	Prof. Vijaya Lakshmi Nag Dr. Anuradha Sharma Dr. Prawin Kumar	Extramural	19th Meeting 23rd Aug, 2018

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/2018/593	Dr. Sushmita Jha	Assistant Professor	IIT, Jodhpur	Expression analysis of inflammasome-forming NLRs in gliomas for identification of novel therapeutic interventions	Dr. Surajit Ghatak	Extramural	19th Meeting 23rd Aug, 2018
15	AIIMS/IEC/2018/592	Guide: Dr. Akhil Dhanesh Goel	Assistant Professor	CM&FM	Menstrual irregularities and hyperandrogenism among adolescent girls in India-a cross sectional study	Student: Anshu Arora	Intern Project	19th Meeting 23rd Aug, 2018
16	AIIMS/IEC/2018/594	Guide: Dr. Puneet Pareek	Associate Professor	Radiation Oncology	Caregiver quality of life index-cancer scale (CQOLC) translation-English to Hindi	Student: Anshu Arora	Intern Project	19th Meeting 23rd Aug, 2018
17	AIIMS/IEC/2018/604	Guide: Dr. Bikram Choudhury	Associate Professor	Otorhinolaryngology	Evaluation of the effects of early versus late anterior nasal pack removal following septoplasty in patients having symptomatic Deviated Nasal Septum	Student: Siddhant Passey	Non - ICMR STS	19th Meeting 23rd Aug, 2018
18	AIIMS/IEC/2018/611	Dr. Pankaj Bhardwaj	Associate Professor	CM&FM	Assessment of effectiveness of IT enabled Equipment Management & Maintenance System (e-upakaran) in Rajasthan.	Dr. Jaykaran Charan Dr. Nitin Kumar Joshi Dr. Prem Singh Dr. Deepak B Saxena	Extramural	19th Meeting 23rd Aug, 2018

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/2018/616	Guide: Dr. Pankaj Bhardwaj Student: Dr. Nitin Kumar Joshi	Associate Professor	CM&FM	Assessment of e-Health Initiatives in Rajasthan: HTA perspective	Dr. Jaykaran Charan	PhD Thesis	19th Meeting 23rd Aug, 2018
20	AIIMS/IEC/2018/617	Guide: Dr. Purvi Purohit Student: Anupama Modi	Associate Professor	Biochemistry	Exploring the Role of Growth Differentiation Factor-15 (GDF-15) in Stemness and Drug Resistance in Triple Negative Breast Cancer (TNBC)	Dr. Praveen Sharma Dr. Jeevan Ram Vishnoi Dr. Puneet Pareek Dr. Poonam Elhence Dr. Shailja Sharma	PhD Thesis	19th Meeting 23rd Aug, 2018
21	AIIMS/IEC/2018/618	Guide: Dr. Praveen Sharma Student: Shweta Ukey	Professor & Head	Biochemistry	Gene methylation of P16, SOCS-1, SHP-1 and miRNA expression pattern of miR 221-3p, miR133a-3p and miR 9-5p in Oral Sub Mucosal Fibrosis and Oral Submucosal Cell Carcinoma	Dr. Jeevan Ram Vishnoi Dr. Ankita Chugh Dr. Purvi Purohit Dr. Poonam Elhence Dr. Puneet Pareek	PhD Thesis	19th Meeting 23rd Aug, 2018

**20th Meeting of Institutional Ethics committee held on 24th Sept, 2018**

71 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/2018/608	Guide: Dr. Ankita Chugh Student: Dr. Shubham	Associate Professor	Dentistry	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	Dr. Archana Bajpayee Dr. Kirti Chaudhry Dutt Dr. Vinay K.Chugh	M.D.S Thesis	20th Meeting 24th Sept, 2018
2	AIIMS/IEC/2018/609	Guide: Dr. Vinay K. Chugh Student: Dr. Ritvik Vinay A.P.	Associate Professor	Dentistry	Patient Perceptions regarding premolar extraction, separator placement, microimplant insertion in Orthodontic patients: A Prospective Study	Dr. Ankita Chugh	M.D.S Thesis	20th Meeting 24th Sept, 2018
3	AIIMS/IEC/2018/610	Guide: Dr. Vinay K. Chugh Student: Dr. Navleen Kaur Bhatia	Associate Professor	Dentistry	A Comparative Evaluation of the alignment efficiency of conventional and Copper-Nickel Titanium arch wire in mandibular anterior crowding: A Randomized Control Trial	Dr. Ankita Chugh	M.D.S Thesis	20th Meeting 24th Sept, 2018
4	AIIMS/IEC/2018/615	Guide: Dr. Kirti Chaudhry Student : Dr. Nihadha PM	Associate Professor	Dentistry	Transdermal Fentanyl patch Vs Non opioid Analgesia in postoperative oral submucous fibrosis patients: "A Randomized control Trial"	Dr. Pradeep Kumar Bhatia Dr. Ankita Chugh	M.D.S Thesis	20th Meeting 24th Sept, 2018

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/2018/622	Guide: Dr. Tanuj Kanchan Student: Dr. Devendra Jadav	Associate Professor	Forensic Medicine & Toxicology	Age related changes in Thyro-hyoid apparatus: An autopsy based radiological analysis	Dr. Vikas P. Meshram Dr. Pawan Kumar Garg Dr. Arvind Sinha	M.D Thesis	20th Meeting 24th Sept, 2018
6	AIIMS/IEC/2018/630	Guide: Dr. Surjit Singh Student: Dr. Sameer Khasbage	Associate Professor	Pharmacology	A Comparative Evaluation of Duloxetine and Gabapentine in Painful Diabetic Neuropathy: A Randomized Control Trial	Dr. Praveen Sharma Dr. Ravindra Shukla Dr. Pramod Kumar Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
7	AIIMS/IEC/2018/619	Guide: Dr. Mahaveer Singh Rodha Student: Dr. Krashan Kant Premi	Associate Professor	General Surgery	A Randomized control trial to evaluate efficacy, safety to TAPP versus TEP in unilateral, uncomplicated inguinal hernia undergoing elective laparoscopic inguinal Hernia surgery	Dr. Ashok kumar Puranik Dr. Ramkaran Chaudhary Dr. Satyaprakash Meena Dr. Akhil Dhanesh Goel	M.S Thesis	20th Meeting 24th Sept, 2018
8	AIIMS/IEC/2018/620	Guide: Dr. Ashok Kumar Puranik Student: Dr. Althea Vency Cardoz	Prof. & Head	General Surgery	A prospective observational study to compare efficacy and safety of primary closure and delayed primary closure following laparotomy	Dr. Ramkaran Chaudhary Dr. Mahaveer S Rodha Dr. Ravisekhar Gadepalli Dr. Satyaprakash Meena	M.S Thesis	20th Meeting 24th Sept, 2018
9	AIIMS/IEC/2018/631	Guide: Dr. Pramod Kr. Sharma Student: Dr. Ravi Prakash Sharma	Associate Professor	Pharmacology	A Prospective randomized parallel group active controlled open label study to evaluate the effect of add-on pregabalin over standered analgesic treatment in the control of dental pain after 3rd molar surgery	Dr. Ankita Chugh Dr. Surjit Singh Dr. Pradeep Dwivedi Dr. Sabyasachi Sircar	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/634	Guide: Dr. Abhinav Dixit Student: Dr. Neelesh Gehlot	Additional Professor	Physiology	Stage wise comparison of Cognitive levels and Cytokines in Chronic Kidney Disease	Dr. Praveen Sharma Dr. Prathamesh H Kamble Dr. Nitin Bjapai	M.D Thesis	20th Meeting 24th Sept, 2018
11	AIIMS/IEC/2018/635	Guide: Dr. Indu Saxena Student: Dr. Abhilasha	Assistant Professor	Biochemistry	Evaluation of miRNAs regulating interleukin-10 and interleukin-18 levels and their receptor expression in Type 2 diabetes mellitus	Dr. Praveen Sharma Dr. Ravindra K G Shukla Dr. Kamla Kant Shukla	M.D Thesis	20th Meeting 24th Sept, 2018
12	AIIMS/IEC/2018/640	Guide: Dr. Praveen Sharma Student: Dr. Malavika L	Prof. & Head	Biochemistry	Brain Derived neurotrophic factor, neurotransmitter receptor and transporter expression and their correlation with neuro-behavioural changes in lead exposed children	Dr. Purvi Purohit Dr. Shailja Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
13	AIIMS/IEC/2018/639	Guide: Dr. Shailja Sharma Student: Dr. Gangam Saikiran	Assistant Professor	Biochemistry	Association of selenium with lead, inflammatory & oxidative markers and epigenetic modifications in occupationally lead exposed workers	Dr. Praveen Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
14	AIIMS/IEC/2018/636	Guide: Dr. Purvi Purohit Student: Dr. Dipayan Roy	Associate Professor	Biochemistry	Association of Growth Differentiation Factor-15 with Expression of miRNA and smad7 in Type II Diabetics -A Case Control Study	Dr. Praveen Sharma Dr. Ravindra Kumar G. Shukla Dr. Ramkaran Chaudhary Dr. Shrimanjanath Sankanagoudar	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/637	Guide: Dr. Bharti Mehta Student: Dr. Annu Ankita	Additional Professor	Physiology	A cross-sectional study of sleep architecture in metabolically healthy obese and metabolically abnormal obese	Dr. Praveen Sharma Dr. Prathamesh H Kamble Dr. Naveen Dutt	M.D Thesis	20th Meeting 24th Sept, 2018
16	AIIMS/IEC/2018/641	Guide: Dr. Sabyasachi Sircar Student: Dr. Preeti Kaliramana	Prof. & Head	Physiology	Cognitive Functions and TNF a & TGF b Levels in Bipolar Disorder	Dr. Praveen Sharma Dr. Abhinav Dixit Dr. Naresh Nebhinani	M.D Thesis	20th Meeting 24th Sept, 2018
17	AIIMS/IEC/2018/648	Guide: Dr. Neeti Rustagi Student: Dr. Ankit Mittal	Associate Professor	CM&FM	Behavior change among middle adolescent age group towards tobacco and diet related cancers through school-based intervention	Dr. Pankaja Raghav Dr. Prasanna T.	M.D Thesis	20th Meeting 24th Sept, 2018
18	AIIMS/IEC/2018/647	Guide: Dr. Manoj Kumar Gupta Student: Dr. Tooba Tanvir	Assistant Professor	CM&FM	Empowerment and Engagement of Adolescent Girls Regarding Reproductive Health in Rural Jodhpur: An Intervention Study	Dr. Pankaja Raghav Dr. Akhil Dhanesh Goel	M.D Thesis	20th Meeting 24th Sept, 2018
19	AIIMS/IEC/2018/646	Guide: Dr. Akhil Dhanesh Goel Student: Dr. Gyanendra Singh	Assistant Professor	CM&FM	Family-centred health education intervention for improving iron folic acid adherence and anemia reduction among ante-natal mothers in JDH	Dr. Pankaja Raghav Dr. Manoj Kumar Gupta	M.D Thesis	20th Meeting 24th Sept, 2018
20	AIIMS/IEC/2018/645	Guide: Dr. Jyotsna Naresh Bharti Student: Dr. Deepsikha	Assistant Professor	Pathology	Expression of Peroxisome proliferator activated receptor gamma (PPARg) and microsatellite instability (MSI) status in human colorectal carcinoma and correlation with clinicopathological characteristics	Dr. Poonam Abhay Elhence Dr. Meenakshi Rao Dr. Jeewan Ram Vishnoi Dr. Subhash Chandra Soni	M.D Thesis	20th Meeting 24th Sept, 2018



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
21	AIIMS/IEC/2018/623	Dr. Kirti Chaudhry	Associate Professor	Dentistry	Pain Control during Pulpectomy in irreversible pulpitis: A Randomized Parallel Double Blinded Study	Dr. Isha Srivastava Dr. Shruti Khatana	Non-Funded	20th Meeting 24th Sept, 2018
22	AIIMS/IEC/2018/624	Dr. Kirti Chaudhry	Associate Professor	Dentistry	Topical 2.5% EMLA Application versus 2% Lignocaine with Adrenaline 1:80000 Infiltration for Local Anesthesia in Small Biopsies: A Randomized Open Label Parallel Arm Study	Dr. Shruti Khatana	Non-Funded	20th Meeting 24th Sept, 2018
23	AIIMS/IEC/2018/625	Dr. Kirti Chaudhry	Associate Professor	Dentistry	Comparison of Knowledge of Post Extraction Instructions and Risk Factor between Dry Socket and Healthy Socket Patients: A Cross Sectional Study	Dr. Shruti Khatana	Non-Funded	20th Meeting 24th Sept, 2018
24	AIIMS/IEC/2018/629	Dr. Vinay K. Chugh	Associate Professor	Dentistry	Evaluation of success of two Orthodontic retainer wires on maxillary and mandibular arch retention over a 12-month period- A Randomized Control Trial	Dr. Ekta Gupta Dr. Sam Prasanth	Non-Funded	20th Meeting 24th Sept, 2018
25	AIIMS/IEC/2018/627	Dr. Vinay K. Chugh	Associate Professor	Dentistry	Evaluation of manual and rotary instrumentation techniques for bio-mechanical preparation in permanent teeth- A randomized controlled trial	Dr. Isha Srivastava Dr. Arun Kumar Patnana	Non-Funded	20th Meeting 24th Sept, 2018

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/2018/633	Mr. Himanshu Vyas	Lecturer	Nursing	Knowledge and attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur	T. Deviga Mamta	Non-Funded	20th Meeting 24th Sept, 2018
27	AIIMS/IEC/2018/613	Dr. Kapil Soni	Assistant Professor	Otorhinolaryngology	Hearing loss in Dengue: A prospective, case control study	Dr. Gopal Krishana Bohra Dr. Amit Goyal Dr. Sourabha Kumar Puro	Non-Funded	20th Meeting 24th Sept, 2018
28	AIIMS/IEC/2018/614	Dr. Kapil Soni	Assistant Professor	Otorhinolaryngology	A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing rhinoplasty	Dr. Jitendra Aneja Dr. Mukesh Kumar Swami	Non-Funded	20th Meeting 24th Sept, 2018
29	AIIMS/IEC/2018/632	Dr. Naresh Nebhinani	Associate Professor	Psychiatry	Long term Course and Outcome of Bipolar disorder: A Multicentric Study	Multicentric Project	Multicentric Project	20th Meeting 24th Sept, 2018
30	AIIMS/IEC/2018/611	Prof. Arvind Sinha	Prof. & Head	Pediatric Surgery	Laparoscopic Assisted Anorectal Pull through for Anorectal malformations in children: Our initial experience	Dr. Rahul Saxena Dr. Manish Pathak	Retrospective Study	20th Meeting 24th Sept, 2018
31	AIIMS/IEC/2018/628	Dr. Vinay K. Chugh	Associate Professor	Dentistry	Relationship between sella tucica morphology and bridging with skeletal malocclusion and Dentofacial anomalies-A retrospective study	Dr. Sam Prasanth Dr. Ekta Gupta	Retrospective Study	20th Meeting 24th Sept, 2018

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/2018/612	Dr. Manish Pathak	Associate Professor	Pediatric Surgery	Cecal Duplication Cyst-A rare disease with variable presentation and its management in era of laparoscopy	Dr. Rahul Saxena Dr. Arvind Sinha	Retrospective Study	20th Meeting 24th Sept, 2018
33	AIIMS/IEC/2018/638	Dr. Sumit Banerjee	Associate Professor	Orthopaedics	Managing Chronic/missed PCL avulsions: Perspective and Experience at a tertiary care centre	None	Prospective Case Series	20th Meeting 24th Sept, 2018
34	AIIMS/IEC/2018/643	Dr. Arvind Sinha	Professor & Head	Pediatric Surgery	Laparoscopic Inguinal Hernia Repair in Children: To cut or not to cut that is the question?	Dr. Kirtikumar Rathod Dr. Mahaveer Singh Rodha	Retrospective Study	20th Meeting 24th Sept, 2018
35	AIIMS/IEC/2018/642	Dr. Mahaveer Singh Rodha	Associate Professor	General Surgery	Multiple bilateral groin hernia: Diagnostic and treatment challenges A case report and literature review	Dr. Ashok kumar Puranik Dr. Arvind Sinha	Case Report	20th Meeting 24th Sept, 2018
36	AIIMS/IEC/2018/644	Dr. Rahul Saxena	Assistant Professor	Pediatric Surgery	Laparoscopic Assisted Transanal pull through for Rdeo Rectal Atresia	Dr. Manish Pathak Dr. Arvind Singh	Case Report	20th Meeting 24th Sept, 2018
37	AIIMS/IEC/2018/651	Guide: Dr. Vijaya Lakshmi Nag Student: Dr. Salman Khan	Professor & Head	Microbiology	Genotypic characterisation of non-tuberculous mycobacteria from clinical samples suspected of tuberculosis	Dr. Arvind Sinha Dr. Naveen Dutt Dr. Nishant K. Chauhan Dr. Gopal Kr Bohra Dr. Sarika P Kombade	M.D Thesis	20th Meeting 24th Sept, 2018
38	AIIMS/IEC/2018/652	Guide: Dr. Vijaya Lakshmi Nag Student: Dr. Parvathi.P.R.	Professor & Head	Microbiology	Seroprevalence of HIV and Detection of Acute and Early HIV-1 Infection in ICTC Attendees	Dr. Archana Bajpayee Dr. Ravisekhar Gadepalli Dr. Vibhor Tak	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/650	Guide: Dr. Ravisekhar Gadepalli Student: Dr. Alisha Aggarwal	Associate Professor	Microbiology	Clinical and Laboratory profile of Dengue Infection : A Hospital Based Study in Rajasthan, India	Dr. Vijaya Lakshmi Nag Dr. Gopal Kr Bohra Dr. Prawin Kumar Dr. Sarika P Kombade	M.D Thesis	20th Meeting 24th Sept, 2018
40	AIIMS/IEC/2018/649	Guide: Dr. Anuradha Sharma Student: Dr. Twishi Shrimali	Additional Professor	Microbiology	Detection of Causative agents of Infections Keratitis in Patients from Western Rajasthan	Dr. Anup Kumar Ghosh Dr. Arvind Kumar Morya Dr. Vibhor Tak	M.D Thesis	20th Meeting 24th Sept, 2018
41	AIIMS/IEC/2018/653	Guide: Dr. Pratibha Singh Student: Dr. Virushti P. Solanki	Professor & Head	Obstetrics & Gynecology	Comparison between International Ovarian Tumor Analysis (IOTA)-simple rules and Risk Malignancy Index (RMI) in differentiating benign and malignant adnexal masses- A prospective single blinded study	Dr. Shashank Shekhar Dr. Navdeep Kaur Ghuman Dr. Charu Sharma Dr. Binit Surekha	M.D Thesis	20th Meeting 24th Sept, 2018
42	AIIMS/IEC/2018/654	Guide: Dr. Charu Sharma Student: Dr. Payal Patwa	Assistant Professor	Obstetrics & Gynecology	Association of Gestational Diabetes Mellitus with Body Mass Index: a prospective cohort study	Dr. Shashank Shekhar Dr. Pratibha Singh Dr. Purvi Purohit Dr. Neeraj Gupta Dr. Navdeep Kaur Ghuman	M.D Thesis	20th Meeting 24th Sept, 2018
43	AIIMS/IEC/2018/655	Guide: Dr. Manu Goyal Student: Dr. Aparajita	Assistant Professor	Obstetrics & Gynecology	A Comparative study for efficacy of intravenous iron sucrose and ferric carboxymaltose for treatment of iron deficiency anaemia during pregnancy	Dr. Pratibha Singh Dr. Sashank Shekhar Dr. Praveen Sharma	M.D Thesis	20th Meeting 24th Sept, 2018

S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
44	AIIMS/IEC/2018/656	Guide: Dr. Shashank Shekhar Student: Dr. Priya Susan Mathew	Additional Professor	Obstetrics & Gynecology	A Prospective Observation Study comparing the efficacy of barbed suture and polyglactin for vaginal cuff closure in laparoscopic hysterectomy	Dr. Pratibha Singh Dr. Manu Goyal Dr. Charu Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
45	AIIMS/IEC/2018/660	Guide: Dr. Swati Chhabra Student: Dr. J Koteswara Rao	Assistant Professor	Anaesthesiology & Critical Care	Comparison of the effects of dexmedetomidine and nitroglycerin on cerebral oxygen saturation using near infrared spectroscopy in patients undergoing controlled hypotensive anaesthesia	Dr. Pradeep Bhatia Dr. Shilpa Goyal Dr. Rakesh Kumar	M.D Thesis	20th Meeting 24th Sept, 2018
46	AIIMS/IEC/2018/657	Guide: Dr. Kapil Soni Student: Dr. Sameema VV	Assistant Professor	Otorhinology	Assessment of preoperative and postoperative cardiac function in children undergoing adenotonsillectomy	Dr. Surendra Deora Dr. Amit Goyal Dr. Bikram Choudhury Dr. Darwin	M.D Thesis	20th Meeting 24th Sept, 2018
47	AIIMS/IEC/2018/658	Guide: Dr. Amit Goyal Student: Dr. Hardik Panday	Additional Professor	Otorhinology	Comparison of anteroinferior cochleostomy and round window approach of electrode insertion in veria technique of cochlear implantation	Dr. Sourabha Kumar Patro	M.D Thesis	20th Meeting 24th Sept, 2018
48	AIIMS/IEC/2018/659	Guide: Dr. Bikram Choudhury Student: Dr. Palak Gupta	Associate Professor	Otorhinology	Efficacy of Platelet-Rich Plasma on Fat Grafts in Type I Tympanoplasty	Dr. Saptarshi Mandal	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/664	Guide: Dr. Divesh Jalan Student: Dr. Kishor Kumal	Associate Professor	Orthopaedics	Safety and efficacy of apixaban and enoxaparin in patients undergoing total hip arthroplasty and total knee arthroplasty: A prospective observational study	Dr. Abhay Elhence Dr. Sumit Banerjee Dr. Pawan Kumar Garg	M.S Thesis	20th Meeting 24th Sept, 2018
50	AIIMS/IEC/2018/663	Guide: Dr. Sumit Banerjee Student: Dr. Kishor Munde	Associate Professor	Orthopaedics	Effect of platelet rich plasma on healing of autologous graft following anterior cruciate ligament reconstruction: A randomized trial	Dr. Abhay Elhence Dr. Nitesh Gahlot Dr. Taruna Yadav Dr. Saptarshi Mandal	M.S Thesis	20th Meeting 24th Sept, 2018
51	AIIMS/IEC/2018/662	Guide: Dr. Abhay Elhence Student: Dr. Sanchit Roy	Professor & Head	Orthopaedics	Anatomical factors & Functional status affecting knee pain and quality of life in patients with moderate to severe Osteoarthritis knee	Dr. Sumit Banerjee Dr. Divesh Jalan Dr. Binit Sureka	M.S Thesis	20th Meeting 24th Sept, 2018
52	AIIMS/IEC/2018/661	Guide: Dr. Shilpa Goyal Student: Dr. Vaishnavi B.D	Associate Professor	Anaesthesiology & Critical Care	Comparision of intranasal dexmedetomidine -midazolam, dexmedetomidine -ketamine and midazolam-ketamine for premedication in paediatric patients: A double blinded randomized trial	Dr. Pradeep Bhatia Dr. Ankur Sharma Dr. Priyanka Sethi Dr. Narender Kaloria	M.D Thesis	20th Meeting 24th Sept, 2018
53	AIIMS/IEC/2018/668	Guide: Dr. Daisy Khara Student: Dr. Deepthi K	Associate Professor	Pediatrics	Point of care thoracic ultrasound in patients with bronchiolitis: A Prospective Study	Dr. Kuldeep Singh Dr. Binit Sureka Dr. Bharat Choudhary	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/667	Guide: Dr. Jagdish Prasad Goyal Student: Dr. Manjesh J	Additional Professor	Pediatrics	Evaluation of Chronic Cough in Children Using Management Algorithm- A Prospective Cohort Study	Dr. Kuldeep Singh Dr. Prawin Kumar	M.D Thesis	20th Meeting 24th Sept, 2018
55	AIIMS/IEC/2018/666	Guide: Dr. Sadik Mohammed Student: Dr. Mehul Singh Gunjyal	Assistant Professor	Anaesthesiology & Critical Care	Combined versus sequential injection of 2% lignocaine and 0.5% bupivacaine for supraclavicular brachial plexus block: A double blinded randomised controlled trial	Dr. Pradeep K Bhatia Dr. Ankur Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
56	AIIMS/IEC/2018/665	Guide: Dr. Mritunjay Kumar Student: Dr. U.Anushaprasath	Associate Professor	Anaesthesiology & Critical Care	Evaluation of predictive performance of sonographic airway assessment parameters and comparison of their efficacy to predict difficult airway with clinical airway predictors	Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Narender Kalaria Dr. Bharat Paliwal Dr. Ankur Sharma	M.D Thesis	20th Meeting 24th Sept, 2018
57	AIIMS/IEC/2018/670	Guide: Dr. Binit Sureka Student: Dr. Souvik Biswas	Assistant Professor	Diagnostic & Interventional Radiology	Characterization of thyroid nodules on ultrasonography by thyroid image reporting and data system (TIRADS2017) with pathological correlation	Dr. Taruna Yadav Dr. Pushpinder Khara Dr. Poonam Elhence Dr. Amit Goyal Dr. Darwin Kaushal	M.D Thesis	20th Meeting 24th Sept, 2018
58	AIIMS/IEC/2018/669	Guide: Dr. Pawan Kumar Garg Student: Dr. Vijay Mallayya Ganakumar	Assistant Professor	Diagnostic & Interventional Radiology	Evaluation of congenital heart disease by Multi-Detector Computed Tomography in under 18-year age group: A Descriptive Study	Dr. Pushpinder Khara Dr. Taruna Yadav Dr. Binit Sureka Dr. Surender Deora Dr. Kuldeep Singh	M.D Thesis	20th Meeting 24th Sept, 2018

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/2018/671	Guide: Dr. Pushpinder Singh Khera Student: Dr. Preetham Patavardhan	Additional Professor	Diagnostic & Interventional Radiology	Evaluation of Post Thrombotic Syndrome(PTS): A Prospective Observational Study	Dr. Kuldeep Singh Dr. Pawan Kumar Garg Dr. Alok Kumar Sharma Dr. Prakash Kala	M.D Thesis	20th Meeting 24th Sept, 2018
60	AIIMS/IEC/2018/672	Guide: Dr. Dushyant Agrawal Student: Dr. Amarnath Pandey	Associate Professor	Anatomy	Clinico-Histopathological Correlation In Leprosy Patients	Dr. Surajit Ghatak Dr. Abhishek Bhardwaj Dr. Sudeep Khara	M.D Thesis	20th Meeting 24th Sept, 2018
61	AIIMS/IEC/2018/673	Guide: Dr. Ashish Kumar Nayyar Student: Dr. Kumar Sambhav	Associate Professor	Anatomy	Anatomical Variations of Corona Mortis in adult human cadavers in the Anterior Intrapelvic Approach	Dr. Renu Gupta Dr. Abhay Elhence Dr. Divesh Jalan Dr. Surajit Ghatak	M.D Thesis	20th Meeting 24th Sept, 2018
62	AIIMS/IEC/2018/675	Guide: Dr. Bharat Paliwal Student: Dr. Mussavvir Agha	Assistant Professor	Anaesthesiology & Critical Care	Comparison of low dose ketamine and low dose fentanyl on postoperative analgesia in adult patients undergoing laparoscopic abdominal surgery: A randomized double blinded controlled trial	Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Mritunjay Kumar Dr. Sadik Mohammed	M.D Thesis	20th Meeting 24th Sept, 2018
63	AIIMS/IEC/2018/674	Guide: Dr. Manoj Kumar Gupta Student: Dr. Abhishek Royal MPH Scholar (Batch 2018)	Assistant Professor	CM&FM	Role of Community System Strengthening to improve Transgender and Hijra Health in India: A Review of Literature		Permission to submit abstract for XXI Annual Conference of IAPSM UP & UK chapter	20th Meeting 24th Sept, 2018
64	AIIMS/IEC/2018/676	Guide: Dr. Manoj Kamal Student: Dr. Swathi K B	Associate Professor	Anaesthesiology & Critical Care	Comparison of postoperative analgesia by two different technique of paravertebral block: Conventional v/s Mid transverse process to pleura in Video assisted thoracic surgeries	Dr. Pradeep Bhatia Dr. Rakesh Kumar Dr. Mritunjay Kumar Dr. Swati Chabra	M.D Thesis	20th Meeting 24th Sept, 2018



S. No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
65	AIIMS/IEC/2018/681	Guide: Dr. Pushpinder Singh Khera Student: Dr. Galib Mirza N.I.	Additional Professor	Diagnostic & Interventional Radiology	Magnetic Resonance imaging in suspected acute appendicitis-Role in diagnosis and detecting alternative pathologies	Dr. Taruna Yadav Dr. Binit Sureka Dr. Pawan Garg Dr. Ashok Puranik Dr. Poonam Elhence Dr. Kuldeep Singh	M.D Thesis	20th Meeting 24th Sept, 2018
66	AIIMS/IEC/2018/677	Dr. Navdeep Kaur Ghuman	Associate Professor	Obstetrics & Gynecology	A prospective study to evaluate Quality of life and depression score in infertile couples	Dr. Naresh Nebhinani Dr. Pratibha Singh	Prospective Cohort Study	20th Meeting 24th Sept, 2018
67	AIIMS/IEC/2018/678	Dr. Rakhi Dwivedi 2nd Sem MPH Scholar SPH	2nd Sem MPH Scholar SPH	SPH	Swachh School Sustainable (3S) Modal: An experience of behaviour change among student for health promotion	Dr. Pankaj Bhardwaj Dr. Kuldeep Singh Dr. Divya Goswami Dr. Pratibha Purohit Dr. Rashmi Kaushal Dr. Mamta Patel Dr. Dipti Mathur Dr. Nitin Joshi	Abstract for Amrita International Public Health Conference 2018, Kochi, India	20th Meeting 24th Sept, 2018
68	AIIMS/IEC/2018/679	Dr. Divya Goswami 2nd Sem MPH Scholar SPH	2nd Sem MPH Scholar SPH	SPH	Internet of things (IOT): A potential tool for improving Public health in India	Dr. Pankaj Bhardwaj Dr. Kuldeep Singh Dr. Rakhi Dwivedi Dr. Nitin Joshi	Abstract for Amrita International Public Health Conference 2018, Kochi, India	20th Meeting 24th Sept, 2018
69	AIIMS/IEC/2018/680	Guide: Dr. Pankaj Bhardwaj Student: Dr. Girish Chandra Dash MPH Bath-2018 SPH	SPH	SPH	Epidemiological Profile of vector borne diseases in Jodhpur District: A Situation Analysis	Dr. Nitin Joshi	SPH	20th Meeting 24th Sept, 2018

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/2018/682	Guide: Dr. Kuldeep Singh Student: Dr. Bairapaga Harshini	Professor & Head	Paediatrics	An Observational Study of patient characteristics and outcome patterns in children with diabetic ketoacidosis managed with british society for pediatric endocrinology and diabetes (Bsped) 2015 guidelines	Dr. Bharat Choudhary Dr. Varuna Vyas	M.D.Thesis	20th Meeting 24th Sept, 2018
71	AIIMS/IEC/2018/683	Guide: Dr. Gopal Krishana Bohra Student: Dr. Parag Vijayvergia	Assistant Professor	General Medicine	Study of inflammatory milieu in rheumatoid arthritis and it's correlation with disease severity	Dr. Kuldeep Singh Dr. Kamlakant Shukla	M.D.Thesis	20th Meeting 24th Sept, 2018

### 21st Meeting of Institutional Ethics committee held on 15th Nov, 2018

10 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/2018/685	Dr. Manoj Kamal	Associate Professor	Anaesthesiology & Critical Care	Real-time in plane ultrasound guided thoracic epidural placement in infants undergoing abdominal surgeries: A case series	Dr. Mritunjay Kumar Dr. Pradeep Bhatia Dr. Pooja Bihani Dr. Kirti Rathod Dr. Bharat Paliwal	Non-Funded	21st Meeting 15th Nov, 2018
2	AIIMS/IEC/2018/705	Prof. Rajesh Sharma	Professor	Physiology	Study of correlation between Peak Expiratory Flow Rate (PEFR) and Valsalva Ratio	Dr. Shival Srivastav Dr. Prathamesh Kamble Prof. Sabyasachi Sircar	Non-Funded	21st Meeting 15th Nov, 2018

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/2018/691	Dr. Varuna Vyas	Assistant Professor	Pediatrics	Anthropometric profile, Growth and Puberty in children with Type 1 Diabetes Mellitus	Dr. Kuldeep Singh Dr. Jagdish Prasad Goyal	Non-Funded	21st Meeting 15th Nov, 2018
4	AIIMS/IEC/2018/694	Dr. Shilpa Goyal	Associate Professor	Anaesthesiology & Critical Care	Attitude and knowledge of medical undergraduate students towards Basic Life Support: A cross sectional study	Dr. Ankur Sharam Dr. Pradeep K. Bhatia	Non-Funded	21st Meeting 15th Nov, 2018
5	AIIMS/IEC/2018/690	Dr. Shrimanjanath Sankanagoudar	Assistant Professor	Biochemistry	Evaluation of LDL cholesterol assay in hypothyroidism-the suitable formula for calculated LDL cholesterol in comparison with direct assay	Dr. Praveen Sharma Dr. Sojit Tomo	Non-Funded	21st Meeting 15th Nov, 2018
6	AIIMS/IEC/2018/693	Dr. Ankur Sharma	Assistant Professor	Trauma & Emergency (Anaesthesiology)	Attitude of medical undergraduate students' towards anesthesia as a future career : A cross sectional study	Dr. Shilpa Goyal Dr. Pradeep K. Bhatia	Non-Funded	21st Meeting 15th Nov, 2018
7	AIIMS/IEC/2018/699	Dr. Navdeep Kaur Ghuman	Associate Professor	Obstetrics & Gynecology	What is a good egg number in assisted reproduction ?	Dr. Pratibha Singh	Non-Funded	21st Meeting 15th Nov, 2018

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/2018/689	Dr. Vinay K. Chugh	Associate Professor	Dentistry	Comparison of Cephalometric Analysis Using Two Imaging Softwares-A Retrospective Study	Dr. Sam Prasanth Dr. Ekta Gupta	Non-Funded	21st Meeting 15th Nov, 2018
9	AIIMS/IEC/2018/686	Dr. Pradeep Bhatia	Professor & Head	Anaesthesiology & Critical Care	Extubation strategies in Neuro-Intensive care unit patients and associations with Outcome (ENIO) study - a multicentre international observational study.	Dr. Bharat Paliwal	A Multicentre International Observational Study.	21st Meeting 15th Nov, 2018
10	AIIMS/IEC/2018/729	Mr. S.K. Mohanasundari	Tutor /Clinical Instructors	College of Nursing	A study to assess the effectiveness of music therapy and visual imagery techniques versus conventional interventions on preoperative anxiety among children undergoing surgeries in selected hospitals of Rajasthan	Dr. A. Padmaja Dr. Kirtikumar J Rathod	Ph.D scholar in INC in collaboration with RGUHS	21st Meeting 15th Nov, 2018

**22nd Meeting of Institutional Ethics committee held on 22nd Dec, 2018**

80 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/2018/734	Dr. Jagdish Prasad Goyal	Additional Professor	Pediatrics	Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospitals across India and develop registry	Dr. Prawin Kumar Dr. Daisy Kera Dr. Kuldeep Singh	Extramural	22nd Meeting 22nd Dec, 2018
2	AIIMS/IEC/2018/737	Dr. Neeraj Gupta	Associate Professor	Neonatology	Burden of multidrug-resistant neonatal sepsis in district hospital settings in India	Dr. Kuldeep Singh Dr. Vijay Lakshmi Nag Dr. Anuradha Sharma Other than AIIMS, Jodhpur Dr. Balraj Singh Panwar Dr. Kamal Kishore Mundra Dr. Dhannaram Gossai	Extramural	22nd Meeting 22nd Dec, 2018
3	AIIMS/IEC/2018/735	Dr. Nadeeep Kaur Ghuman	Associate Professor	Gynaecology	Comparison of Pain score between Foleys catheter and Leech Wilkinson HSG cannula use in Hysterosalpingography	Dr. Pratibha Singh	Non-Funded	22nd Meeting 22nd Dec, 2018
4	AIIMS/IEC/2018/719	Dr. Kuldeep Singh	Professor & Head	Pediatrics	Spectrum of Genetic Disorders at AIIMS Jodhpur and an evaluation of diagnostic Approaches	Dr. Pratibha Singh Dr. Varuna Vyas	Non-Funded	22nd Meeting 22nd Dec, 2018
5	AIIMS/IEC/2018/738	Dr. Nishant Kumar Chauhan	Associate Professor	Pulmonary Medicine	Assessment of diaphragm functions using ultrasonography among patients with COPD	Dr. Gopal Chawla Dr. Naveen Dutt Dr. Ramniwas	Non-Funded	22nd Meeting 22nd Dec, 2018

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/2018/740	Dr. Gautam Ram Choudhary	Associate Professor	Urology	Retrospective observational study of patients with carcinoma urinary bladder	Dr. Himanshu Pandey	Non-Funded	22nd Meeting 22nd Dec, 2018
7	AIIMS/IEC/2018/742	Guide: Dr. Indu Saxena PG Student: Ms. Smriti Suri	Assistant Professor	Biochemistry	Study of Anti-and Pro-Inflammatory Interleukin (IL-2, IL-18) Levels in Normal and Newly Diagnosed Type 2	Dr. Praveen Sharma Dr. M.K.Garg Dr. Gopal Krishna Bohra	Thesis	22nd Meeting 22nd Dec, 2018
8	AIIMS/IEC/2018/743	Guide: Dr. Purvi Purohit PG Student: Ms. Riddhi Girdhar Agarwal	Associate Professor	Biochemistry	Analyzing expression of circulating has-miR-21 and GDF15 in Diabetic Nephropathy-Pilot study	Dr. Praveen Sharma Dr. M.K.Garg Dr. Gopal Krishna Bohra Dr. Nitin Kumar Bajpai	Thesis	22nd Meeting 22nd Dec, 2018
9	AIIMS/IEC/2018/748	Dr. Praveen Sharma	Professor & Head	Biochemistry	Assessment of oxidative, genotoxic and global epigenetic alterations in occupationally lead (Pb) exposed workers of Jodhpur	Dr. Shailja Sharma	Intramural Project 2018-19	22nd Meeting 22nd Dec, 2018
10	AIIMS/IEC/2018/709	Guide Prof.(Dr.) Raj Rani Co-Guide Mr. Rishi Dutt Avasthi	Professor Cum Principal	College of Nursing	Immunization status of underfive children in selected urban area of community, Jodhpur	Akanksha Amanpreet Kaur Anita Choudhary Anita Prajapti Anita Senwar Anjali Sindhu Anju Rani	Group Research	22nd Meeting 22nd Dec, 2018
11	AIIMS/IEC/2018/710	Guide Dr. Ashok Kumar Co-Guide Ms. Mamta Choudhary	Associate Professor	College of Nursing	Peer Caring Behavior among B.Sc. (Hons.) Nursing Students at AIIMS, Jodhpur	Asha Avantika Gulab Jyoti Katewa Jyoti Nanda Kalpana Kanika	Group Research	22nd Meeting 22nd Dec, 2018
12	AIIMS/IEC/2018/711	Guide Mr. Mukesh Chandra Sharma Co-Guide Mr. Raghu VA	Associate Professor	College of Nursing	Knowledge and Expressed Practice regarding maintenance of cleanliness in hospital premises among Patient's relatives at AIIMS, Jodhpur	Komal Koral Choudhary Krishna Chhangani Kriti Panwar Manju Manju Dindor Mehak Saini	Group Research	22nd Meeting 22nd Dec, 2018

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/2018/712	Guide Ms. Mamta Co-Guide Ms. Meenakshi	Lecturer	College of Nursing	Knowledge and attitude regarding fire safety preparedness among Nursing Officers at IPD of AIIMS, Jodhpur	Monika Monika Kumari Neeru Neha Patiyal Nidhi Nidhi Patiyal Nikita	Group Research	22nd Meeting 22nd Dec, 2018
14	AIIMS/IEC/2018/713	Guide Mr. Himanshu Vyas Co-Guide T.Deviga	Lecturer	College of Nursing	Knowledge regarding prevention of child abuse among parents at selected Rural area of Jodhpur	Nirmala Kumari Nisha Yadav Parmeshwari Pooja Pooja Pooja Poonia Preeti Kumari Bairwa	Group Research	22nd Meeting 22nd Dec, 2018
15	AIIMS/IEC/2018/714	Guide Mrs. Remiya Mohan Co-Guide Ms. SK Mohanasundari	Lecturer	College of Nursing	Knowledge regarding care of New born among postnatal mother at AIIMS, Jodhpur	Preeti Sharma Preeti Verma Priya Rathore Priyanshi Dixit Rajni Rinkal Jangid Ritika Sahotra	Group Research	22nd Meeting 22nd Dec, 2018
16	AIIMS/IEC/2018/715	Guide Mrs. Vandna Panday Co-Guide Mrs. Nancy Kurien	Lecturer	College of Nursing	Knowledge Regarding prevention of Rabies among General Population of community residing at Pratap Nagar, Jodhpur, Rajasthan	Sangeeta Ghintala Sharda Saini Shivani Chauhan Shweta Sharma Sonali Sharma Suman Suman Bhatia	Group Research	22nd Meeting 22nd Dec, 2018
17	AIIMS/IEC/2018/716	Guide Mr. Aashish Parihar Co-Guide Mr. IB Mudakavi	Lecturer	College of Nursing	Attitude towards mental illness among people attending OPD at AIIMS, Jodhpur	Suman Choudhary Sunita Kumari Chaudhary Sushila Sepat Uttam Bugalia Varsha Katara Vinya Negi Vishakha Gharu Yogesh Kumari	Group Research	22nd Meeting 22nd Dec, 2018

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/2018/720	Guide Dr. Pankaj Bhardwaj Co-Guide Dr. Nitin Joshi Dr. Yogesh Jain	School of Public Health (SPH)	School of Public Health (SPH)	Challenges faced by frontline health workers during vector borne disease surveillance in Pratap nagar area Jodhpur	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash Dr. Mamta Patel Dr. Pratibha Vyas	Group Research	22nd Meeting 22nd Dec, 2018
19	AIIMS/IEC/2018/721	Guide: Dr. Pankaj Bhardwaj Co-Guide Dr. Nitin Joshi Dr. Yogesh Jain	School of Public Health (SPH)	School of Public Health (SPH)	Assessment of Vector borne diseases awareness program in a secondary school in Jodhpur	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash Dr. Mamta Patel Dr. Pratibha Vyas	Group Research	22nd Meeting 22nd Dec, 2018
20	AIIMS/IEC/2018/722	Guide Dr. Akhil Dhanesh Goel Co-Guide Dr. Nitin Joshi	School of Public Health (SPH)	School of Public Health (SPH)	Community knowledge, awareness and preventive practices regarding dengue fever in Pratap nagar, Jodhpur	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash Dr. Mamta Patel Dr. Pratibha Vyas	Group Research	22nd Meeting 22nd Dec, 2018
21	AIIMS/IEC/2018/723	Guide Dr. Kuldeep Singh Co-Guide Dr. Nitin Joshi	School of Public Health (SPH)	School of Public Health (SPH)	Pre and post intervention evaluation during a dengue surveillance in dengue surveillance in dengue endemic area of Jodhpur District	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash Dr. Mamta Patel Dr. Pratibha Vyas	Group Research	22nd Meeting 22nd Dec, 2018
22	AIIMS/IEC/2018/724	Guide: Dr. Kuldeep Singh Dr. Akhil Dhanesh Goel Co-Guide Dr. Nitin Joshi	School of Public Health (SPH)	School of Public Health (SPH)	Entomological indices taken during dengue survey in Pratap nagar area in Jodhpur	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash Dr. Mamta Patel Dr. Pratibha Vyas	Group Research	22nd Meeting 22nd Dec, 2018



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/2018/725	Guide: Dr. Kuldeep Singh Dr. Pankaj Bhardwaj Co-Guide Dr. Nitin Joshi	School of Public Health (SPH)	School of Public Health (SPH)	Perceptons of non-responders in community based NCD survey	Dr. Rakhi Dwivedi Dr. Divya Goswami	Group Research	22nd Meeting 22nd Dec, 2018
24	AIIMS/IEC/2018/726	Guide: Dr. Pankaj Bhardwaj Co-Guide: Dr. Shashank Shekhar	School of Public Health (SPH)	School of Public Health (SPH)	Awareness of cervical cancer screening among female staff nurses of primary, secondary and tertiary care centres in Jodhpur	Dr. Rashmi Kaushal Dr. Deepti Mathur Dr. Girish Chandra Dash	Group Research	22nd Meeting 22nd Dec, 2018
25	AIIMS/IEC/2018/727	Guide: Dr. Akhil Dhanesh Goel Dr. Pankaj Bhardwaj	School of Public Health (SPH)	School of Public Health (SPH)	Review of studies on caregiver burden using Zarit burden scale in India	Dr. Archana Kumawat Dr. Kavita Choudhary Dr. Mrinalini Mingwal	Group Research	22nd Meeting 22nd Dec, 2018
26	AIIMS/IEC/2018/728	Guide: Dr. Akhil Dhanesh Goel Dr. Pankaj Bhardwaj	School of Public Health (SPH)	School of Public Health (SPH)	Prevalence of depression in Antenatal period-A Systematic Review	Dr. Archana Kumawat Dr. Kavita Choudhary Dr. Mrinalini Mingwal	Group Research	22nd Meeting 22nd Dec, 2018
27	AIIMS/IEC/2018/733	Guide: Dr. Manoj Kumar Gupta	School of Public Health (SPH)	School of Public Health (SPH)	Depression among school going Adolescents in urban area of Jodhpur district	Dr. Mrinalini Mingwal	Group Research	22nd Meeting 22nd Dec, 2018
28	AIIMS/IEC/2018/765	Dr. Deepak Chhabra	Anaesthesiology & Critical Care	Dr. Pradeep Kumar Bhatia	A study to ascertain the target concentration of propofol to achieve bispectral index guided sedation for monitored anaesthesia care using target-controlled infusion.	Dr. Priyanka Sethi Dr. Narender Kaloria	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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/2018/745	Dr. Tanya Mital	Anaesthesiology & Critical Care	Dr. Manoj Kamal	Comparison of Landmark Vs Real-time Ultrasound Technique for epidural needle placement in Paediatric Patients: A Randomized Control Trial.	Dr. Mritunjay Kumar Dr. Rakesh Kumar Dr. Pradeep Kumar Bhatia	M.D. Thesis	22nd Meeting 22nd Dec, 2018
30	AIIMS/IEC/2018/746	Dr. Anupama	Anaesthesiology & Critical Care	Dr. Swati Chhabra	Comparison of oropharyngeal leak pressure and insertion characteristics of Ambu AuraGain and I gel in patients undergoing laparoscopic inguinal hernia repair: A Randomized Control Trial.	Dr. Pradeep Bhatia Dr. Manoj Kamal	M.D. Thesis	22nd Meeting 22nd Dec, 2018
31	AIIMS/IEC/2018/750	Dr. N Balakrishnan	Anaesthesiology & Critical Care	Dr. Rakesh Kumar	Effect of pneumoperitoneum on oropharyngeal seal pressure of Proseal LMA, and Baska mask in patients undergoing laparoscopic cholecystectomy: A Randomized Control Trial.	Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Mritunjay Kumar Dr. Sadik Mohammed	M.D. Thesis	22nd Meeting 22nd Dec, 2018
32	AIIMS/IEC/2018/751	Dr. Nehal C Singh	Anaesthesiology & Critical Care	Dr. Shilpa Goyal	Comparison of Lidocaine Spray, Buzzy® Device with conventional technique to reduce pain of I.V. Cannulation in paediatric Patients: A Randomised Controlled Trial.	Dr. Pradeep Kumar Bhatia Dr. Ankur Sharma Dr. Nikhil Kothari Dr. Narendra Kaloria	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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/2018/760	Dr. Hariprasad. R	Anaesthesiology & Critical Care	Dr. Bharat Paliwal	Comparison of effect of caffeine and aminophylline on recovery from Total intravenous anaesthesia with propofol and fentanyl in laparoscopic Hysterectomy: A Randomized Double-Blinded Controlled Trial	Dr. Pradeep Bhatia Dr. Manoj Kamal	M.D. Thesis	22nd Meeting 22nd Dec, 2018
34	AIIMS/IEC/2018/754	Dr. Nilay Pal	Anaesthesiology & Critical Care	Dr. Nikhil Kothari	Comparison of Fascia Iliaca Compartment Block with Adductor Canal Block for Post Operative Analgesia in Total Knee Replacement Surgery: A Randomised Controlled Trial.	Dr. Pradeep Kumar Bhatia Dr. Abhay Elhence Dr. Shilpa Goyal Dr. Swati Chhabra Dr. Narendra Kaloria Dr. Ankur Sharma	M.D. Thesis	22nd Meeting 22nd Dec, 2018
35	AIIMS/IEC/2018/747	Dr. Garima Singh	Community Medicine & Family Medicine	Dr. Pankaja Ravi Raghav	Epidemiology of different cancers and health seeking behavior of cancer patients in rural Jodhpur: A mixed method study.	Dr. Neeti Rustagi	M.D. Thesis	22nd Meeting 22nd Dec, 2018
36	AIIMS/IEC/2018/749	Dr. Vinod Kumar Ramavath	Community Medicine & Family Medicine	Dr. Pankaj Bhardwaj	Assesment of nutritional status and its association with functional ability, dependency and selected co-morbidities in geriatric population of rural Jodhpur.	Dr. Akhil Dhanesh Goel Dr. Prem Prakash Sharma	M.D. Thesis	22nd Meeting 22nd Dec, 2018
37	AIIMS/IEC/2018/753	Dr. Rinkle	Dentistry	Dr. Vinay Kumar Chugh	Friction vs Frictionless Mechanics During En-masse retraction in orthodontic patients: A Randomized Control Trial.	Dr. Ankita Chugh	M.D.S. Thesis	22nd Meeting 22nd Dec, 2018

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38	AIIMS/IEC/2018/752	Dr. Renuka	Dentistry	Dr. Vinay Kumar Chugh	Effect of different arch forms on buccal corridor spaces and smile Esthetics.	Dr. Ankita Chugh	M.D.S. Thesis	22nd Meeting 22nd Dec, 2018
39	AIIMS/IEC/2018/762	Dr. Yash Kumar Parihar	General Surgery	Dr. Mahendra Lodha	A Randomized control trial between additional fenestration of pseudosac vs standardized procedure in Elective Laproscopic direct Inguinal Hernia Surgery.	Dr. Ashok Kumar Puranik Dr. Ramkaran Chaudhary Dr. Mahaveer Singh Rodha Dr. Binit Sureka Dr. Satya Prakash Meena	M.S. Thesis	22nd Meeting 22nd Dec, 2018
40	AIIMS/IEC/2018/774	Dr. Suruthi B	General Surgery	Dr. Ramkaran Chaudhary	Outcomes of Early Laparoscopic surgery in Intestinal Obstruction.	Dr. Ashok Puranik Dr. Mahaveer Singh Rodha Dr. Mahendra Lodha Dr. Satya Prakash Meena	M.S. Thesis	22nd Meeting 22nd Dec, 2018
41	AIIMS/IEC/2018/756	Dr. S. Rohit	Neonatology (Paediatrics)	Dr. Neeraj Gupta	25% Dextrose vs 24% Sucrose for procedural pain control in Preterm Neonates (28-35 <sup>6/7</sup> Weeks): A Randomized Controlled Non-Inferiority Trial.	Dr. Kuldeep Singh	D.M. Thesis	22nd Meeting 22nd Dec, 2018
42	AIIMS/IEC/2018/757	Dr. Bharti	Neonatology (Paediatrics)	Dr. Neeraj Gupta	Efficacy of 800 IU Versus 400 IU per day of oral Vitamin D3 supplementation on Vitamin D sufficiency in Healthy, Breastfed Infants: A Randomized Controlled Trial.	Dr. Kuldeep Singh Dr. Praveen Sharma Dr. Purvi Purohit	D.M. Thesis	22nd Meeting 22nd Dec, 2018

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43	AIIMS/IEC/2018/775	Dr. Jony Agarwal	Nephrology	Dr. Nitin Kumar Bajpai	Diagnostic utility of Urinary Neutrophil Gelatinase Associated Lipocalin(NGAL) in predicting severity of acute Kidney Injury.	Dr. Kuldeep Singh Dr. Nikhil Kothari Dr. Gopal Krishna Bohra	D.M. Thesis	22nd Meeting 22nd Dec, 2018
44	AIIMS/IEC/2018/764	Dr. C. Malsawmkima	Nephrology	Dr. Nitin Kumar Bajpai	Effect of Granulocyte colony stimulating factor on Erythropoietin hyporesponsive anemia in Chronic Kidney Disease patients on hemodialysis.	Dr. Kuldeep Singh Dr. Abhishek Purohit	D.M. Thesis	22nd Meeting 22nd Dec, 2018
45	AIIMS/IEC/2018/768	Dr. Shailendra Kumar	Oral & Maxillofacial Surgery (Dentistry)	Dr. Kirti Chaudhry Dutt	Mandible condylar fracture treatment: Y-Shaped Plate Vs Trapezoidal Condylar Plate: A Randomized Controlled Trial	Dr. Rajesh Kumar Sharma Dr. Ankita Chugh	M.D.S. Thesis	22nd Meeting 22nd Dec, 2018
46	AIIMS/IEC/2018/769	Dr. Gigi P.G.	Oral & Maxillofacial Surgery (Dentistry)	Dr. Ankita Chugh	Comparison of effect of subcutaneous injection of Teriparatide and combination of Cissus Quadrangularis and Dalbergia sissoo (Tablet Reunion) on bone healing against control group in patients of maxillofacial fractures: A Randomized Open label Controlled Trial.	Dr. Surjit Singh Dr. Vinay Kumar Chugh Dr. Kirti Chaudhry	M.D.S. Thesis	22nd Meeting 22nd Dec, 2018
47	AIIMS/IEC/2018/767	Dr. Harshita Bamnawat	Paediatrics	Dr. Kuldeep Singh	Hypertension amongst adolescents with physical signs and symptoms of stress using Ambulatory Blood Pressure Monitoring.	Dr. Aliza Mittal Dr. Surender Deora Dr. Mukesh Swami	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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48	AIIMS/IEC/2018/758	Dr. Souvik Saha	Pathology	Dr. Poonam Elhence	Expression of Vascular Endothelial Growth Factor (VEGF), CXCR4 and microvessel density in cases of Renal Cell Carcinoma (RCC).	Dr. Jyotsna Naresh Bharti Dr. Sudeep Khara Dr. Gautam Ram Choudhary Dr. Himansu Pandey	M.S. Thesis	22nd Meeting 22nd Dec, 2018
49	AIIMS/IEC/2018/763	Dr. Arsha B S	Pathology	Dr. Aasma Nalwa	Human Epidermal growth factor receptor 2/neu expression and its prognostic significance in Muscle Invasive Urothelial Carcinoma.	Dr. Poonam Elhence Dr. Jyotsna Naresh Bharti Dr. Himanshu Pandey Dr. Gautam Ram Choudhary	M.D. Thesis	22nd Meeting 22nd Dec, 2018
50	AIIMS/IEC/2018/759	Dr. Madhubala	Pathology	Dr. Meenakshi Rao	Expression of Programmed cell Death Ligand 1 Mismatch Repair status in epithelial ovarian carcinomas and endometrial carcinomas.	Dr. Poonam Elhence Dr. Jyotsna Naresh Bharti Dr. Garima Yadav Dr. Pratibha Singh	M.D. Thesis	22nd Meeting 22nd Dec, 2018
51	AIIMS/IEC/2018/766	Dr. Jashan Mittal	Pediatrics	Dr. Jagdish Prasad Goyal	Correlation of vitamin D level with disease severity in infants with bronchiolitis.	Dr. Kuldeep Singh Dr. Prawin Kumar	M.D. Thesis	22nd Meeting 22nd Dec, 2018
52	AIIMS/IEC/2018/779	Dr. V. Saranya	Pediatrics	Dr. Daisy Khara	Evaluation of diaphragmatic thickness by ultrasonography in mechanically ventilated children for assessment of extubation success: A prospective observational study.	Dr. Binit Sureka Dr. Kuldeep Singh Dr. Bharat Choudhary	M.D. Thesis	22nd Meeting 22nd Dec, 2018
53	AIIMS/IEC/2018/744	Dr. Jyoti Sharma	Pharmacology	Dr. Pradeep Dwivedi	Study the population pharmacokinetic of clozapine in patients with treatment resistant schizophrenia.	Dr. Sneha Ambwani Dr. Naresh Nebhinani Dr. Praveen Sharma	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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54	AIIMS/IEC/2018/761	Dr. Milan Nathvani	Psychiatry	Dr. Mukesh Swami	Prevalence and Predictive factors of the delirium in intensive care unit.	Dr. Pradeep Kumar Bhatia Dr. Naresh Nebhinani	M.D. Thesis	22nd Meeting 22nd Dec, 2018
55	AIIMS/IEC/2018/778	Dr. Gautam Sudhakar N	Psychiatry	Dr. Jitender Aneja	A longitudinal study to assess the prevalence of delirium in patients admitted to paediatric intensive care unit in a tertiary care hospital.	Dr. Kuldeep Singh Dr. Pratibha Gehlawat Dr. Daisy Khera	M.D. Thesis	22nd Meeting 22nd Dec, 2018
56	AIIMS/IEC/2018/773	Dr. Nithish Pravin. D	Radiology	Dr. Pushpinder Singh Khera	Evaluation of procedural parameters and complications of Diagnostic Cerebral Angiography.	Dr. Pawan Kumar Garg Dr. Sarbesh Tiwari Dr. Suryanarayanan Bhaskar Dr. Taruna Yadav	M.D. Thesis	22nd Meeting 22nd Dec, 2018
57	AIIMS/IEC/2018/772	Dr. Balwant Rai	Radiology	Dr. Binit Sureka	Role of Diffusion-Weighted Magnetic Resonance Imaging in non-invasive diagnosis of infection in pancreatic collections.	Dr. Pushpinder Singh Khera Dr. Mahendra Kumar Garg Dr. Vijaya Lakshmi Nag Dr. Vaibhav Kumar Varshney	M.D. Thesis	22nd Meeting 22nd Dec, 2018
58	AIIMS/IEC/2018/770	Dr. Sabha Ahmed	Radiology	Dr. Pushpinder Singh Khera	Comparative analysis of arterial spin labeling and dynamic susceptibility contrast perfusion imaging in brain neoplasms.	Dr. Sarbesh Tiwari Dr. Poonam Elhence Dr. Suryanarayanan Bhaskar Dr. Puneet Pareek Dr. Taruna Yadav	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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59	AIIMS/IEC/2018/771	Dr. Mufeed A. K	Radiology	Dr. Pawan Kumar Garg	Evaluation of computed tomography perfusion parameters in lung masses with histopathology correlation.	Dr. Pushpinder Khara Dr. Binit Sureka Dr. Poonam Elhence Dr. Puneet Pareek Dr. Nishant Kumar Chouhan	M.D. Thesis	22nd Meeting 22nd Dec, 2018
60	AIIMS/IEC/2018/777	Dr. Sunita Suman	Surgical Gastroenterology	Dr. Vaibhav Kumar Varshney	Hellar's Myotomy with dor versus toupet fundoplication for Achalasia Cardia: Comparative Analysis.	Dr. Subhash Chandra Soni Dr. Ashok Kumar Puranik	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018
61	AIIMS/IEC/2018/776	Dr. Sreesanth K S	Surgical Gastroenterology	Dr. Shubhash Chandra Soni	Outcomes of Enhanced Recovery After Surgery (ERAS) Protocol in Patients undergoing minimally invasive Oesophagectomy for Carcinoma Oesophagus.	Dr. Vaibhav Kumar Varshney Dr. Pradeep Kumar Bhatia Dr. Ashok Kumar Puranik	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018
62	AIIMS/IEC/2018/755	Dr. M Arun	Transfusion Medicine & Blood Bank	Dr. Archana Bajpayee	Effect of Therapeutic Plasma Exchange on ANCA and Anti-GBM antibodies in Patients of ANCA associated Rapidly Progressive Glomerulonephritis and Anti-GBM Disease.	Dr. Praveen Sharma Dr. Nitin Bajpai Dr. Saptarshi Mandal Dr. Sudeep Khara Dr. Aasma Nalwa	M.D. Thesis	22nd Meeting 22nd Dec, 2018
63	AIIMS/IEC/2018/741	Dr. Prateek Gupta	Urology	Dr. Gautam Ram Choudhary	Air Pyelogram vs Contrast Pyelogram for initial puncture access in Percutaneous Nephrolithotomy (PCNL)- A randomized Controlled Trial.	Dr. Himanshu Pandey Dr. Arvind Sinha	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018



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64	AIIMS/IEC/2018/781	Dr. Sulabh Sahu	Ophthalmology	Dr. Arvind Kumar Morya	Comparison of effectiveness of Binocular polarized video games for Amblyopia vs Conventional Occlusion therapy for Treatment of Amblyopia in Children.	Dr. Pankaja Ravi Raghav	M.D. Thesis	22nd Meeting 22nd Dec, 2018
65	AIIMS/IEC/2018/780	Dr. Sonalika Gogia	Ophthalmology	Dr. Arvind Kumar Morya	Effectiveness of using dexmedetomidine as an adjunct to local Anaesthesia in Peribulbar block in Ocular Surgeries.	Dr. Pradeep Bhatia	M.D. Thesis	22nd Meeting 22nd Dec, 2018
66	AIIMS/IEC/2018/782	Dr. Amith Mohan	Radiotherapy	Dr. Puneet Pareek	Neurocognitive and radiological changes in patients treated with SRS/FSRT in Brain	Dr. Deepak Kumar Jha Dr. Amit Goyal Dr. Naresh Nebhinani Dr. Sarbesh Tiwari	M.D. Thesis	22nd Meeting 22nd Dec, 2018
67	AIIMS/IEC/2018/795	Dr. Saurabh Kumar	General Medicine	Dr. Mahendra Kumar Garg	Clinical Profile and Etiology of pleural Effusion in Chronic Kidney Disease stage 5D Patients.	Dr. Naveen Dutt Dr. Surender Deora Dr. Nitin Kumar Bajpai	M.D. Thesis	22nd Meeting 22nd Dec, 2018
68	AIIMS/IEC/2018/793	Dr. Akhilesh Kumar P H	General Medicine	Dr. Mahendra Kumar Garg	Study on autonomic dysfunction in young diabetic patients.	Dr. Rajesh Sharma Dr. Ravindra Kumar G Shukla	M.D. Thesis	22nd Meeting 22nd Dec, 2018
69	AIIMS/IEC/2018/790	Dr. Neeraja Vijayan	General Medicine	Dr. Mahendra Kumar Garg	Clinical Profile of pulmonary manifestations in rheumatoid arthritis and role of serum biomarkers in rheumatoid arthritis associated interstitial lung disease.	Dr. Maya Gopalakrishnan Dr. Naveen Dutt Dr. Pawan Kumar Garg Dr. Kamla Kant Shukla	M.D. Thesis	22nd Meeting 22nd Dec, 2018
70	AIIMS/IEC/2018/794	Dr. Sonu Kumar Pandit	General Medicine	Dr. Mahendra Kumar Garg	Cardiovascular risk factors in young diabetics.	Dr. Praveen Sharma Dr. Surendra Deora Dr. Ravindra Kumar G Shukla	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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71	AIIMS/IEC/2018/791	Dr. Kirtika Sharma	Microbiology	Dr. Vibhor Tak	An Observational Study on Carbapenem resistant Enterobacteriaceae (CRE) colonization and subsequent risk of infection in adult ICU Patients.	Dr. Vijaya Lakshmi Nag Dr. Pradeep Kumar Bhatia Dr. Nikhil Kothari	M.D. Thesis	22nd Meeting 22nd Dec, 2018
72	AIIMS/IEC/2018/783	Dr. Ayushi Vig	Pediatric Surgery	Dr. Kirtikumar J Rathod	Study of factors causing parent or caregiver burden during surgical management of a child.	Dr. Akhil Goel Dr. Arvind Sinha Dr. Manish Pathak Dr. Avinash Jadhav	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018
73	AIIMS/IEC/2018/784	Dr. Biangchwad aka Suchiang	Pediatric Surgery	Dr. Manish Pathak	Role of urinary Neutrophil Gelatinase-Associated Lipocalin(NGAL), Monocyte Chemoattractant Protein-1(MCP-1) and Interleukin-6(IL-6) as biomarkers in Hydronephrosis and Hydroureteronephrosis in the pediatric population.	Dr. Arvind Sinha Dr. Rahul Saxena Dr. Shailja Sharma Dr. Aliza Mittal	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018
74	AIIMS/IEC/2018/797	Dr. Akash Kumar	Paediatrics	Dr. Prawin Kumar	Role of mobile phone "apps" vs "asthma diary" in asthma control in children	Dr. Jagdish Prasad Goyal Dr. Kuldeep Singh	M.D. Thesis	22nd Meeting 22nd Dec, 2018
75	AIIMS/IEC/2018/785	Dr. Pradip Banerjee	Transfusion Medicine & Blood Bank	Dr. Saptarshi Mandal	Study of storage quality indicators and intracellular microRNA in stored Whole Blood(WB) and Packed Red Cell (PRBC) units with or without Leukodepletion and Irradiation.	Dr. Praveen Sharma Dr. Pradeep Kumar Bhatia Dr. Poonam Elhence Dr. Archana Bajpayee Dr. Gopal Krishna Bohra	M.D. Thesis	22nd Meeting 22nd Dec, 2018

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76	AIIMS/IEC/2018/792	Dr. P. Likhiteswer	Urology	Dr. Himanshu Pandey	Association between CONUT score with clinicopathological and perioperative outcomes in genitourinary carcinoma.	Dr. Gautam Ram Choudhary Dr. Arvind Sinha	M.Ch. Thesis	22nd Meeting 22nd Dec, 2018
77	AIIMS/IEC/2018/786	Dr. Siva Sumanth Dukkupati	General Surgery	Dr. Ashok Puranik	Impact of Intra-Abdominal Pressure on surgical outcomes in patients with Intestinal Obstruction.	Dr. Ramkaran Chaudhary Dr. Mahaveer Singh Rodha Dr. Mahendra Lodha Dr. Satya Prakash Meena	M.S. Thesis	22nd Meeting 22nd Dec, 2018
78	AIIMS/IEC/2018/787	Dr. Souvik Maity	General Surgery	Dr. Ashok Kumar Puranik	Quality of life of patients with major amputations in AIIMS Jodhpur.	Dr. Ramkaran Chaudhary Dr. Mahaveer Singh Rodha Dr. Mahendra Lodha Dr. Satya Prakash Meena	M.D. Thesis	22nd Meeting 22nd Dec, 2018
79	AIIMS/IEC/2018/788	Dr. K.V. Prathyusha	General Surgery	Dr. Mahaveer Singh Rodha	A prospective study to assess the feasibility of Extended-view totally Extra-peritoneal technique (eTEP) in ventral hernias in AIIMS, Jodhpur.	Dr. Ashok Puranik Dr. Ramkaran Chaudhary Dr. Mahendra Lodha Dr. Satya Prakash Meena	M.S. Thesis	22nd Meeting 22nd Dec, 2018
80	AIIMS/IEC/2018/789	Dr. Dharendra Kumar	Orthopaedics	Dr. Abhay Elhence	Incidence of proximal Deep Vein Thrombosis In Elderly Hip Trauma patients: Comparison of mechanical and Enoxaparin Prophylaxis: A CT based prospective randomized study.	Dr. Divesh Jalan Dr. Nitesh K Gahlot Dr. Puspendra Khera	M.S. Thesis	22nd Meeting 22nd Dec, 2018

**23rd Meeting of Institutional Ethics committee held on 31st Dec, 2018**

31 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/2018/800	Dr. Meenakshi Gothwal	Assistant Professor	Obstetrics & Gynaecology	Red Cell alloimmunization among antenatal women in AIIMS Jodhpur and there fetomaternal outcome.	1. Dr. Pratibha Singh Dr. Archana Bajpayee Dr. Charu Sharma Dr. Garima Yadav	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018
2	AIIMS/IEC/2018/801	Dr. Aliza Mittal	Assistant Professor	Pediatrics	Endothelial dysfunction in children with CKD-Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis.	Dr. Binit Sureka Dr. Abhishek Purohit Prof. Praveen Sharma Prof. M.K.Garg Prof. Kuldeep Singh	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018
3	AIIMS/IEC/2018/802	Dr. Purvi Purohit	Associate Professor	Biochemistry	A cross-sectional study analysing role of GDF-15 in induction of stemness of Triple negative breast cancer (TNBC).	Dr. Jeevan Ram Vishnoi Dr. Puneet Pareek Dr. Poonam Elhence Dr. Praveen Sharma Dr. Sanjeev Misra	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018
4	AIIMS/IEC/2018/811	Dr. Indu Saxena	Assistant Professor	Biochemistry	Correlation of Interleukins (IL-10, IL-18), MicroRNA Species (miR 198 and miR 24), and Transcription Factor Pdx-1 in Type 2 Diabetes Mellitus	Prof. Praveen Sharma Dr. Ravindra K Gayaprasad Shukla	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018

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/2018/812	Dr. Manoj Kumar Gupta	Assistant Professor	CM&FM	Assessment of Psychosocial Status and Quality of Life of Adolescent Girls in Rural Area of Jodhpur	Dr. Pankaja Ravi Raghav Dr. Akhil D Goel Dr. Jitender Aneja	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018
6	AIIMS/IEC/2018/813	Dr. Pushpa Potaliya	Assistant Professor	Anatomy	In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cineraria, a locally available conventional promoter of wound healing	Dr. Surajit Ghatak Dr. Manu Goyal	Intramural Project 2018-19	23rd Meeting 31st Dec, 2018
7	AIIMS/IEC/2018/814	Dr. Ramkaran Chaudhary	Associate Professor	General Surgery	Retrospective analysis of role of VATS in various respiratory diseases at AIIMS, Jodhpur	Dr. Ashok Puranik Dr. Mahaveer S Rodha Dr. Mahendra Lodha Dr. Nishant Kr Chouhan Dr. Naveen Dutt Dr. Ramniwas	Non-Funded	23rd Meeting 31st Dec, 2018
8	AIIMS/IEC/2016/188	Dr. Ankita Chugh	Associate Professor	Dentistry	Comparison of Role of Autologous Platelet rich plasma and Dextrose prolotherapy in chronic degenerative disorders of temporomandibular joint: A Pilot Study	Dr. Archana Bajpayee Dr. Nitesh Gonnade Dr. Amanjot Kaur Dr. Gaurav Jain	Resubmitted Non-Funded	23rd Meeting 31st Dec, 2018

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/2018/578	Dr. Ankita Chugh	Associate Professor	Dentistry	The clinical efficacy of EMLA as a topical anesthetic agent instead of palatal injection during maxillary dental extractions: Randomized Control Open label trial	Dr. Surjit Singh Dr. Shruti Khatana	Resubmit Non-Funded	23rd Meeting 31st Dec, 2018
10	AIIMS/IEC/2018/698	Dr. Ankita Chugh	Associate Professor	Dentistry	Role of Instrumental music in stress reduction during surgical removal of impacted teeth: A Randomized Control Study	Dr. Shruti Khatana Dr. Ranu Rathore	Non-Funded	23rd Meeting 31st Dec, 2018
11	AIIMS/IEC/2018/696	Dr. Ankita Chugh	Associate Professor	Dentistry	Evaluation of awareness of local population of Western Rajasthan for oral cancer	Dr. Pankaj Bhardwaj Dr. Jeevan Ram Bishnoi Dr. Amanjot Kaur	Non-Funded	23rd Meeting 31st Dec, 2018
12	AIIMS/IEC/2018/688	Dr. Ankita Chugh	Associate Professor	Dentistry	Evaluation of Temporomandibular disorders (TMD) in medical professionals and their correlation with psychoemotional stress - a regional based study	Dr. Amanjot Kaur	Non-Funded	23rd Meeting 31st Dec, 2018
13	AIIMS/IEC/2018/803	Dr. Sunny Taye	Anaesthesiology & Critical Care	Dr. Sadik Mohammed	Ultrasonographic estimation of gastric emptying and residual volume after ingestion of two different quantities of clear fluid in children: A double blinded randomised controlled study.	Dr. Pradeep kumar Bhatia Dr. Mritunjay Kumar	M.D. Thesis	23rd Meeting 31st Dec, 2018

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/2018/804	Dr. Vaibhav Gupta	Forensic medicine & Toxicology	Dr. Puneet Setia	Autopsy Based Study of Coronary Stenosis among the population of Western Rajasthan using Various Techniques.	Dr. Raghvendra Singh Shekhawat Dr. Aasma Nalwa Dr. Arvind Sinha	M.D. Thesis	23rd Meeting 31st Dec, 2018
15	AIIMS/IEC/2018/805	Dr. Priyanka Bharti	Obestrics & Gynecology	Dr. Shashank Sekhar	Negative pressure dressing versus standard dressing for preventing surgical site infections (SSI) following Laparotomy wounds: A Randomized Controlled Trial.	Dr. Charu Sharma Dr. Manu Goyal Dr. Manisha Jhirwal	M.D. Thesis	23rd Meeting 31st Dec, 2018
16	AIIMS/IEC/2018/806	Dr. Sikchi Rupesh Suresh	Pediatric Surgery	Dr. Arvind Sinha	To compare the pattern of preoperative uroflowmetry study in hypospadias patients and age matched control patients.	Dr. Manish Pathak Dr. Kirtikummar J Rathod Dr. Rahul Saxena	M.Ch. Thesis	23rd Meeting 31st Dec, 2018
17	AIIMS/IEC/2018/807	Dr. Mayank Jain	Obestrics & Gynecology	Dr. Pratibha Singh	Comparison of Reid colposcopic index and Swede score for prediction of cancer and precancerous lesions of cervix in women with aceto white areas on visual inspection of cervix with acetic acid (VIA).	Dr. Shashank Sekhar Dr. Meenakshi Gothwal Dr. Garima Yadav	M.D. Thesis	23rd Meeting 31st Dec, 2018
18	AIIMS/IEC/2018/808	Dr. Manisha	Obestrics & Gynecology	Dr. Garima Yadav	Deriving a prediction model for caesarean delivery after induction of labour in singleton pregnancies at term gestation.	Dr. Pratibha Singh Dr. Shashank Shekhar Dr. Meenakshi Gothwal Dr. Navdeep Kaur Guman	M.D. Thesis	23rd Meeting 31st Dec, 2018

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/2018/809	Dr. Ranesh Debbarma	Obestrics & Gynecology	Dr. Meenakshi Gothwal	Spectrum of thyroid disorder in low risk singleton pregnancy and its effect on maternal and fetal Outcome	Dr. Pratibha Singh Dr. Garima Yadav Dr. Navdeep Kaur Guman Dr. Neeraj Gupta Dr. Purvi Purohit	M.D. Thesis	23rd Meeting 31st Dec, 2018
20	AIIMS/IEC/2018/810	Dr. Makam Sri Harsha	Anaesthesiology & Critical Care	Dr. Pradeep Kumar Bhatia	Correlation of qCon and Richmond Agitation Sedation Scale in Mechanically ventilated patients on propofol-fentanyl sedation in the ICU: An Observational Study.	Dr. Ankur Sharma Dr. Priyanka Sethi	M.D. Thesis	23rd Meeting 31st Dec, 2018
21	AIIMS/IEC/2018/799	Dr. Jai Bharat Sharma	Cardiology	Dr. Surendra Deora	The dignostic accuracy of speckle tracking echocardiography in patients with stable angina pectoris and its correlation with severity of coronary artery disease- A cross sectional study.	Dr. Kuldeep Singh Dr. Rahul Choudhary	D.M. Thesis	23rd Meeting 31st Dec, 2018
22	AIIMS/IEC/2018/798	Dr. B Tulasi Satyendra	Pathology	Dr. Jyotsna Naresh Bharti	Expression of IDH1(R132) and IDH2(R172) in Diffuse Astrocytoma, Anaplastic Astrocytoma and glioblastoma- at a tertiary care center in Western Rajasthan.	Dr. Poonam Elhence Dr. Aasma Nalwa Dr. Sudeep Khera Dr. Deepak Kumar Jha Dr. Satyanarayan Bhaskar	M.D. Thesis	23rd Meeting 31st Dec, 2018



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/2018/796	Ms. Deeksha Patel	Physiology	Dr. Om Lata Bhagat	Assesement of autonomic response during Emotional Stroop Task with emoji and words.	Dr. Rajesh Sharma Dr. Abhinav Dixit	M.Sc. Thesis	23rd Meeting 31st Dec, 2018
24	AIIMS/IEC/2018/821	Dr. Utkrist Lahoria	Dermatology	Dr. Saurabh Singh	Comparison of efficacy of intralesional Measles, Mumps and Rubella Vaccine, Mycobacterium indicus pranii vaccine and Vitamin D3 in extragenital cutaneous warts.	Dr. Abhishek Bhardwaj Dr. Anil Budania	M.D. Thesis	23rd Meeting 31st Dec, 2018
25	AIIMS/IEC/2018/820	Dr. Varun Rajagopal S	Dermatology	Dr. Abhishek Bhardwaj	The Correlation of mean platelet Volume, platelet distribution width and C-reactive protein with clinical activity in chronic spontaneous urticaria	Dr. Saurabh Singh Dr. Anil Budania Dr. Abhishek Purohit Dr. Shailja Sharma	M.D. Thesis	23rd Meeting 31st Dec, 2018
26	AIIMS/IEC/2018/819	Dr. Shreyas. K	Pediatric Surgery	Dr. Avinash. S. Jadhav	Study of effect of Multimedia Teaching Tool on Parental anxiety and comprehension of Informed Consent in Paediatric Surgical Day care procedures.	Dr. Arvind Sinha Dr. Kirtikumar J Rathod Dr. Rahul Saxena	M.Ch. Thesis	23rd Meeting 31st Dec, 2018
27	AIIMS/IEC/2018/818	Dr. Sanjiv Kumar Sharma	Neurology	Dr. Samhita Panda	Study of water swallowing test among stroke patients and its effect on prognosis.		D.M. Thesis	23rd Meeting 31st Dec, 2018

S/No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
28	AIIMS/IEC/2018/817	Dr. Sujeet Prakash	Ophthalmology	Dr. Arvind Kumar Mourya	A Prospective Randomised 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.	Dr. Pradeep Dwivedi	M.D. Thesis	23rd Meeting 31st Dec, 2018
29	AIIMS/IEC/2018/816	Dr. Ankit Jain	Surgical Oncology	Dr. Jeewan Ram	A study of the correlation between the miR-221-3p, miR-133a-3p and miR-9-5p expression levels and clinicopathological characteristics of oral squamous cell carcinoma	Prof. Sanjeev Misra Prof. Praveen Sharma Prof. Ashok Puranik Prof. Poonam Elhence Dr. Puneet Pareek Dr. Kamla Kant Shukla	M.Ch. Thesis	23rd Meeting 31st Dec, 2018
30	AIIMS/IEC/2018/815	Dr. Ajai Sasidhar	Surgical Oncology	Dr. Jeewan Ram	The impact of preservation versus division of intercostobrachial nerve during axillary dissection in breast cancer patients on chronic post surgical pain, sensory changes and quality of life: A prospective comparative study	Prof. Sanjeev Misra Dr. Mahaveer Singh Rodha Prof. Ashok Puranik Prof. Poonam Elhence Dr. Puneet Pareek Dr. Ramkaran Chaudhary	M.Ch. Thesis	23rd Meeting 31st Dec, 2018

S/No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
31	AIIMS/IEC/2018/822	Dr. Sujoy Fernandes	Radiation Oncology	Dr. Puneet Pareek	Prospective Evaluation of tumour HPV status, Circulating miR-21 and tumour volume regression in Squamous Cell Carcinoma of Oro-Hypopharynx/Larynx treated by Adaptive Radical Radiation Therapy	Dr. Poonam Elhence Dr. Purvi Purohit Dr. Jeevan Ram Vishnoi Dr. Amit Goel	M.D. Thesis	23rd Meeting 31st Dec, 2018

### 24th Meeting of Institutional Ethics committee held on 19th Jan, 2019

16 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/2019/831	Dr. Abhishek Purohit	Assistant Professor	Pathology	Diagnostic efficacy of digital hemoglobinometer TrueHB HemoCue and non invasive devices for screening patients for anemia in the field setting - a proposal	Dr. Pankaj Bhardwaj	Extramural Multicentric Study	24th Meeting 19th Jan, 2019
2	AIIMS/IEC/2019/838	Dr. Ramniwas	Assistant Professor	Pulmonary Medicine	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	Dr. Naveen Dutt Dr. Nishant Kumar Chauhan Dr. Poonam Elhence	Non-Funded	24th Meeting 19th Jan, 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/2018/738	Dr. Nishant Chauhan	Associate Professor	Pulmonary Medicine	Assessment of diaphragm functions using ultrasonography among patients with COPD	Dr. Gopal Chawla Dr. Naveen Dutt Dr. Ramniwas	Revised Project (Non-Funded)	24th Meeting 19th Jan, 2019
4	AIIMS/IEC/2019/841	Dr. Amit Goyal	Additional Professor	ENT	Status of Otolological Training in India	Dr. Sourabh Patro Dr. Darwin Kaushal Dr. Bikram Choudhary Dr. Kapil Soni Dr. Abhishek Guliani	Non-Funded	24th Meeting 19th Jan, 2019
5	AIIMS/IEC/2018/738	Dr. Manoj Kumar Gupta	Assistant Professor	CM&FM	Assessment of Psychosocial Status and Quality of Life of Adolescent Girls in Rural Area of Jodhpur	Dr. Pankaja Ravi Raghav Dr. Akhil D Goel Dr. Jitendra Aneja	Revised Project (Intramural)	24th Meeting 19th Jan, 2019
6	AIIMS/IEC/2019/840	Dr. Sourabha Kumar Patro	Assistant Professor	Otorhinolaryngology (ENT)	Beta defensin expression in malignant head and neck tumors	Dr. Purvi Purohit Dr. Praveen Sharma Dr. Amit Goyal Dr. Darwin Kaushal Dr. Bikram Choudhury Dr. Kapil Soni Dr. Ankita Chugh	Intramural	24th Meeting 19th Jan, 2019
7	AIIMS/IEC/2018/828	Dr. Shahir Asfahan	Pulmonary Medicine	Dr. Neveen Dutt	Assessing the accuracy of pleural puncture sites as determined by Clinico-Radiological Examination versus ultrasound- A Prospective Study	Dr. Nishant Kumar Chauhan Dr. Ramniwas Dr. Mahendra Kumar Garg Dr. Gopal Krishna Bohra Dr. Pawan Kumar Garg	D.M. Thesis	24th Meeting 19th Jan, 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/2018/823	Dr. Saksham Jain	Neurology	Dr. Samhita Panda	Social determinants of epilepsy and treatment seeking behaviour among patients with epilepsy in a tertiary care centre in western India		D.M. Thesis	24th Meeting 19th Jan, 2019
9	AIIMS/IEC/2018/826	Dr. Deokar Kunal Khanderao	Pulmonary Medicine	Dr. Nishant Kumar Chauhan	Accuracy of Rapid Onsite Evaluation (ROSE) by a Pulmonologist in comparison to Rose Performed by a Pathologist in Trans bronchial Needle Aspirations- a Prospective Study	Dr. Neveen Dutt Dr. Ramniwas Dr. Poonam Elhence Dr. Sudeep Khera	D.M. Thesis	24th Meeting 19th Jan, 2019
10	AIIMS/IEC/2018/824	Dr. Anubhav Raj	Otorhinolaryngology (ENT)	Dr. Darwin Kaushal	Root cause analysis of the delay in head and neck cancer treatment	Dr. Puneet Pareek Dr. Amit Goyal Dr. Bikram Choudhury Dr. Kapil Soni Dr. Sourabh Kumar Patro	M.S. Thesis	24th Meeting 19th Jan, 2019
11	AIIMS/IEC/2018/825	Dr. Vishudh M.S.	Otorhinolaryngology (ENT)	Dr. Sourabh Kumar Patro	Assessment of Efficacy of pure tone audiometry in correlation with tuning fork tests in the age of more than 10 years	Dr. Amit Goyal Dr. Darwin Kaushal	M.S. Thesis	24th Meeting 19th Jan, 2019
12	AIIMS/IEC/2018/827	Dr. Nidhin Das K	Otorhinolaryngology (ENT)	Dr. Amit Goyal	Evaluation of chemo-radiation induced hearing loss in patients of head and neck epithelial malignancy	Dr. Sourabh Kumar Patro Dr. Puneet Pareek Dr. Abhinav Dixit Dr. Darwin Kaushal	M.S. Thesis	24th Meeting 19th Jan, 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/2019/834	Dr. Sourabh Shankar Chakraborty	Burns & Plastic Surgery	Dr. Ranjit Kumar Sahu	Aesthetic, Functional and psychosocial outcomes of different reconstructive modalities in traumatic finger tip injuries	Dr. Prakash Kala Dr. Ashok Puranik	M.Ch. Thesis	24th Meeting 19th Jan, 2019
14	AIIMS/IEC/2019/830	Dr. Kartikeya Shukla	Neurosurgery	Dr. Deepak Kumar Jha	Volume rendering technique for planning and learning approach to craniovertebral junction surgeries- an observation study.	Dr. Satyanarayan Bhaskar Dr. Mayank Kumar Garg Dr. Pushpinder S Khera	M.Ch. Thesis	24th Meeting 19th Jan, 2019
15	AIIMS/IEC/2019/829	Dr. Rajnish Kumar Patidar	Neurosurgery	Dr. Satyanarayan Bhaskar	Correlation of chronic low back pain with occupation related physical activity and anthropometric measurements- an observational study.	Dr. Deepak Kumar Jha Dr. Mayank Kumar Garg	M.Ch. Thesis	24th Meeting 19th Jan, 2019
16	AIIMS/IEC/2019/839	Dr. Suresh K	Burns & Plastic and Reconstructive Surgery	Dr. Prakash Kala	To study the effect of platelet rich plasma in healing of venous ulcers	Prof. Ashok Kumar Puranik Dr. Ranjit Kumar Sahu Dr. Archana Bajpayee Dr. Aasma Nalwa	M.Ch. Thesis	24th Meeting 19th Jan, 2019

**25th Meeting of Institutional Ethics committee held on 20th Feb, 2019**

24 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/2019/843	Dr. Darwin Kaushal	Assistant Professor	Otorhinolaryngology	Is tympanomastoid suture a better landmark than tragal pointer for identifying the facial nerve?	Dr. Vidhu Sharma Dr. Abhishek Gugliani Dr. Kapil Soni Dr. Amit Goyal Dr. Bikram Chodhary	Non-Funded	25th Meeting 20th Feb, 2019
2	AIIMS/IEC/2019/845	Dr. Rashmi Syal	Senior Resident	Anaesthesia & Critical Care	Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following multiple rib fractures: A Randomized open label trial	Dr. Rakesh Kumar Dr. Sadik Mohammed Dr. Pradeep Bhatia Dr. Manoj Kamal Dr. Ram Karan Chodhary Dr. Nishant Kumar Chauhan	Non-Funded	25th Meeting 20th Feb, 2019
3	AIIMS/IEC/2019/846	Dr. Jagdish Prasad Goyal	Additional Professor	Pediatrics	Association of blood eosinophil with asthma control in children : A retrospective case review	Dr. Prawin Kumar	Non-Funded (Retrospective)	25th Meeting 20th Feb, 2019
4	AIIMS/IEC/2019/844	Dr. Prawin Kumar	Associate Professor	Pediatrics	Clinical Profile, Etiology and Outcome of Empyema in Children: A Retrospective study	Dr. Jagdish Prasad Goyal	Non-Funded (Retrospective)	25th Meeting 20th Feb, 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/2019/847	Dr. Surajit Ghatak	Professor & Head	Anatomy	Sexual Dimorphism in Human Skull by Morphometric analysis of Foramen Magnum and its' Morphology	Dr. Ashish Nayyar Ms. Rinki Chodhary	Non-Funded (Retrospective)	25th Meeting 20th Feb, 2019
6	AIIMS/IEC/2019/851	Dr. Anuradha Sharma	Additional Professor	Microbiology	Bacteriological profile of Lower Respiratory Tract Infections in AIIMS, Jodhpur (Retrospective Study)	Dr. Shambhavi Singh Dr. Vijaya Lakshmi Nag	Non-Funded (Retrospective)	25th Meeting 20th Feb, 2019
7	AIIMS/IEC/2018/731	Dr. Shashank Shekhar	Additional Professor	Obstetrics & Gynaecology	Laposcopic Sacrocolpoplexy for genital prolapse: Short term follow up of first 15 cases	Dr. Pratibha Singh Dr. Manu Goyal Dr. Charu Sharma Dr. Shuchita Batra	Non-Funded (Resubmit)	25th Meeting 20th Feb, 2019
8	AIIMS/IEC/2019/875	Dr. Puneet Setia	Additional Professor	Forensic Medicine	An observational study analysing the post-mortem interval in Human cadavers using autophagy proteins	Dr. Purvi Purohit Dr. Raghendra Singh Shekhawat	Extramural ICMR, New Delhi	25th Meeting 20th Feb, 2019
9	AIIMS/IEC/2019/867	Dr. Surajit Ghatak	Professor & Head	Anatomy	Sex determination from calcaneus by discriminant function analysis	Ms. Pooja Garg Dr. Ashish Nayyar	Non-Funded	25th Meeting 20th Feb, 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/2019/874	Dr. Purvi Purohit	Associate Professor	Biochemistry	Elucidating Molecular Mechanisms Underlying Higher Cancer Risks in Type 2 Diabetes Mellitus Patients	Dr. Jeewan Ram Vishnoi Dr. Puneet Pareek Dr. Ramkaran Chodhary Dr. Gopal Bohra Dr. Poonam Elhence	Extramural ICMR, New Delhi	25th Meeting 20th Feb, 2019
11	AIIMS/IEC/2019/856	Guide: Dr. Pankaj Bhardwaj Student: Dr. Mamta Patel	Additional Professor	CM&FM	Prevalence and factors contributing to anxiety, depression and cognitive disorders among rural and urban elderly in Jodhpur	Dr. Naresh Nebhinani	SPH	25th Meeting 20th Feb, 2019
12	AIIMS/IEC/2019/857	Guide: Dr. Nishant Chauhan Student: Dr. Girish Chandra Das	Associate Professor	Pulmonary Medicine	Effect of air pollution on respiratory function in urban population of Jodhpur	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
13	AIIMS/IEC/2019/858	Guide: Dr. Charu Sharma Student: Dr. Rakhi Dwivedi	Associate Professor	Obstetrics & Gynaecology	The effect of a School based peer group training program on Menstrual Health.	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
14	AIIMS/IEC/2019/859	Guide: Dr. Gopal Krishna Bohra Student: Dr. Kavita Choudhary	Associate Professor	General Medicine	Burden and Quality of life of Family caregivers of Geriatric patients requiring chronic care in a Tertiary Care hospital in Western Rajasthan	Dr. Pankaj Bhardwaj Dr. Samhita Panda	SPH	25th Meeting 20th Feb, 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/2019/860	Guide: Dr. Kuldeep Singh Student: Dr. Divya Goswami	Prof. & Head	Pediatrics	Assessment of cost of care for acute stroke and its associated factors in tertiary care hospital Western Rajasthan	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
16	AIIMS/IEC/2019/861	Guide: Dr. Ashok Kumar Mr. Balram Meena	Associate Professor	College of Nursing	Non-communicable diseases (NCDs) risk factors assessment among college students in Jodhpur	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
17	AIIMS/IEC/2019/862	Guide: Dr. Jagdish Goel Dr. Rashmi Kaushal	Additional Professor	Pediatrics	Association of Asthma and Sleep related Breathing disorders in School going children in Jodhpur	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
18	AIIMS/IEC/2019/863	Guide: Dr. Pratibha Singh Student: Dr. Archana Kumawat	Prof. & Head	Obstetrics & Gynaecology	Prevalence and risk factors for Antenatal depression in females attending health care facilities in Jodhpur	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
19	AIIMS/IEC/2019/864	Guide: Dr. Manoj Gupta Student: Dr. Mrinalini Mingwal	Assistant Professor	CM&FM	Assessment of Risk Factors and awareness regarding Non-Communicable Diseases among Rural and Urban School going Adolescents in Jodhpur	NA	SPH	25th Meeting 20th Feb, 2019

S/No.	Project No	Name of Principal Investigator	Designation	Department	Name of Project Title	Name of Co-Investigator	Project	IEC Meeting Date
20	AIIMS/IEC/2019/865	Guide: Dr. Ankita Chugh Student: Dr. Pratibha Vyas	Associate Professor	Dentistry	Health-Related Quality of Life & Perceived Palliative Care Needs Among Patients with Cancer Therapy in Tertiary Care Hospital, Jdh: A Cross-Sectional Study	Dr. Pankaj Bhardwaj Dr. Jeewan Ram Vishnoi Dr. Puneet Parekh Dr. Poonam Elhence	SPH	25th Meeting 20th Feb, 2019
21	AIIMS/IEC/2019/866	Guide: Dr. Surender Deora Student: Dr. Deepti Mathur	Associate Professor	Cardiology	Awareness, Medication adherence and Diet pattern among hypertensive attending Tertiary level care facility in Western Rajasthan	Dr. Pankaj Bhardwaj	SPH	25th Meeting 20th Feb, 2019
22	AIIMS/IEC/2019/870	Guide: Prof. (Dr.) Pankaja Ravi Raghav Student: Dr. Diksha Dhupar	Prof. & Head	CM&FM	Cost Analysis of Silicosis and Silico-Tuberculosis care among those working in the stone cutting mines of Jodhpur: A mixed-methods Study	Dr. Prasanna T.	SPH	25th Meeting 20th Feb, 2019
23	AIIMS/IEC/2019/869	Guide: Prof. Raj Rani Student: Ms. Diksha	Principal	College of Nursing	A Mixed Method study of LaQshya initiative on Respectful Maternity care and Quality of Institutional deliveries in Jodhpur	Mamta	SPH	25th Meeting 20th Feb, 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/2019/868	Guide: Dr. Neeti Rustagi Student: Dr. Deepak Bhagat	Associate Professor	CM&FM	Role of Multi Stakeholders in Planning and Implementation of Road Safety Initiatives in Jodhpur, Rajasthan-A Cross Sectional Study	NA	SPH	25th Meeting 20th Feb, 2019

## Examination Cell

The Examination Cell of AIIMS, Jodhpur was established in 2013. The Following were the office bearers in year 2018-2019:-

- |    |                      |   |                            |
|----|----------------------|---|----------------------------|
| 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. | Mr. Ashok Kumar      | - | Assistant Dean             |

The Examination Cell is equipped with the heavy duty photo copy machines, printers and computer for conducting various examinations. The examinations of student at AIIMS, Jodhpur conducted using non identifiable policy using and online module. The copies of the students are bar-coded so as to remove any bias during evolution. The Examination Cell conducts examination for student of AIIMS, Jodhpur along with exams for recruitment for various posts as AIIMS, Jodhpur

List of examinations conducted successfully:

### 1. Professional/ Yearly Examinations

<b>M.B.B.S. Professional Examinations</b>		
1.	1 <sup>st</sup> Professional M.B.B.S. Examination (Batch - 2016)	July 2017
2.	1 <sup>st</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2016)	September 2017
3.	3 <sup>rd</sup> Professional M.B.B.S. Examination (Batch - 2013)	Nov. – Dec. 2017
4.	2 <sup>nd</sup> Professional M.B.B.S. Examination (Batch - 2015)	Nov. – Dec. 2017
5.	3 <sup>rd</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2013)	Jan. – Feb. 2018
6.	2 <sup>nd</sup> Professional M.B.B.S. Supplementary Examination (Batch - 2015)	February 2018

<b>B. Sc. (Hons.) Nursing yearly Examinations</b>		
1.	B. Sc. (Hons.) Nursing 4 <sup>th</sup> Year Examinations (Batch-2013)	July 2017
2.	B. Sc. (Hons.) Nursing 3 <sup>rd</sup> Year Examinations (Batch-2014)	June – July 2017
3.	B. Sc. (Hons.) Nursing 2 <sup>nd</sup> Year Examinations (Batch-2015)	July 2017
4.	B. Sc. (Hons.) Nursing 1 <sup>st</sup> Year Examinations (Batch-2016)	June – July 2017
5.	B. Sc. (Hons.) Nursing 2 <sup>nd</sup> Year Supplementary Examinations (Batch-2015)	September 2017
6.	B. Sc. (Hons.) Nursing 1 <sup>st</sup> Year Supplementary Examinations (Batch-2016)	September 2017

**2. Semester Examinations**

<b>M.B.B.S. Semester Examinations</b>		
1.	6 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2014)	May – June 2017
2.	4 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2015)	May – June 2017
3.	2 <sup>nd</sup> Semester M.B.B.S. Examination (Batch-2016)	May – June 2017
4.	8 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2013)	June – July 2017
5.	9 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2013)	Oct – Nov 2017
6.	5 <sup>th</sup> Semester M.B.B.S. Examination (Batch-2015)	November 2017
7.	3 <sup>rd</sup> Semester M.B.B.S. Examination (Batch - 2016)	January 2018
8.	1 <sup>st</sup> Semester M.B.B.S. Examination (Batch - 2017)	January 2018

<b>B. Sc. (Hons.) Nursing Semester Examinations</b>		
1.	B. Sc. (Hons.) Nursing 8 <sup>th</sup> Semester Examination (Batch-2013)	May 2017
2.	B. Sc. (Hons.) Nursing 6 <sup>th</sup> Semester Examination (Batch-2014)	May 2017
3.	B. Sc. (Hons.) Nursing 4 <sup>th</sup> Semester Examination (Batch-2015)	May 2017
4.	B. Sc. (Hons.) Nursing 2 <sup>th</sup> Semester Examination (Batch-2016)	May 2017
5.	B. Sc. (Hons.) Nursing 7 <sup>th</sup> Semester Examination (Batch-2014)	December 2017
6.	B. Sc. (Hons.) Nursing 5 <sup>th</sup> Semester Examination (Batch-2015)	December 2017
7.	B. Sc. (Hons.) Nursing 3 <sup>rd</sup> Semester Examination (Batch-2016)	December 2017
8.	B. Sc. (Hons.) Nursing 1 <sup>st</sup> Semester Examination (Batch-2017)	December 2017

**3. Recruitment/Entrance Examinations**

1.	Senior Resident (Various Departments) written exam	July 2017
2.	Chief Cashier Computer Based Test	July 2017
3.	Transport Supervisor Computer Based Test	July 2017
4.	Senior Resident (Various Departments) written exam	July 2017
5.	Office Assistant Computer Based Test	July 2017
6.	Cashier Computer Based Test	July 2017
7.	Junior Account Officer Computer Based Test	July 2017
8.	Assistant Administrative Officer Computer Based Test	August 2017
9.	Admission for MPH Course Entrance Test	November 2017
10.	Entrance Test of Admission for MPH Course	November 2017
11.	Senior Resident (Various Departments) written Exam	January 2018
12.	Senior Resident (PDCC) written Exam	January 2018
13.	Senior Resident (PDF) written Exam	January 2018
14.	Assistant Engineer (Electrical) Part A & B written Exam	February 2018
15.	Junior Engineer (Electrical) Part A & B written Exam	February 2018

# 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	Associate Professor
5	Dr. Mritunjay Kumar	Associate Professor
6	Dr. Sadik Mohammed	Associate Professor
7	Dr. Bharat Paliwal	Assistant Professor
8	Dr. Swati Chhabra	Assistant Professor
9	Dr. Priyanka Sethi	Assistant Professor
10	Dr. Narender Kalaria	Assistant Professor
11	Dr. Rakesh Kumar	Assistant Professor
12	Dr. Ankur Sharma	Assistant Professor (Trauma & 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. Nine operation theatres with five bedded high dependency unit (HDU) (in two OT complexes) and six-bedded intensive care unit (ICU) were functional during the said period. The services were strengthened for procedures in DSA room and labour analgesia in labour room.

The Pain and Palliative Care clinic was formally inaugurated and regular OPD is being conducted on Mondays and Thursdays. Procedures for chronic pain management like epidural steroid injection, selective nerve root blocks, lumbar sympathectomy, cancer pain management blocks like ganglion Impar block, coeliac plexus neurolysis, hypogastric plexus neurolysis and radiofrequency ablation of Genicular nerves, Gasserian Ganglion and Median branch for facetar arthropathy were successfully performed.

Several research projects (including intramural) were carried out in the department after approval by institutional ethical committee. On the academic front, fellowship programs were started in Critical Care Medicine and Paediatric Anaesthesia. Journal clubs are regularly conducted where articles from reputed journal are critically appraised. Seminars and interactive classes are held for postgraduate students and fellows in the department in addition to clinical teaching in operation theatres and ICU. Thirty three 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.

We are regularly conducting BLS and ACLS courses for medical and paramedical staff to train them CPR skills for management of in-hospital cardiac arrest. Other workshops and conferences organized

in 2018 were: American Heart Association (AHA) Certified BLS and ACLS Provider Course (August and November 2018).

The Department also organised 7<sup>th</sup> ICPM (International Conference On Pain Management) 2018 from 27<sup>th</sup> to 31<sup>st</sup> October. The conference was attended by anaesthesiologists and pain specialists from across the globe. In addition, support was provided for the following activities conducted by other departments: NZ-USI Midterm Cue Reconstructive Urology (21<sup>st</sup> and 22<sup>nd</sup> July 2018), 2<sup>nd</sup> Annual Live Surgery cum Soft Cadaveric Dissection Course on Rhinoplasty (12<sup>th</sup> and 13<sup>th</sup> October, 2018), Sleep Dentistry Workshop (17<sup>th</sup> and 18<sup>th</sup> November 2018) and Robotic Surgery: Expanding Horizons (29<sup>th</sup> and 30<sup>th</sup> November 2018) Airway Update for residents - 15<sup>th</sup> and 16<sup>th</sup> March 2019, Rajasthan Neurosciences Update 2019 - 23<sup>rd</sup> and 24<sup>th</sup> March 2019.

### **Compiled list of Publications of the department:**

#### **Pubmed Indexed:**

1. Deepak C, Vandana S, Pradeep B, Nikhil K. Anesthetic management of separation of conjoint twins: Challenges and limitations. *Saudi J Anaesth* 2019;13:140-3
2. 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;63:245-6
3. Sharma A, Bhatia P, Vyas V, Sethi P, Kaloria N, Sharma L. Should total intravenous anesthesia be used to prevent the occupational waste anesthetic gas exposure of pregnant women in operating rooms? *Anesth Analg.* 2019;128:188–190.
4. Bhatia P, Bihani P, Chhabra S, Sharma V, Jaju R. Ultrasound-guided bilateral subcostal TAP block for epigastric hernia repair: A case series. *Indian J Anaesth* 2019;63:60-3
5. Jaju R, Paliwal B, Sethi P, Bhatia P. Epidural catheter displacement – A report of delayed diagnosis. *Indian J Anaesth* 2018;62:1009-10
6. Bhatia P, Kumar R, Sharma A, Chhabra S, Mohammed S. A recommendation for cost-effective preparation of phenylephrine. *J Anaesthesiol Clin Pharmacol* 2018;34:424-
7. Bhatia P, Chhabra S. Physiological and anatomical changes of pregnancy: Implications for anaesthesia. *Indian J Anaesth* 2018;62:651-7
8. Syal R, Chhabra S, Mohammed S, Bhatia P. Inappropriately sized connector: An ingredient for catastrophe! . *J Anaesthesiol Clin Pharmacol* 2018;34:257-8
9. Chhabra S, Bhatia P, Mohammed S, Kumar R. Document for patient's sake.... for your colleague's sake! Document.... for GOD'S sake!!. *Indian J Anaesth* 2018;62:562-3
10. Bhatia P, Sharma A, Gupta S, Vyas V, Kaloria N, Sethi P. Aerosolized antibiotics: For prophylaxis OR for treatment? *J Crit Care.* 2018 Oct;47:348
11. Mohammed S, Gupta SK, Bhatia PK, Chhabra S, Sethi P, Chouhan RS. Air- Q intubating laryngeal airway guided intubation in Morquio syndrome. *Indian J Anaesth* 2018;62:473-4
12. Paliwal B, Bhatia P, Kaloria N, Chopra K. Pupillary Dilation Reflex Measurement: Ideal Time-Pre- or Postsurgery? *Anesth Analg.* 2018 May;126(5):1790
13. Gupta S, Paliwal B, Kumar M, Bhatia P. Alternative electrocardiography electrode placement. *Anaesthesia.* 2018;73(4):525.
14. Kaloria N, Bihani P, Bhatia P, Paliwal B, Sharma A. A Comparison of Regional Versus General Anesthesia for Lumbar Spine Surgery: An Untouched Aspect of the Meta-Analysis. *J Neurosurg Anesthesiol.* 2018;30(2):191.

15. Sharma V, Verma S, Bhatia PK, Sethi P. Propofol infusion in an infant with glucose-6-phosphate dehydrogenase deficiency. *J Anaesthesiol Clin Pharmacol* 2018;34:136-7
16. Garg A, Kamal M, Mohammed S, Singariya G, Chouhan D, Biyani G. Efficacy of dexmedetomidine for prevention of emergence agitation in patients posted for nasal surgery under desflurane anaesthesia: A prospective double blinded RCT. *Indian J Anaesth* 2018;62:524-30.
17. Kumari K, Kamal M, Singariya G, Krishan R, Garg S, Thanvi S. Effect of epidural levobupivacaine with or without dexamethasone soaked in gelfoam for postoperative analgesia after lumbar laminectomy: A double blind, randomized, controlled trial. *Indian J Anaesth* 2018;62:509-15.
18. Goyal S, Kothari N, Chaudhary D, Verma S, Bihani P, Rodha MS. Reversal agents: do we need to administer with neuromuscular monitoring – an observational study. *Indian J Anaesth* 2018;62:219-24.
19. Goyal S, Kothari N, Chaudhary D, Verma S, Bihani P, Rodha MS. Response to comments on “Reversal agents: Do we need to administer with neuromuscular monitoring”. *Indian J Anaesth* 2018;62:486-7.
20. Sharma K, Kumar M, Gandhi R. Effect of single-dose dexmedetomidine on intraoperative hemodynamics and postoperative recovery during pediatric adenotonsillectomy. *Anesth Essays Res* 2019;13:63-7.
21. Sethi P, Kamal M, Verma S, Bhatia P. Undiagnosed myxedema coma: Rare but life-threatening. *Saudi J Anaesth.* 2018;12:173-74.
22. Sharma A, Karna ST, Tandon M, Pandey CK, Chaturvedi R, Vyas V, Goel AD. Use of ultrasound-guided preoperative diaphragmatic thickness as a predictor of postoperative weaning failure in recipients and donors scheduled for living donor liver transplant surgery. *Saudi J Anaesth.* 2018;12(3):406-411.
23. Khanna P, Pandey RK, Chandralekha C, Sharma A, Pangasa N Comparison between Critical-Care Pain Observation Tool and physiologic indicators for pain assessment in the critically ill, mechanically ventilated adult patients. *Saudi J Anaesth*;12(3):384-388.
24. Khanna P, Chandralekha C, Pandey RK, Sharma A. Pain assessment in the critically ill mechanically ventilated adult patients: Comparison between skin conductance algometer index and physiologic indicators. *Saudi J Anaesth.* 2018;12(2):204-208
25. Joshiraj B, Sharma A, Subramaniam R, Vyas V. Perioperative management of patient with Conn's syndrome and severe hypokalaemia: How low is too low? *Indian J Anaesth.* 2019; 63(1):67-68.

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

1. Goyal S, Gupta SK, Kothari N, Bhatia P, Kumar M. Prune-belly syndrome: Anesthetic implications and management. *Indian Anaesth Forum* 2019;20:47-9
2. Gangwar P, Kothari N, Bhatia P, Jaju R. Early recovery of facial nerve palsy after plasmapheresis in a patient of Guillain Barre Syndrome: A Case Report. *JMSCR* 2019;7(1): 772-775
3. Sethi P, Bhatia P, Kaloria N, Sharma A. Laurence–Moon–Biedl–Bardet Syndrome: Its significance to anesthesiologist. *Indian Anaesth Forum* 2018;19:89-90
4. Biyani G, Bhatia P, Mohammed S, Kumar R, Garg P, Paliwal B. Single or multimodal anesthetic technique: A selection dilemma. *Indian Anaesth Forum* 2018;19:25-7

5. Syal R, Kumar R, Chhabra S, Mohammed S. Anaesthetic consideration of tracheobronchial foreign body aspiration in children. Rajasthan J Otolaryngol Head Neck Surg 2019;3(1):8-12

### **Workshops/ Conferences Organized**

1. AHA Certified BLS and ACLS Course. Department of Anaesthesiology and Critical Care, AIIMS Jodhpur 15-17 November, 2018
2. 7th ICPM (International Conference on Pain Management). Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 27-31 October, 2018
3. AHA Certified BLS and ACLS Course. Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 17-19 August, 2018
4. AHA Certified BLS and ACLS Course. Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, 27-29 July, 2018

### **Eminent Visitors:**

1. Dr. Sushma Bhatnagar, Prof & Head, Department of Onco-anaesthesia, AIIMS, New delhi, delivered a guest lecture on “Integration of pain and palliative in continuum of patient care: Need of the hour” in clinical ground rounds on 25<sup>th</sup> July, 2018 at Auditorium, AIIMS, Jodhpur.
2. Dr. Charu Singh, Prof, Amrita Institute of Medical Sciences, Kochi, Kerala, had a mentor visit for AIIMS-APHN: CTC 2 (All India Institute of Medical Sciences- Asia Pacific Hospice Palliative Care Network: Cancer Treatment Center) on 25<sup>th</sup> to 27<sup>th</sup> July, 2018 at AIIMS, Jodhpur.

### **Any other information:**

We have organized 7<sup>th</sup> ICPM (International Conference On Pain Management) 2018 from 27<sup>th</sup> to 31<sup>st</sup> October. The conference was attended by about 200 anaesthesiologists and pain specialists from across the globe. The first two days of the conference consisted of workshop on USG guided nerve block and cadaveric pain procedures. The workshop was taken well by the delegates and a positive feedback was received. This was followed by three day conference which was formally inaugurated by Dr Sanjeev Misra, Director and CEO, AIIMS, Jodhpur. The scientific program was diverse in both topics and formats. The basics and recent update in pain medicine were discussed through talks, panel discussion, pro and con session, to cater to the interests of students and experts.

The department also organized AHA certified BLS and ACLS provider courses at AIIMS Jodhpur in August, and Nov 2018. Both the courses had about 25 participants each who were trained and assessed for their BLS and ACLS skills over 3 days. The successful participants were awarded with BLS and ACLS provider certificates.

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

**Designation: Professor & Head**

### **Books/Chapters**

1. Bhatia P, Chhabra S. Apneic Oxygenation. In: Yearbook of Anaesthesiology-8. Raminder Sehgal, Anjan Trikha (Editors), New Delhi, Jaypee Brothers Medical Publishers (P) Ltd. 2018: 110-122

**Papers Presented:**

1. Bhatia P. Ultrasound Guided Subcostal TAP Block for Epigastric Hernia Repair: A Case Series. 2018 World Congress on Regional Anesthesia & Pain Medicine (in conjunction with ASRA's 43rd Annual Regional Anesthesiology & Acute Pain Medicine Meeting) 19-21 April, 2018, New York

**Sessions Chaired:**

1. Health Technologies, Joint Leadership Conclave 2018, 3 December 2018, AIIMS Jodhpur
2. Robotic Surgery: Expanding Horizons, 29th November, 2018 at AIIMS, Jodhpur
3. Coexisting and Uncommon Diseases, ISACON 2018, 27th November 2018, Agra
4. Ultrasound use, 7th ICPM, 29<sup>th</sup> October 2018, Jodhpur
5. Neuropathic Pain, 7th ICPM, 31 October 2018, Jodhpur

**Invited Lectures**

1. Bronchopleural Fistula: Ventilatory Management, 25th Annual National Conference of Indian Society of Critical Care Medicine Criticare 2019, 2<sup>nd</sup> February 2019, Mumbai
2. Multidimensional Frailty Score & Prediction of Mortality Risk in Elderly, 66th Annual National Conference of Anaesthesiologists - ISACON 2018, 26th November 2018, Agra
3. Outcome of High Flow Nasal Oxygen in Critical Care, ISACON UK (VII Annual Conference Of ISA Uttarakhand, 13 October 2018, AIIMS, Rishikesh.
4. Conventional 6 hrs NPO & Sellick's Maneuver should be followed – Conventional wisdom still holds good, 11th National Conference of Association of Obstetric Anaesthesiologists, 28-30 September 2018, Jodhpur.
5. Training, Education & Faculty Development of Anesthesiologists in 21st Century, 20th ISACON Rajasthan, 22-23 September 2018, Bikaner.
6. Recommendations on Local Anaesthetics and Adjuvants in Paediatric Anaesthesia, An Update on Paediatric Anaesthesia, 20 August 2018, BHU, Varanasi
7. Current examination system in anaesthesiology - Should it be continued or it needs change, 28th Annual National Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP 2018), 7<sup>th</sup> April 2018, Jaipur.

**Panel Discussion**

1. All Common Drug Errors in Obstetrics – Aiming for Zero Tolerance, 11th National Conference of Association of Obstetric Anaesthesiologists, 30<sup>th</sup> September 2018, Jodhpur

**Resource Faculty:**

1. AHA Certified BLS and ACLS Course, 15-17 November 2018, AIIMS, Jodhpur
2. 7th ICPM (International Conference on Pain Management) 27-31 October 2018, Jodhpur
3. National Conference of Association of Obstetric Anaesthesiologists, 30th September 2018, Jodhpur
4. AHA Certified BLS and ACLS Course, 17-19 August 2018, AIIMS, Jodhpur
5. AHA Certified BLS and ACLS Course, 27-29 July 2018, AIIMS, Jodhpur

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

1. Single lumen dual curvature tube for pediatric endobronchial intubation: A case series. AIIMS Jodhpur
2. A study to ascertain the target concentration of propofol to achieve bispectral index guided sedation for monitored anaesthesia care using target- controlled infusion. AIIMS Jodhpur
3. Correlation of qCon and Richmond Agitation Sedation Scale in Mechanically ventilated patients on propofol-fentanyl sedation in the ICU: An Observational Study. AIIMS Jodhpur

**➤ As Co-Investigator**

1. Haemodynamic changes during induction in patients on dual antihypertensive drugs, undergoing elective surgeries under general anaesthesia: An observational study. AIIMS Jodhpur
2. Nasogastric tube insertion during conventional versus bubble technique in anaesthetized patients: A prospective randomized study. AIIMS Jodhpur
3. Comparison of epidural morphine versus epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double-blind randomized controlled trial. AIIMS Jodhpur
4. Comparison of mid-transverse process to pleura (MTP) block and erector spinae plane block for postoperative pain in modified radical mastectomy patients. A double blinded randomized trial, AIIMS Jodhpur
5. Transdermal fentanyl patch vs non-opioid analgesia in postoperative oral submucous fibrosis patients. A randomized controlled trial. AIIMS Jodhpur
6. Comparison of the effects of dexmedetomidine and nitroglycerine on cerebral oxygen saturation using near infrared spectroscopy in patients undergoing controlled hypotensive anaesthesia. AIIMS Jodhpur
7. Comparison of intranasal dexmedetomidine-midazolam, dexmedetomidine-ketamine and midazolam-ketamine for premedication in paediatric patients: A double-blind randomized trial. AIIMS Jodhpur
8. Combined versus sequential injection of 2% lignocaine and 0.5% bupivacaine for supraclavicular brachial plexus block: A double blinded randomized controlled trial. AIIMS Jodhpur
9. Evaluation of predictive performance of sonographic airway assessment parameters and comparison of their efficacy to predict difficult airway with clinical airway predictors. AIIMS Jodhpur
10. Comparison of low dose ketamine and low dose fentanyl on postoperative analgesia in adult patients undergoing laparoscopic abdominal surgery: A randomized double blinded controlled trial. AIIMS Jodhpur
11. Comparison of postoperative analgesia by two different techniques of paravertebral block: Conventional versus mid-transverse process to pleura in video assisted thoracic surgeries. AIIMS Jodhpur
12. Real-time in plane ultrasound guided thoracic epidural placement in infants undergoing abdominal surgeries: A case series. AIIMS Jodhpur

13. Attitude and knowledge of medical undergraduate students towards Basic Life Support: A cross sectional study. AIIMS Jodhpur
14. Attitude of medical undergraduate students' towards anesthesia as a future career: A cross sectional study. AIIMS Jodhpur
15. Comparison of Landmark Vs Real-time Ultrasound Technique for epidural needle placement in Paediatric Patients: A Randomized Control Trial. AIIMS Jodhpur
16. Comparison of oropharyngeal leak pressure and insertion characteristics of Ambu AuraGain and I gel in patients undergoing laparoscopic inguinal hernia repair: A Randomized Control Trial. AIIMS Jodhpur
17. Effect of pneumoperitoneum on oropharyngeal seal pressure of Proseal LMA, and Baska mask in patients undergoing laparoscopic cholecystectomy: A Randomized Control Trial. AIIMS Jodhpur
18. Comparison of Lidocaine Spray, Buzzy® Device with conventional technique to reduce pain of I.V. Cannulation in paediatric Patients: A Randomised Controlled Trial. AIIMS Jodhpur
19. Comparison of effect of caffeine and aminophylline on recovery from Total intravenous anaesthesia with propofol and fentanyl in laparoscopic Hysterectomy: A Randomized Double-Blinded Controlled Trial. AIIMS Jodhpur
20. Comparison of Fascia Iliaca Compartment Block with Adductor Canal Block for Post Operative Analgesia in Total Knee Replacement Surgery: A Randomised Controlled Trial. AIIMS Jodhpur
21. Prevalence and Predictive factors of the delirium in intensive care unit. AIIMS Jodhpur
22. Outcomes of Enhanced Recovery After Surgery (ERAS) Protocol in Patients undergoing minimally invasive Oesophagectomy for Carcinoma Oesophagus. AIIMS Jodhpur
23. Effectiveness of using dexmedetomidine as an adjunct to local Anaesthesia in Peribulbar block in Ocular Surgeries. AIIMS Jodhpur
24. An Observational Study on Carbapenem resistant Enterobacteriaceae (CRE) colonization and subsequent risk of infection in adult ICU Patients. AIIMS Jodhpur
25. Ultrasonographic estimation of gastric emptying and residual volume after ingestion of two different quantities of clear fluid in children: A double blinded randomised controlled study. AIIMS Jodhpur
26. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following multiple rib fractures: A Randomized open label trial. AIIMS Jodhpur

#### ❖ **Completed:**

##### ➤ **As Principal Investigator**

1. Comparison of nebulized vs intranasal dexmedetomidine for premedication in pediatric patients. A randomized controlled trial. AIIMS Jodhpur
2. Subcostal transversus abdominis plexus block for surgical anesthesia: a case series. AIIMS Jodhpur
3. Effect of nitrous oxide and dexmedetomidine on the consumption of propofol during general anesthesia in adult patients: A prospective randomized controlled open label trial. AIIMS Jodhpur

#### **Examinership**

1. Subject Expert for faculty selection, KGMU, Lucknow, 7-8 June, 2018

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

1. Editor in Chief, The Indian Anaesthetists' Forum
2. Editor, Critical Care Communications, A Bi-Monthly Newsletter of Indian Society of Critical Care Medicine From January 2019
3. Member, Editorial Board, IAPA Newsletter
4. National Executive Member, Indian Association of Paediatric Anaesthesiologists
5. President, City branch, Indian Society of Critical Care Medicine

**National/ International Conferences attended:**

1. World Congress on Regional Anesthesia & Pain Medicine (in conjunction with ASRA's 43rd Annual Regional Anesthesiology & Acute Pain Medicine Meeting), New York, April 19-21 2018
2. Joint Leadership Conclave 2018 on Health Technologies. AIIMS & IIT Jodhpur, 3-4 December, 2018
3. 2<sup>nd</sup> Annual Live surgery and cadaveric dissection course in Rhinoplasty the department of Otorhinolaryngology and department of Anatomy. AIIMS Jodhpur on 12-13 October
4. "Robotic Surgery: Expanding Horizons. AIIMS, Jodhpur on 29th November, 2018

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

**Designation: Additional Professor**

**Sessions Chaired:**

1. Organ protection and monitoring, 22nd Annual conference of Indian Association of Cardiovascular Thoracic Anaesthesiologists (IACTACON 2019), 22nd to 24th February 2019, Kolkata, West Bengal
2. Trouble shooting in Anaesthesia- Enhancing Safety, 11th National Conference of Association of Obstetric Anaesthesiologist AOA 2018, 29<sup>th</sup>-30<sup>th</sup> Sept, 2018, Jodhpur.

**Invited Lectures**

1. Spine: Sonoanatomy and real time epidural. 20th SANCON, 16<sup>th</sup> March 2019, Kathmandu, Nepal
2. Anaesthetic considerations of Robotic anaesthesia, Robotic Surgery: Expanding Horizons, 29<sup>th</sup> & 30<sup>th</sup> November 2018, AIIMS, Jodhpur
3. Panel discussion, Perioperative transfusion trigger: Are we still stuck up at 10g/dl of Haemoglobin, ISACON 2018, 26<sup>th</sup>- 29<sup>th</sup> November 2018, Jaypee convention centre, Agra
4. What's new in teaching and learning regional anaesthesia? 20th ISACON RAJASTHAN 2018, 22-23 August 2018, S P Medical College, Bikaner
5. Collapsed Parturient. 11th National Conference of Association of Obstetric Anaesthesiologist AOA 2018, 29<sup>th</sup> - 30<sup>th</sup> September 2018, Jodhpur Copenhagen
6. Spinal Sonography Symposium Euroanaesthesia 2018, at Copenhagen on 1<sup>st</sup> June 2018.

**Panel Discussion:**

1. Challenges of H1N1 Infection in Critical Care, RSACPCON 2018, Jaipur, 6<sup>th</sup>-8<sup>th</sup> April 2018.



**Resource Faculty:**

1. 7th ICPM (International Conference on Pain Management), 27-31 October, 2018 Jodhpur
2. National Conference of Association of Obstetric Anaesthesiologists, 30th September 2018, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Real-time in plane ultrasound guided thoracic epidural placement in infants undergoing abdominal surgeries: A prospective trial. AIIMS Jodhpur
2. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following rib fracture: A Randomized open label trial. AIIMS Jodhpur
3. Measurement of epidural depth with ultrasound and its correlation with body mass index in Indian paediatric population: A observational study. AIIMS Jodhpur
4. Cross-sectional evaluation of prevalence of depression in patients with nociceptive and neuropathic pain in Indian subpopulation. AIIMS Jodhpur

**Examinership**

1. For thesis evaluation of M D Anaesthesiology Exam 2019, R N T Medical College, Udaipur, 9th March 2019
2. For thesis evaluation of M D Anaesthesiology Exam 2019, Government Medical College, Kota, 11th March
3. M.D. Anaesthesiology practical examination, S M S Medical College, Jaipur, 1st December 2018
4. M D Anaesthesiology practical Examination, R N T Medical College, Udaipur, 28 & 29 June 2018
5. For thesis evaluation of M D Anaesthesiology Exam 2018, S M S Medical College, Jaipur.

**National/ International Conferences attended:**

1. Research methodology and scientific paper writing, Dr S N Medical College, Jodhpur, 18<sup>th</sup> and 19<sup>th</sup> August 2018.
2. Hands on Cadaveric CAPSI pain workshop, on Radiofrequency ablation, M S Ramaiah Medical University, Bengaluru, 22<sup>nd</sup> -23<sup>rd</sup> November 2018
3. Hands on Cadaveric CAPSI pain workshop on Thoracic and lumbosacral spine intervention workshop, M S Ramaiah Medical University, Bengaluru, 23<sup>rd</sup> -25<sup>th</sup> August 2018
4. Hands on Cadaveric CAPSI pain workshop on Head and Neck Pain, M S Ramaiah Medical University, Bengaluru, 13<sup>th</sup> -15<sup>th</sup> April 2018

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

**Designation: Additional Professor**

**Invited Lectures:**

1. PG Assembly SGPGI Lucknow 28<sup>th</sup> Feb 2019.
2. Airway Update AIIMS Jdh 15<sup>th</sup> March 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator:**

1. Effect of anaesthetic agents on incidence of emergence delirium in children during recovery from General Anaesthesia"- Funding Agency- AIIMS Jodhpur

❖ **Completed:**

➤ **As Principal Investigator:**

1. Continuous Fascia Iliaca Compartment Block for postoperative pain relief in above knee surgeries- Funding Agency- AIIMS Jodhpur.
2. Can Inferior Vena Cava compressibility index prevent undue co-loading with fluids during spinal anaesthesia- Funding Agency- AIIMS Jodhpur.

➤ **As Co-Investigator:**

1. Role of neuromuscular monitoring for the judicious use of neuromuscular blockers and the reversal agents- Funding Agency- AIIMS Jodhpur

**Scientific Awards/Patents:** Patents Published: Two.

1. Epidural Catheter Dressing. Application no: 201911000356 A. Date: 22/02/2019.
2. Cambou: Camera in Bougie. Application no: 201911001508 A. Date: 22/02/2019.

**Examinership**

1. MD PG Thesis Evaluation External Examiner, SPMC Bikaner, 16<sup>th</sup> March 2019.

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

1. European Society of Intensive Care Medicine (ESICM).
2. Critical Care Medicine (CCM), USA.

**Fellowship:**

1. Six months fellowship in Critical Care and Transplant ICU at Addenbrookes Hospital, Cambridge, UK from April 2018 to September 2018.

**National Conferences attended:**

1. Fundamentals of Biostatistics, Principles of Epidemiology & SPSS, CMC Vellore. Feb 2019.

**Workshops/ Conferences Organised**

1. AHA Certified BLS and ACLS Course, Jaipur. 8<sup>th</sup>-10<sup>th</sup> March 2019.
2. AHA Certified BLS and ACLS Course, AIIMS Jodhpur. May 2019.

**Name of Faculty: Dr. Shilpa Goyal**  
**Designation: Associate Professor**

**Session Chaired:**

1. 7<sup>th</sup> International Conference on Pain Management, held at AIIMS Jodhpur from 27<sup>th</sup> to 31<sup>st</sup> Oct 2018.

**Invited Lectures**

1. BLS in adults. Nursing students (MSc.) BLS, July 2018, Nursing College, AIIMS Jodhpur
2. Anaesthesia in Laparoscopic surgery, 56<sup>th</sup> AMASI Skill Course, Aug 2018, SNMC, Jodhpur.
3. AHA certified BLS and ACLS courses, Aug 2018 and Nov 2018.
4. CPR on "World Restart a heart Day" under the aegis of Rajasthan Society of Anesthesiologists (under ISA), 23<sup>rd</sup> Oct 2018, St Ann's School, Jodhpur
5. Fiberoptic intubation, AOA-2018 Difficult airway workshop, Sep 2018, Jodhpur
6. Fiberoptic intubation in pediatrics, IAPA- 2019 Difficult airway workshop, Feb 2019, AIIMS, Delhi
7. Anaesthetic management of case of CSOM and Anaesthetic management of case of Tonsillectomy, SGPGI- ARC 2019, Mar 2019.
8. AHA certified BLS and ACLS course, Mar 2019, Sankara Eye Hospital, Jaipur
9. Fiberoptic intubation, Airway Update for residents, Mar 2019, AIIMS Jodhpur
10. Maneuvers in airway establishment and ventilation, and techniques of ventilation In Field Setting and Collapsible airway in children and adults: Anaesthetic Consideration, Airway Update for residents, Mar 2019, AIIMS Jodhpur

**Resource Faculty:**

1. Difficult Airway workshop, AOA, Sep 2018, AIIMS Jodhpur
2. Difficult Airway workshop, IAPA, Feb 2019, AIIMS Delhi.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

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

➤ **As Co-Investigator:**

1. Comparison of MTP block and ESP block for postoperative in modified radical mastectomy patients: A double blinded randomized trial. AIIMS Jodhpur
2. Attitude of medical undergraduate students toward anesthesia as a future career: A cross sectional study. AIIMS Jodhpur
3. Comparison of epidural Morphine versus epidural Dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, Randomized Control Trial. . AIIMS Jodhpur
4. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective randomized study. . AIIMS Jodhpur

❖ **Completed:**

➤ **As Principal Investigator:**

1. Effect of anaesthetic agents on incidence of emergence delirium in children during recovery from General Anaesthesia. Funded by AIIMS Jodhpur- (Intramural project).

➤ **As Co-Investigator:**

1. Inferior Vena Cava compressibility index as a predictor of hypotension during Spinal Anaesthesia. Funded by AIIMS Jodhpur – (Intramural project).

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

**Life time Membership:**

1. All India Difficult Airway Association
2. Indian Association of Cardiovascular and Thoracic Anesthesiologists (IACTA)

**National/ International Conferences attended:**

1. National workshop on “ Good Clinical Practice” on 4<sup>th</sup> and 5<sup>th</sup> Aug 2018
2. Thoracic Ultrasound Workshop- 2018, AIIMS, Jodhpur, 9<sup>th</sup> Sep 2018.
3. Joint Leadership Conclave 2018, AIIMS Jodhpur on 3<sup>rd</sup> and 4<sup>th</sup> Dec 2018.
4. SPSS & Biostats Workshop, CMC, Vellore, Feb 2019.

**Workshops/ Conferences Organized**

1. 7<sup>th</sup> International Conference on Pain Management, AIIMS Jodhpur, 27<sup>th</sup> to 31<sup>st</sup> Oct 2018.
2. AHA certified BLS and ACLS courses, AIIMS Jodhpur, August 2018 and Nov 2018.
3. In organizing committee of Annual National Conference of Indian Association of Obstetric anaesthesiologists “AOA- 2018”, Jodhpur, Sep 2018.
4. In scientific committee of “Airway update for Residents” at AIIMS Jodhpur, March 2018.

**Any other information:**

1. Completed training in ‘Paediatric Anaesthesiology’ for three months at AIIMS Delhi from February 2018 to May 2018.

**List of papers co-author presented in the conferences.**

1. “Reversal agents: Do we need to administer with neuromuscular monitoring- an observational study” as Free paper presented in TN Jha category in “Annual State conference” by ISA, held at SPMC, Bikaner in Sep 2018.
2. “Comparison of incidence of emergence delirium in Pediatric patients with three different techniques of General Anesthesia using sevoflurane and propofol: a Randomized controlled trial” as oral paper presentation in 11<sup>th</sup> Annual Conference of the Indian Association of Pediatric Anesthesiologists (IAPA 2019), held at AIIMS Delhi in Feb 2019
3. ”Prune-belly syndrome: Anesthetic implications and management”- Poster presentation in 11<sup>th</sup> Annual Conference of the Indian Association of Pediatric Anesthesiologists (IAPA 2019), held at AIIMS Delhi in Feb 2019

**Name of Faculty: Dr. Mritunjay Kumar**  
**Designation: Associate Professor**

**Books/Chapters**

1. Kumar M, Sharma A. Massive Blood Transfusion. In "Yearbook of Anaesthesiology-8". Raminder Sehgal, Anjan Trikha (Editors), First Edition, Jaypee Brothers Medical Publishers (P) Ltd. New Delhi. 2019: 221-41. ISBN 978-93-5270-603-7
2. Kumar M, Kumar A. Blood Component Therapy. In "Manual of Practical Examination in Intensive Care and Emergency Medicine" First Edition, CBS Publishers & Distributors Pvt. Ltd. 2019: 337-48. ISBN 978-93-88178-79-2

**Papers Presented:**

1. Sharma L, Kumar M, Kamal M, Chhabra S, Kumar R. Failed spinal anaesthesia during Caesarean section: A beginner's dilemma. 11<sup>th</sup> National conference of Association of Obstetrics Anaesthesiologists, 28<sup>th</sup> to 30<sup>th</sup> September 2018 Jodhpur
2. Modi D, Bhatia P, Sethi P, Kumar M, Bihani P. Spinal anaesthesia for Caesarean section in patient with triple mechanical heart valves. 11<sup>th</sup> National conference of Association of Obstetrics Anaesthesiologists, 28<sup>th</sup> to 30<sup>th</sup> September 2018, Jodhpur
3. Agha M, Kumar M, Chawla R, Haloi P, Singh M. Use of caffeine for the treatment of apnea of prematurity and bradycardia in a holoprosencephalic child with cleft lip and palate. 11<sup>th</sup> Annual Conference of the Indian Association of Paediatric Anaesthesiologists, 8<sup>th</sup> to 10<sup>th</sup> February 2019, A.I.I.M.S., New Delhi
4. Bihani P, Kamal M, Kumar M, Bhatia P. Ultrasound guided real time thoracic epidural catheter placement in infants undergoing surgery for congenital choledocal malformation. 11<sup>th</sup> Annual Conference of the Indian Association of Paediatric Anaesthesiologists, 8<sup>th</sup> to 10<sup>th</sup> February 2019, A.I.I.M.S., New Delhi.
5. Chhabra D, Syal R, Kumar M. Digeorge Syndrome: Anaesthetic challenges and management. 11<sup>th</sup> Annual Conference of the Indian Association of Paediatric Anaesthesiologists, 8<sup>th</sup> to 10<sup>th</sup> February 2019, A.I.I.M.S., New Delhi

**Sessions Chaired:**

1. Transplant. 28<sup>th</sup> Annual National Conference of Research Society of Anaesthesiology Clinical Pharmacology, 6<sup>th</sup> to 8<sup>th</sup> April 2018, Jaipur.
2. Posters Session. 20<sup>th</sup> Annual Conference of Indian Society of Anaesthesiologists, Rajasthan Chapter, 22<sup>nd</sup> & 23<sup>rd</sup> September 2018, S.P. Medical College, Bikaner.
3. Posters session. 11<sup>th</sup> National Conference of Association of Obstetric Anaesthesiologists, 28<sup>th</sup> to 30<sup>th</sup> September 2018, SN Medical College, Jodhpur
4. Posters Session. AIIMS Anaesthesiology PG Assembly 2018, Oct 2018, AIIMS, Delhi

**Invited Lectures**

1. An update on liver transplant anaesthesia. 20<sup>th</sup> Annual conference of Society of Anaesthesiologists of Nepal (SANCON 2019), 16<sup>th</sup> March 2019, Kathmandu, Nepal
2. Preoxygenation: Physiologic Basis, Benefits, and Potential Risks, 66<sup>th</sup> Annual conference of Indian Society of Anaesthesiologists- ISACON-2018, 25<sup>th</sup> to 29<sup>th</sup> November 2018, Agra

3. Faculty in. ECG and Emergency drugs. AIIMS Anaesthesiology PG Assembly 2018, October 2018, AIIMS, Delhi
4. Ultrasound of the Airway, 20<sup>th</sup> Annual Conference of Indian Society of Anaesthesiologists, Rajasthan Chapter, S.P. Medical College, Bikaner, 22<sup>nd</sup> & 23<sup>rd</sup> September 2018
5. When to ventilate? Prevention and management of Ventilator Associated Complications. 28<sup>th</sup> Annual National Conference of Research Society of Anaesthesiology Clinical Pharmacology, 6<sup>th</sup> to 8<sup>th</sup> April 2018, Jaipur

**Resource Faculty:**

1. 7<sup>th</sup> International Conference on Pain Management 2018 held at Jodhpur during 27<sup>th</sup> to 31<sup>st</sup> October 2018.
2. CME on Understanding the Ventilators for staff nurses of AIIMS, Jodhpur on 5<sup>th</sup> May 2018.
3. Basic & Advanced Paediatric Life support, 11<sup>th</sup> Annual Conference of the Indian Association of Paediatric Anaesthesiologists (IAPA 2019), 9<sup>th</sup> & 10<sup>th</sup> February 2019, AIIMS, New Delhi
4. Ultrasound guided hands on workshop on Acute Pain Management and Fluoroscopy guided hands on cadaveric interventional workshop on Chronic Pain Management, 7<sup>th</sup> International Conference on Pain Management 2018, 27<sup>th</sup> and 28<sup>th</sup> October 2018, Jodhpur
5. Critical Incidents in Obstetric Anaesthesia, 11<sup>th</sup> National Conference of Association of Obstetric Anaesthesiologists, 28<sup>th</sup> to 30<sup>th</sup> September 2018, Jodhpur
6. Non-invasive Ventilation. CME on Understanding the Ventilators for staff nurses of AIIMS, Jodhpur on 5<sup>th</sup> May 2018, 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, AIIMS Jodhpur
2. Real-Time, In-plane Ultrasound-Assisted Thoracic Epidural Placement in paediatric patients, AIIMS Jodhpur

❖ **Completed:**

➤ **As Co-Investigator:**

1. Role of neuromuscular monitoring for the judicious use of neuromuscular blockers and the reversal agents- Funding Agency- AIIMS Jodhpur

**Examinership**

1. Diploma in Anaesthesia. S.M.S Medical College, Jaipur in May 2018
2. Thesis of M.D. students. S.M.S Medical College, Jaipur in January 2019
3. Thesis Examiner for M.D. students, Jhalawar Medical College, Jhalawar, March 2019
4. Instructor, Phoenix institute of CPR & defibrillation, New Delhi
5. Lifesaving Anaesthesia Skills (LSAS) and Emergency Obstetrics Care (EMOC) training curriculum, National Health Systems Resource Centre, MoHFW, Government of India.

**National Conferences attended:**

1. 2<sup>nd</sup> JIPMER Research Leadership Mentoring Programme (JRLMP-2). Department of Biotatistics, JIPMER, Puducherry, 4<sup>th</sup> to 8<sup>th</sup> February 2019 (Phase I) and 8<sup>th</sup> to 12<sup>th</sup> April 2019 (Phase II)
2. IACTACON-2019, Annual National Conference of the Indian Association of Cardiovascular Thoracic Anesthesiologists, Kolkata, 22<sup>nd</sup> to 24<sup>th</sup> February 2019
3. First AILBS international conference on Liver Transplant Anaesthesia. 17<sup>th</sup> February 2019, New Delhi

**Name of Faculty: Dr. Sadik Mohammed**

**Designation: Associate Professor**

**Sessions Chaired:**

1. Poster presentation session. Rajasthan ISACON Bikaner 2018, 23<sup>rd</sup> and 24<sup>th</sup> September 2018, Bikaner
2. Pain and Regional Anaesthesia. 66<sup>th</sup> Annual National conference of Indian Society of Anaesthesiologists, 25<sup>th</sup> to 29<sup>th</sup> November 2018, Agra

**Invited Lectures**

1. Mechanical Ventilation: Case Scenario, 5<sup>th</sup> May 2018, AIIMS Jodhpur
2. Oxygen: Who needs and Why. Rajasthan ISACON Bikaner 2018, 23<sup>rd</sup> and 24<sup>th</sup> September 2018, Bikaner
3. Con: Regional Anaesthesia in obstetric patients with coagulopathy. 11<sup>th</sup> Annual Conference of Association of Obstetric Anaesthesiologists (AOA) 2018, 28<sup>th</sup> to 30<sup>th</sup> September 2018, Jodhpur
4. ICU Delirium: Face it to erase it!!. West Zone ISACON, 4<sup>th</sup> to 7<sup>th</sup> October 2018, Shirdi.

**Resource Faculty:**

1. Society of Critical Care Medicine (SCCM) Certified Fundamental Critical Care Support Provider Course, 31<sup>st</sup> March and 1<sup>st</sup> April 2018, Jaipur National University, Jaipur
2. Workshop on "Collapsed Parturient". 11<sup>th</sup> Annual Conference of Association of Obstetric Anaesthesiologists (AOA) 2018, 28<sup>th</sup> to 30<sup>th</sup> September 2018, Jodhpur
3. Mechanical Ventilation Course. ACE Forum, 15<sup>th</sup> and 16<sup>th</sup> March 2019, Jaipur
4. Panelist CME-2019 on Antibiotic Resistance, 1<sup>st</sup> and 2<sup>nd</sup> February 2019, AIIMS Jodhpur
5. PG Quiz, 23<sup>rd</sup> and 24<sup>th</sup> September 2018, Rajasthan ISACON 2018, , Bikaner
6. Workshop on Mechanical Ventilation: a Case Scenerio. 5<sup>th</sup> May 2018, AIIMS Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Inferior vena cava respiratory variability as a predictor of post induction hypotension: A prospective, observational study. (CTRI/2018/01/011108)

2. Combined versus sequential injection of 2% xylocaine and 0.5% bupivacaine for supraclavicular brachial plexus block. (CTRI/2018/10/016118), AIIMS Jodhpur
3. Ultrasonographic estimation of gastric emptying and residual volume after ingestion of two different quantities of clear fluid in children: A double blinded randomised controlled study (CTRI/ 2019/02/017425), AIIMS Jodhpur

➤ **As Co-Investigator**

1. Relation of severity of pain to emergence delirium after general anaesthesia in young children: A prospective study. , AIIMS Jodhpur
2. Comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin: an observational study. (CTRI/2018/08/015496) , AIIMS Jodhpur
3. Single Lumen Dual Curvature tube for pediatric endobronchial intubation : A Case Series, AIIMS Jodhpur
4. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following rib fracture: A Randomized open label trial, AIIMS Jodhpur

❖ **Completed:**

➤ **As Co-Investigator**

1. Effect of nitrous oxide and dexmedetomidine on consumption of propofol during general anaesthesia in adult patients: A prospective randomized controlled open label trial. (CTRI/2017/05/008720, AIIMS Jodhpur)

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

**Membership:**

1. Indian College of Anaesthesiology (ICA)
2. Association of Obstetric Anaesthesia (AOA)
3. All India Difficult Airway Association (AIDAA)
4. Indian Association of Cardiovascular & Thoracic Anaesthesiologists (IACATA)
5. Secretary of ISCCM City Branch Jodhpur.
6. Member Executive Committee Rajasthan Society of Anaesthesiologists.

**National/ International Conferences attended:**

1. PRAC 2018 at Pune, 27- 29 April, 2018
2. Good Clinical Practice Course, AIIMS Jodhpur, 4th and 5th August, 2018
3. ISACON, Agra, November 2018
4. Rajasthan ISACON Bikaner, September 2018
5. AOA Jodhpur, September 2018
6. West Zone ISACON 2018, Shirdi October 2018
7. ICPM, Jodhpur, October 2018
8. 1st Module of “JIPMER Research Leadership Mentoring Program” at JIPMER Puducherry, 4th to 8th Feb 2019
9. Thoracic Ultrasound workshop organised by department of pulmonary medicine on 9<sup>th</sup> September 2018.



**Name of Faculty: Dr. Bharat Paliwal**

**Designation: Assistant Professor**

**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
3. Regional anaesthesia. 28<sup>th</sup> Annual conference of Research Society of Anaesthesiology Clinical Pharmacology; 6<sup>th</sup>- 8<sup>th</sup> April 2018, Birla Auditorium, Jaipur.

**Invited Lectures**

1. Paliwal B. Fluoroscopic Epidural Anaesthesia: A rescuing skill in difficult situations. ISACON 2018;4<sup>th</sup> – 7<sup>th</sup> Oct 2018, Shirdi.
2. Paliwal B. Weaning from Mechanical Ventilation. Continuing Medical education on Understanding the Ventilators.12<sup>th</sup> May, 2018; AIIMS, Jodhpur.
3. Paliwal B. Transport of Trauma Victim. Skill Workshop on Management of Trauma Victim in Emergency for Nursing Officers. Jointly organized by AIIMS, Jodhpur and National Academy of Medical Science. 24<sup>th</sup> April 2018. AIIMS, Jodhpur.

**Resource Faculty:**

1. Fluoroscopic guided interventional pain management workshop. 7th International conference on pain management; 28<sup>th</sup> October 2018, AIIMS, Jodhpur.
2. Compression Only Life Support (COLS) training. 23<sup>rd</sup> October 2018, Indigo Public school, Jodhpur.
3. Critical incidents in obstetric anaesthesia (Tackling difficult airways & CNB crisis),11<sup>th</sup> National Conference of Association of Obstetric Anaesthesiologist - AOA 2018; 28<sup>th</sup> Sept 2018, Jodhpur.
4. Judge for poster presentations and conduction of PG quiz, 20<sup>th</sup> Annual Conference of Indian Society of Anaesthesiologists Rajasthan State Chapter; 22<sup>nd</sup>- 23<sup>rd</sup> Sept 2018,PB Medical College, Bikaner
5. AHA Certified BLS provider course; 14<sup>th</sup> Sep 2018, Vasundara Hospital, Jodhpur.
6. Basic life support; July 14 2018,College of Nursing, AIIMS, Jodhpur
7. AHA Certified BLS ACLS provider course; 5<sup>th</sup>-7<sup>th</sup> July 2018, Santokba Durlabhji Memorial Hospital, Jaipur
8. Skill Workshop on Management of Trauma Victim in Emergency, 24<sup>th</sup> April 2018, AIIMS, Jodhpur
9. Judge for poster presentation, 28<sup>th</sup> Annual conference of Research Society of Anaesthesiology Clinical Pharmacology; 6<sup>th</sup>-8<sup>th</sup> April 2018,Birla Auditorium, Jaipur.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. A comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin- An observational study. , AIIMS Jodhpur

2. Haemodynamic changes during induction in patients on single versus combination of antihypertensive drugs, undergoing elective surgeries under General Anaesthesia: An observational Study, AIIMS Jodhpur
3. 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. , AIIMS Jodhpur

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

1. Life Membership, Association of Obstetric Anaesthesiologists(AOA)
2. Life Membership, All India Difficult Airway Association(AIDAA)(18/P-56)
3. Life Membership, Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)

**National/ International Conferences attended:**

1. Rajasthan CONCLAVE 6; Desert Medicine Research Center (Indian Council of Medical Research), Jodhpur, 20<sup>th</sup> - 22<sup>nd</sup> October 2018.
2. CME Robotic Surgery: Expanding Horizons; AIIMS, Jodhpur, 29<sup>th</sup> -30<sup>th</sup> November 2018.
3. Radio frequency Interventional Pain Management Hands on Cadaveric workshop; CAPSI, Ramaiah Advanced Learning Center, Bangalore, 22<sup>nd</sup>-23<sup>th</sup> November 2018.
4. 20th Annual state conference of Maharashtra (ISACON 2018), 4<sup>th</sup>-7<sup>th</sup> October 2018, Shirdi.
5. Workshop on Emotional Intelligence, ISACON 2018, Shirdi, 4<sup>th</sup> October 2018.
6. Thoracic Ultrasound Workshop, Department of Pulmonary Medicine, AIIMS Jodhpur, 9<sup>th</sup> Sept 2018.
7. Interventional Pain Management Hands on Cadaveric workshop on Thoracic and Lumbosacral Spine Interventions; CAPSI, Ramaiah Advanced Learning Center, Bangalore, 23<sup>th</sup>-25<sup>th</sup> August 2018.
8. Good Clinical Practice, AIIMS, Jodhpur, 31<sup>st</sup> July 2018.
9. Interventional Pain Management Hands on Cadaveric workshop on Head and Neck Interventions; CAPSI, Ramaiah Advanced Learning Center, Bangalore, 12<sup>th</sup>-14<sup>th</sup> April 2018.

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

**Designation: Assistant Professor**

**Books/Chapters**

1. Bhatia P, Chhabra S. Apneic Oxygenation. In Yearbook in Anaesthesiology 2018. Raminder Sehgal

**Papers Presented:**

1. Roy S, Kamal M, Chhabra S, Bhatia P. Importance of optimisation in a patient of molar pregnancy with hyperthyroidism: A case report at AOA 2018 at Jodhpur

**Sessions Chaired:**

1. How I do It? ISNACC 2019; February 15-17, 2019; Gurgaon
2. Judged poster presentation session, Rajasthan ISACON Bikaner 2018, September 2018, Bikaner

**Invited Lectures**

1. Manoeuvres in airway establishment and ventilation, and techniques of ventilation (both with and without devices) in hospital setting. Airway Update for residents, 15- 16 March 2019, AIIMS Jodhpur
2. Enhancing Safety of Emergency Anaesthesia by Simulation based Training. ISACON 2018, 25th to 29th November 2018, Agra
3. Apneic Oxygenation. West Zone ISACON October 2018, Shirdi
4. CNB, Anticoagulants & Low Platelets: Newer Guidelines. AOA 2018, September 2018, Jodhpur.
5. Basics of Mechanical Ventilation, Mechanical Ventilation Workshop, 5th May 2018 AIIMS Jodhpur
6. Anaesthesia for paediatric laparoscopic and robotic surgery. RSACPCON 2018, 7-8 Apr 2018, Jaipur
7. Preoxygenation and Apneic Oxygenation. June 2018, MAMC, Agroha
8. Mechanical Ventilation: Case Scenario', 5th May 2018, AIIMS Jodhpur

**Symposium Speaker**

1. Surgery of the airway. Airway Update for residents, AIIMS Jodhpur (15th and 16th March 2019)

**Resource Faculty:**

1. Airway Update for residents, AIIMS Jodhpur (15th and 16th March 2019)
2. Mechanical Ventilation Workshop; ISNACC 2019, 14 February 2019; Gurgaon
3. Conducted PG Quiz, Rajasthan ISACON 2018, September 2018, Bikaner
4. Workshop on Mechanical Ventilation: Case Scenario', 5th May 2018, AIIMS Jodhpur
5. Instructed four American Heart Association (AHA) Certified BLS and ACLS Provider Courses during the said period
  - i. EHCC Jaipur
  - ii. AIIMS Jodhpur
  - iii. AIIMS Jodhpur
  - iv. Sarvodaya Hospital, Faridabad

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

1. Intramural Project: A comparison of insertion characteristics of various airway devices by nursing staff in an airway management trainer/manikin: an observational study (CTRI/2018/08/015496), AIIMS Jodhpur
2. Comparison of the effects of dexmedetomidine and nitroglycerin on cerebral oxygen saturation using near infrared spectroscopy in patients undergoing controlled hypotensive anaesthesia: A randomised non -inferiority trial (CTRI/2018/10/016206) , AIIMS Jodhpur
3. Comparison of oropharyngeal leak pressure and insertion characteristics of Ambu Aura Gain and I gel in patients undergoing laparoscopic inguinal hernia repair: A Randomized Control Trial (CTRI/2019/03/017940) , AIIMS Jodhpur

### ➤ As Co-Investigator

1. Comparison of fascia iliaca compartment Block with adductor canal block for postoperative analgesia in total knee replacement surgery: A randomized controlled trial (CTRI/2019/05/018919) , AIIMS Jodhpur

### Scientific Awards/Patents

1. Third Prize Poster Competition conducted by ISCCM (February 2019)

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

#### Membership:

1. Indian Society of Critical Care Medicine (ISCCM)
2. All India Difficult Airway Association (AIDAA)
3. Indian Association of Cardiovascular & Thoracic Anaesthesiologists (IACTA)
4. Association of Anaesthetists of Great Britain and Ireland (AAGBI)

#### Posts:

1. Joint Secretary of West Zone of Indian Society of Anaesthesiologists

### National/ International Conferences attended:

1. 28<sup>th</sup> Annual conference of Research Society of Anaesthesiology and Clinical Pharmacology (RSACPCON 2018), Jaipur, 7<sup>th</sup> & 8<sup>th</sup> April 2018
2. PRAC 2018 at Pune , 27<sup>th</sup> – 29<sup>th</sup> April, 2018
3. Good Clinical Practice Course, AIIMS Jodhpur, 4<sup>th</sup> and 5<sup>th</sup> August, 2018
4. ISACON, Agra, November 2018
5. Rajasthan ISACON Bikaner, September 2018
6. AOA Jodhpur, September 2018
7. West Zone ISACON 2018, Shirdi, October 2018
8. ICPM, Jodhpur, October 2018
9. ISNACC 2019, Gurugram, February 2019
10. Airway Update for residents, AIIMS Jodhpur, 15th and 16th March 2019

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

**Designation: Assistant Professor**

### Sessions Chaired:

1. 7<sup>th</sup> International conference on pain management (ICPM 2018) 27 to 31st October 2018, AIIMS, Jodhpur.
2. 11th National conference of association of obstetrics anesthesiologist 28th to 30th September 2018 at Jodhpur.
3. 20th Annual conference of Indian society of anesthesiologist, Rajasthan state chapter 'ISACON, Bikaner 2018' 22-23 September 2018, Bikaner.

**Invited Lectures**

1. Speaker for 'Pro-Con' session on Web Based Medical Education in 'Annual conference of research society of anaesthesiology clinical pharmacology' RSACPCON 2018, 6th - 8th April 2018, Jaipur

**Resource Faculty:**

1. Resource person for 'compression only life support programme' on 'restart a heart day' 23rd October 2018 under aegis of ISA in Jodhpur.
2. AHA certified BLS/ACLS, 20-22 December 2018, Vasundhara hospital, Jodhpur
3. Workshop on 'Acute pain management', 7th International conference on pain management (ICPM 2018) 27 to 31st October 2018 at AIIMS, Jodhpur.
4. AHA certified BLS/ACLS course, 24-26 August 2018, Goyal hospital, Jodhpur
5. AHA certified BLS/ACLS, 15-17 June 2018, Vasundhara hospital, Jodhpur.
6. Faculty for AHA certified BLS/ACLS course, 17 to 19 May 2018 Jaipur, Gopinath hospital
7. Workshop on 'Mechanical ventilation Workshop', 12 May 2018 at AIIMS, Jodhpur

**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, AIIMS, Jodhpur
2. Haemodynamic changes during induction in patients on combination of antihypertensive drugs, undergoing elective surgeries under general anaesthesia: An observational study, AIIMS, Jodhpur

**➤ As Co-Investigator**

1. Comparison of epidural morphine versus dexamethasone for post-operative analgesia following lumbar dissection: A double blind randomized control study. , AIIMS, Jodhpur
2. Comparison of intranasal dexmedetomidine – midazolam, ketamine –midazolam and dexmedetomidine –ketamine for premedication in paediatric patients: A double blinded randomized trial. , AIIMS, Jodhpur
3. A study to ascertain the concentration of propofol using target controlled infusion to achieve bispectral index guided sedation for monitored care. , AIIMS, Jodhpur
4. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: A Prospective randomized control trial. , AIIMS, Jodhpur
5. Comparison of qCON with the Richmond Agitation Sedation Scale during dexmedetomidine induced sedation in mechanically ventilated patients. , AIIMS, Jodhpur

**Scientific Awards/Patents**

1. Became ISA certified CPR instructor.

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

1. Life time membership of “ All India Association of Difficult Airway”.
2. Life time membership of “ Indian Association of cardiovascular Thoracic Anaesthesia”.

**National/ International Conferences attended:**

1. 7th International conference on pain management (ICPM 2018) , AIIMS, Jodhpur, 27 to 31st October 2018
2. 11th National conference of association of obstetrics anesthesiologist, Jodhpur, 28th to 30th September 2018
3. 20th Annual conference of Indian society of anesthesiologist, Rajasthan state chapter ‘ISACON, Bikaner 2018’, Bikaner, 22-23 September 2018
4. ‘Annual conference of research society of anaesthesiology clinical pharmacology’ RSACPCON 2018, Jaipur, 6th - 8th April 2018

**Name of Faculty: Dr. Narender Kalaria**

**Designation: Assistant Professor**

**Sessions Chaired:**

1. Neuroanaesthesia session, 28th National Conference of Research Society of Anaesthesiology Clinical Pharmacology – RSACPCON 2018, 6th to 8th April, 2018 Birla auditorium, Jaipur, Rajasthan
2. Anaesthesia for High Risk Parturients, 11<sup>th</sup> National Conference of Association of Obstetric Anaesthesiologists (AOA)-2018, 28<sup>th</sup> - 30<sup>th</sup> September, 2018, Jodhpur, Rajasthan.
3. Free paper presentation session, 66<sup>th</sup> Annual Conference of Indian Society of Anaesthesiologists (ISACON)-2018, 25<sup>th</sup> to 29<sup>th</sup> November, 2018, Jay Pee convention center, Agra, UP.
4. E poster session for case reports, 20<sup>th</sup> Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC)-2019, 15<sup>th</sup> to 17<sup>th</sup> February, 2019, Gurugram, Delhi-NCR.

**Invited Lectures**

1. TB Meningitis in the Indian Scenario, IV<sup>th</sup> Annual Medanta Neuro Critical Care Conference 2018, 31<sup>st</sup> August-2<sup>nd</sup> September, 2018, Medanta the medicity, Gurugram, Haryana.
2. Scopy guided airway establishment in children and adults tips and tricks, Airway Update For Residents workshop, 5<sup>th</sup> March 2019, AIIMS, Jodhpur.

**Resource Faculty:**

1. USG workshop on acute pain and Cadaveric workshop on chronic pain, 7th ICPM International Conference on Pain Management 2018, 26<sup>th</sup> and 27<sup>th</sup> October 2018, AIIMS, Jodhpur
2. Compression Only Life Support (COLS) training; 23<sup>rd</sup> October 2018, Indigo Public school, Jodhpur.

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

1. Comparison of epidural morphine versus epidural dexamethasone for postoperative analgesia following lumbar discectomy: a double blinded, randomized control study

**➤ As Co-Investigator**

1. Comparison of mid point transverse to pleura (MTP) block and Erector spinae block for post operative pain in MRM patients: A double blinded randomized control trial. AIIMS Jodhpur
2. Haemodynamic changes during induction in patients on combination of antihypertension drugs, undergoing elective surgeries under general anaesthesia: An observational study AIIMS Jodhpur
3. Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective, randomized study. AIIMS Jodhpur.

**Scientific Awards/Patents**

1. Merit award for scoring highest mark in course end test, in National Workshop on GOOD CLINICAL PRACTICE Current regulatory and ethical requirements for conducting clinical trials/research in India” at AIIMS Jodhpur from 4<sup>th</sup> & 5<sup>th</sup> August, 2018

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

1. Life membership of Association of Obstetric Anaesthesia (AOA)
2. Life membership of All India Difficult Airway Association (AIDAA)
3. Life membership of Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACTA)
4. Life membership of Indian Society Critical Care Medicine (ISCCM)
5. Life membership of Society of Neurocritical care- India (SNCC- India)

**National/ International Conferences attended:**

1. 28<sup>th</sup> National Conference of Research Society of Anaesthesiology Clinical Pharmacology – RSACPCON 2018, 2018 Birla auditorium, Jaipur, Rajasthan, 6<sup>th</sup> to 8<sup>th</sup> April
2. CME Robotic Surgery: Expanding Horizons; AIIMS, Jodhpur, 29<sup>th</sup> to 30<sup>th</sup> November 2018
3. Thoracic Ultrasound Workshop, Department of Pulmonary Medicine, AIIMS Jodhpur, 9<sup>th</sup> Sept 2018.
4. Good Clinical Practice Course, AIIMS Jodhpur, 4<sup>th</sup> and 5<sup>th</sup> August, 2018
5. 66<sup>th</sup> Annual Conference of Indian Society of Anaesthesiologists (ISACON)-2018, 25<sup>th</sup> to 29<sup>th</sup> November, 2018, Jay Pee convention center, Agra, UP 11<sup>th</sup> National Conference of Association of Obstetric Anaesthesiologists (AOA)-2018, Jodhpur, Rajasthan, 28<sup>th</sup> - 30<sup>th</sup> September, 2018.
6. 7<sup>th</sup> ICPM International Conference on Pain Management 2018, AIIMS, Jodhpur, 26<sup>th</sup> and 27<sup>th</sup> October 2018

7. Thoracic Ultrasound workshop organised by department of pulmonary medicine, AIIMS Jodhpur 9<sup>th</sup> September 2018
8. 20<sup>th</sup> Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC)-2019, Gurugram, Delhi-NCR, 15<sup>th</sup>–17<sup>th</sup> Feb, 2019.

**Name of Faculty: Dr. Rakesh Kumar**  
**Designation: Assistant Professor**

**Sessions Chaired:**

1. Role of preoxygenation in parturient. 11<sup>th</sup> National Conference of Association of obstetric Anesthesiologist, 2018, Jodhpur
2. Peripheral nerve block in morbidly obese patients. 4<sup>th</sup> Annual National Conference of Anesthesia society for Obesity 13<sup>th</sup> Jan 2019, Ahmedabad

**Invited Lectures**

1. 'Basics of Noninvasive Mechanical Ventilation' workshop on mechanical ventilation, 12<sup>th</sup> May 2018, AIIMS Jodhpur
2. Use of suroglottic devices in prone position (Pro&con session) in National airway conference, Kolkata 2018
3. Peripheral nerve injury due to nerve block. at Rajasthan ISACON Bikaner 2018, 23 September 2018, Bikaner
4. 'Hypotension Anesthesia'. West Zone ISACON, 5<sup>th</sup> October 2018, Shirdi
5. 'New Frontier of Pain Management in Thoracic Region:Ultrasound Guided Newer Blocks, SANCON. 16<sup>th</sup> march 2019 at Nepal

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. A newer approach for thoracic paravertebral block "The mid point transverse process to pleura (MTP) block" for postoperative analgesia in patients undergoing Modified Radical Mastectomy : A Case series, AIIMS Jodhpur

➤ **As Co-Investigator**

1. Single Lumen Dual Curvature tube for pediatric endobronchial intubation : A Case Series
2. Comparison of Thoracic Epidural and Erector Spinae Plane block for analgesia following rib fracture: A Randomized open label trial

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

1. Indian Society of Critical Care Medicine
2. Indian Association Cardiovascular and Thoracic Anaesthesiologist



**National/ International Conferences attended:**

1. 20<sup>th</sup> ISACON Rajasthan 2018,ISA City Branch Bikaner, S P Medical College ,Bikaner ,22<sup>nd</sup> - 23<sup>rd</sup> September 2018
2. 9<sup>th</sup> National Airway Conference All India Difficult Airway Association Kolkata branch, Biswa Bangla Convention center 7<sup>th</sup> to 09<sup>th</sup> Sep 2018.
3. 14<sup>th</sup> Annual ISACON West Zone Conference ,ISA City Branch Shirdi , St Lauren resort 4<sup>th</sup> to 07<sup>th</sup> Oct 2018
4. 11<sup>th</sup> National Conference of Association of obstetric Anesthesiologist, ISA Jodhpur city branch, Marugarh resort, 28-30 September 2018
5. International conference of Pain Medicine, Department of Anesthesia &Critical care , AIIMS Jodhpur, Indana Palace, 27-31 october 2018
6. 20<sup>th</sup> Society of Anaesthesiologists of Nepal Annual Conference ,Society of Anaesthesiologists of Nepal, Hotel Solatee crown Plaza,Kathmandu 14<sup>th</sup> -17<sup>th</sup> March 2019



Demonstration being done during SUA Workshop



Participant training during BLS ALS course



Participants during SUA Workshop

## 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

### About Department Of Anatomy

The Department of Anatomy has ever since its establishment is been imparting & providing quality education for undergraduate medical students & also to Post graduates of the department as well as other disciplines. Well-planned curriculum enables the students to develop a concrete foundation of the subject. Department seeks to explore teaching-learning through group activities, seminars, internet based learning tools, virtual dissection table, small group teaching & well paced assessments. Post Graduate activities involves seminars, journal club & microteaching on regular basis.

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

The state-of-art museum is an invariably cherished possession. It upholds a collection entailing a wide range of specimen, dissected with prodigious skill. It includes:

- Gross anatomy specimen exhibiting structural organisation
- Embryology models
- Acrylic models
- Hand-made models of neuroanatomy prepared by students
- Osteological material

A bone bank is created after meticulous R & D effort of in-house retrieval techniques. World class embalming unit helps to carry out routine and specialised embalming.

Community awareness and felicitation program is also run to motivate for the body donation.

### 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 strategic direction

The department envisages to continue attaining academic excellence and is determined to develop following facilities:

- Collaborative research programme within and outside institute

### Facilities at the Department

1. **Dissection Hall:** Well-equipped dissection hall with Cold storage facility of 12 cadavers. There are five outsized storage tanks accomodating 50 human cadavers. Electric band saw facility is for the sectioning. For cadaveric preservation Phenoxxyethanol is used with added advantage as it is a non-toxic, non-carcinogenic and non-irritant as compared to formaldehyde.
2. **Histology Lab:** It has more then 4,000 H & E and special stained histology slides prepared in-house. There is a demonstration microscope with camera for image capture with 50 inch LCD TV for projection. Preparation room has automated paraffin embedding unit, freezing microtome etc. An inverted microscope and a high end binocular microscope is also there.
3. **Museum:** A museum display exhibiting prosected and potted specimens of gross anatomy, osteology material without and with colored details. It has a Histology, radiology and cross-sectional anatomy wall mounted gallery and also has models of developmental anatomy.
4. **Demonstration room:** Two in number and has A-V facilities. One of it has a Digital Visualiser for teaching-learning.
5. **Seminar Room cum Departmental Library:** With proper sitting arrangement and adequate number of books for the study references.
6. **Research Lab:** It has facilities related to cytogenetics work for studying Genetic disorders and Genetic Counselling.
7. **Burial Ground:** It is wall-enclosed restricted area near Mortuary. After the dissection, cadavers are interred here for specific duration. Later exhumation is done for retrieval of bones for bone bank.

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Dixit SG, Potaliya P, Nayeemudin SM, Ghatak S. Low fidelity model making activity by student: A novel way of learning concepts of neuroanatomy. *J Clinc Neurosci*. 2018; 52:100-4.
2. Dixit SG, Ghatak S, Singh P, Bhattacharya S. Estrogen Receptor, Progestrone Receptor & CD 8 + Expression in endometrium of women of unexplained infertility. *J Gynecol Obstet Hum Reprod*. 2018, 47(10):533-537.

#### Non-Pubmed Indexed:

1. Potaliya P, Dixit SG, Ghatak S. Flourensence in Situ Hybridization (FISH): A review on its contemporary Implementations. *Ind J Gen Mol Res* 2018; 7(2): 59-62.
2. Sharma S, Kataria D, Dixit SG, Potaliya P, Ghatak S. Multiple renal vascular variations: A case series. *Int J Anat Var* 2018; 11(3): 90-2.

3. Chowdhary R, Ghatak S, Potaliya P. A unique case of accessory brachial artery and its continuation as accessory ulnar artery: a case report. *Int J Med H Res* 2018; 4(7):378-9.
4. Choudhary A, Garg P, Ghatak S. Sub hepatic position of the vermiform appendix with adhesion - a case finding. *Afr Bio Med Res* 2019; 2(1):1-3.

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

1. 2<sup>nd</sup> Hands-on Cadaveric Dissection course in Head & Neck Surgery. With collaboration of Department of Otorhinolaryngology, AIIMS Jodhpur, 17-18 August 2018.
2. Fluoroscopy Guided Hands-on Cadaveric Interventional Workshop for Chronic Pain Management. With collaboration of Department of Anaesthesiology and Critical care, AIIMS Jodhpur, 28 October 2018
3. 2<sup>nd</sup> Annual Live surgery and cadaveric dissection course in Rhinoplasty, With collaboration of Department of Otorhinolaryngology, AIIMS Jodhpur, 12-13 October 2018.
4. 2<sup>nd</sup> Hands-on workshop on Fluorescent in situ hybridization (FISH), Department of Anatomy, AIIMS Jodhpur, 20-21 December 2018
5. 1<sup>st</sup> Hands-on workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology Update 2019, with collaboration of Department of Forensic Medicine, AIIMS Jodhpur, 26-28 March 2019.

### **Other Information:**

#### **2<sup>nd</sup> Hands-on workshop on Fluorescent in situ hybridization (FISH)**

Department of Anatomy, AIIMS Jodhpur has successfully organized “2<sup>nd</sup> HANDS-ON WORKSHOP ON FISH” on 20<sup>th</sup> -21<sup>st</sup> December 2019 in Cytogenetics Facility in Research laboratory.

In succession of earlier workshop this was organized with the objective of to provide novel platform for the insight into the basic principles of FISH, instrumentation, probe selection and its application in research and diagnosis. The instructors and organizers intended to update the existing knowledge of participants and comprehend them with the skilled training in technique and its recent advances. FISH is a versatile procedure providing a novel way for researchers to visualize and map the genetic material and utilized as a diagnostic tool for detection of a variety of chromosomal abnormalities in various diseases. During the workshop 24 participants from various institutes from all over the country were trained on both the theoretical and practical aspects of Fluorescent In Situ Hybridization technique(FISH). The workshop offered a full array of technique from probe selection, chromosome/cell preparation to expert result interpretation, trouble shooting and quality control. The participants were provided hands-on practice on the technique with its applications in human genetics. On the second day of the workshop, a post-test was conducted for the participants. The feedback on training programme was also provided by the participants. On exploration it was found to be reassuring with few critical remarks which will certainly help in further improvement.



Honour to the Guest



FISH Workshop in progress

**Name of Faculty: Dr. Surajit Ghatak**

**Designation: Professor & Head**

### **Books/Chapters**

1. John T. Hansen. Foreword. In: Netter's anatomy: an instant review. second south asia edition. Elsevier 2019: 4
2. Currently working as an adaptive Editor for Elsevier Sobotta's Dissection Manual: First South Asia Edition.

### **Papers Presented**

1. Ghatak S. Immunohistochemical study of C-cells morphology, distribution and localization in the thyroid gland: a pilot study in cadaveric tissue. 15<sup>th</sup> annual conference of the Australian and New Zealand association of Clinical anatomists, 1-6 December 2018, James Cook university, Townsville, Australia.

### **Session Chaired**

1. 66th National Conference of Anatomical Society of India. 66th NATCON. 11-14 November 2018, AIIMS Rishikesh.
2. International conference on exploring anatomy and genetics by modern research trends and education. 9<sup>th</sup>-10<sup>th</sup> April 2018, AVM College Puducherry.

### **Resource Faculty**

1. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology Updates 2019. 26 -28 March 2019, AIIMS, Jodhpur.
2. 2<sup>nd</sup> Hands-on workshop on FISH, 20-21 December 2018, AIIMS, Jodhpur.
3. 2<sup>nd</sup> Hands-on Cadaveric Dissection Course in Head & Neck Surgery, 17 -18 August 2018, AIIMS, Jodhpur.
4. 2<sup>nd</sup> Annual Live Surgery and Cadaveric Dissection Course in Rhinoplasty, 12-13 October 2018, AIIMS, Jodhpur.
5. Fluoroscopy guided hand- on cadaveric interventional workshop for chronic pain management, 28 October 2018, AIIMS, Jodhpur.

### **Research Project**

#### **❖ Ongoing:**

##### **➤ As Co-Investigator**

1. In-vitro evaluation for pro-healing modifications of endothelial cells by *Prosopis Cinereria*, a locally available conventional promoter of wound healing.
2. Expression analysis of inflammasome-forming NLRs in gliomas for identification of novel therapeutic interventions. funded by Department of Bio-Technology, Government of India, IIT Jodhpur

#### **❖ Completed**

##### **➤ As Co-Investigator**

1. Application of improved formol-thionin method to paraffin-embedded sections in various mammalian central nervous system for differential staining of nerve cells and fibres.

2. Enhancing student centered active-learning by “Flipped classroom in a histology module”

### **Scientific Awards/Patents**

1. ‘Ghatak-Potaliya (GP) modified thionin differential staining technique for paraffin embedded neural tissue.’ International Classification: G01N1/30. The Patent Office Journal No. 13/2019, Dated 29/03/2019.

### **Examinership**

1. MD (Anatomy). Hind Institute of Medical Science, Safedabad, Barabanki, Lucknow, 24-25 August 2018
2. MBBS. NIMS Jaipur, 4<sup>th</sup> - 7<sup>th</sup> July 2018
3. MD (Anatomy), K.G.M.U, Lucknow, 18<sup>th</sup> – 21<sup>st</sup> June 2018

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

1. Fellow of International Medical Sciences Academy; Associate Member of Council for International Organizations of Medical Sciences, Geneva.
2. Fellow; Royal Society of Biology, London, U.K.

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

1. 66<sup>th</sup> National Conference of Anatomical Society of India. All India Institute of Medical Sciences Rishikesh, 11<sup>th</sup> - 14<sup>th</sup> November 2018
2. International conference on exploring anatomy and genetics by modern research trends and education, AVM College, Puducherry, 9<sup>th</sup>-10<sup>th</sup> April 2018.
3. 15th annual conference of the Australian and New Zealand association of Clinical anatomists. James Cook University, Townsville, Australia, 1<sup>st</sup> - 6<sup>th</sup> December 2018.

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

**Designation: Additional Professor**

### **Papers Presented:**

1. Suyashi, Dixit SG, Nayyar AK, Khera P, Ghatak S. Morphometric Study of Anterior Communicating Artery and Posterior Communicating Artery in Patients Undergoing Digital Subtraction Angiography (DSA) Evaluation. 66th National Conference of Anatomical Society of India, 11-14 November 2018, AIIMS, Rishikesh

### **Resource Faculty:**

1. Workshop on Mentorship. 15<sup>th</sup> February 2019, AIIMS, Jodhpur.
2. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology Updates 2019. 26 -28 March 2019, AIIMS, Jodhpur.
3. 2<sup>nd</sup> Hands-on workshop on FISH. 20-21 December 2018, AIIMS, Jodhpur.
4. Joint leadership conclave on healthcare technologies. 3-4 December 2018, AIIMS, Jodhpur
5. Interventional Pain Procedures: Hands on Workshop at 7<sup>th</sup> ICPM on Pain Management. 28 October 2018, AIIMS, Jodhpur.



6. 2<sup>nd</sup> Hands-on Cadaveric Dissection Course in Head & Neck Surgery, 17 -18 August 2018, AIIMS, Jodhpur.
7. 2<sup>nd</sup> Annual Live Surgery and Cadaveric Dissection Course in Rhinoplasty, 12-13 October 2018, 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
2. Attitudes of Indian students towards cadaveric dissection during anatomy dissection sessions in their first year of medical training.

##### **➤ 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. Flipping to Empower Adolescents for Sexual and Reproductive Health- As Collaborator. Funded by Grand Challenges Canada.
4. Evaluating an innovative method to teach genetics to medical students: Improving Competency and interest in Applied Basic Sciences. Intra-Mural Grant AIIMS, Jodhpur.
5. To explore utility of digital learning using multimedia and Audience Response System (Clickers) in Medical Education for UG Medical students.

##### **❖ Completed:**

##### **➤ As Principal Investigator**

1. Isolation of stem cell from olfactory mucosa. Intra mural grant by AIIMS, Jodhpur.

#### **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

**Name of Faculty: Dr. Renu Gupta**

**Designation: Associate Professor**

#### **Resource Faculty**

1. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology Updates 2019. 26 -28 March 2019, AIIMS, Jodhpur.
2. 2<sup>nd</sup> Hands-on workshop on FISH; 20-21 December 2018, AIIMS, Jodhpur.
3. 2<sup>nd</sup> Hands-on Cadaveric Dissection Course in Head & Neck Surgery, 17 -18 August 2018, AIIMS, Jodhpur.

4. 2<sup>nd</sup> Annual Live Surgery and Cadaveric Dissection Course in Rhinoplasty, 12-13 October 2018, AIIMS, Jodhpur
5. Fluoroscopy Guided Hand- on Cadaveric Interventional Workshop for Chronic Pain Management, 28 October 2018, AIIMS, Jodhpur

### **Examinership**

1. MBBS Batch 2017- 2018 (Supplementary ), S.N. Medical College, Jodhpur, 29<sup>th</sup> Oct, 2018.
2. MBBS Batch 2017-2018, S.N. Medical College, Jodhpur, 23-25 July 2018.

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

1. Life Member, Indian Society of Human Genetics
2. Member, American Association of Anatomist
3. Life Member, Society of Clinical Anatomist

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

1. 3 T- IBHSc Training Course for Health Science Faculty, AIIMS Jodhpur, 23-25 May 2018.

**Name of Faculty: Dr. Dushyant Agrawal**

**Designation: Associate Professor**

### **Papers Presented:**

1. Agrawal D, Singh YR. Role of Magnesium Supplementation to Improve Visual Evoked Potential in Diabetic Neuropathic Patients. 2<sup>nd</sup> Asia-Pacific Cardio Metabolic Syndrome (APCMS2019), 22-23 February 2019, Seoul, South Korea.

### **Sessions Chaired:**

1. Imaging Anatomy, 26<sup>th</sup> conference of UP chapter of Anatomical Society of India (UPASICON-2018), 6-7 October 2018, King George's Medical University, Lucknow
2. Gross Anatomy, 66<sup>th</sup> National Conference of Anatomical Society of India, 11-14 November 2018, All India Institute of Medical Sciences, Rishikesh

### **Resource Faculty:**

1. 2<sup>nd</sup> Hands - on Soft Cadaveric Dissection Course on Head & Neck Surgery, 17-18 August 2018, AIIMS, Jodhpur
2. Post Conference Workshop on Karyotyping. 26<sup>th</sup> conference of UP chapter of Anatomical Society of India (UPASICON-2018), 7<sup>th</sup> Oct 2018, King George's Medical University, Lucknow
3. 2nd Annual Live Surgery cum Soft Cadaveric Dissection Course on Rhinoplasty, 12-13 October 2018, AIIMS, Jodhpur
4. Interventional Pain Procedures: Hands on Workshop, 7th ICPM International Conference on Pain Management 2018, 28 October 2018, AIIMS, Jodhpur
5. 2<sup>nd</sup> Hands on Workshop on FISH (Fluorescent in-situ hybridization technique), 20-21 December 2018, AIIMS, Jodhpur

6. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology update 2019, 26-28 March 2019, AIIMS, Jodhpur

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Co-Investigator**

1. Chromosomal aberrations in Wilms' tumor
2. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study

#### **Examinership**

1. BDS, Vyas Dental College & Hospital Jodhpur, 2-3 November 2018
2. MBBS, SMS Medical College, Jaipur, 26-29 July 2018

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

1. Member, Royal Society of Biology, UK

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

1. 26<sup>th</sup> conference of UP chapter of Anatomical Society of India (UPASICON- 2018). Department of Anatomy, King George's Medical University, Lucknow, 6-7 October 2018
2. 7<sup>th</sup> ICPM International Conference On Pain Management. Department of Anaesthesiology, All India Institute of Medical Sciences, Jodhpur, 27-31 October 2018
3. 66<sup>th</sup> National Conference of Anatomical Society of India. Department of Anatomy, All India Institute of Medical Sciences, Rishikesh, 11-14 November 2018
4. Joint leadership conclave on healthcare technologies. All India Institute of Medical Sciences, Jodhpur, 3-4 December 2018
5. 2<sup>nd</sup> Asia-Pacific Cardio Metabolic Syndrome (APCMS2019) Cardio-Met Asia. Korean Society of Cardio-metabolic Syndrome, Grand Hilton, Seoul, Korea, 22-23 February 2019

#### **Other Achievements**

1. Appointed as Visiting Professor of Anatomy at Royal College of Surgeon in Ireland, Dublin
2. GSMC-FAIMER fellowship (Foundation for Advancements of Medical Education & Research) 2018

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

**Designation: Associate Professor**

#### **Papers Presented:**

1. Nayyar AK, Ghatak S. Bone Retrieval from Human Cadavers by Ghatak-Nayyar Method. NATCON 66, 11 -14 November 2018, AIIMS, Rishikesh.

#### **Resource Faculty:**

1. 2<sup>nd</sup> Hands - on Soft Cadaveric Dissection Course on Head & Neck Surgery, 17-18 August 2018, AIIMS, Jodhpur

2. 2nd Annual Live Surgery cum Soft Cadaveric Dissection Course on Rhinoplasty, 12-13 October 2018, AIIMS, Jodhpur
3. Interventional Pain Procedures: Hands on Workshop at 7th ICPM International Conference on Pain Management 2018, 28 October 2018 AIIMS, Jodhpur
4. 2<sup>nd</sup> Hands on Workshop on FISH (Fluorescent in-situ hybridization technique), 20-21 December 2018, AIIMS, Jodhpur
5. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination. Forensic Anthropology update 2019, 26 -28 March 2019, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. Good Clinical Practice, current regulatory and ethical requirements for conducting clinical trials/ research in India, AIIMS, Jodhpur, 4 -5 August 2018.
2. Preconference CME cum Workshop on “Recent advances in Infertility”, AIIMS, Rishikesh, 11th November 2018
3. 66th National Conference of Anatomical Society of India, All India Institute of Medical Sciences, Rishikesh, 11-14 November 2018
4. Masterclass with CME “Robotic Surgery: Expanding Horizons”, AIIMS, Jodhpur, 29-30 November 2018
5. Joint leadership conclave on healthcare technologies, All India Institute of Medical Sciences, Jodhpur, 3-4 December 2018
6. 3rd Asian and African Stereology Congress”, All India Institute of Medical Sciences, New Delhi and Maulana Azad Medical College, New Delhi, 20-21 December 2018
7. Plastination- A novel technique for museum specimen preparation, Sathagiri institute of medical Sciences & Research Centre, Chikkasandra, Hesarahatta main road, Bangalore, 22-23 March 2019

**Name of Faculty: Dr. Pushpa Potaliya**

**Designation: Assistant Professor**

**Papers Presented:**

1. Potaliya P, Ghatak S. Differential modified thionin staining of nerve cells and fibers in Paraffin embedded section: Comparison with conventional methods. International conference on exploring anatomy and genetics by modern research trends and education; 9-10 April 2018, AVM College, Puducherry.

**Resource Faculty:**

1. 2<sup>nd</sup> Hands - on Soft Cadaveric Dissection Course on Head & Neck Surgery, 17-18 August 2018, AIIMS Jodhpur
2. 2nd Annual Live Surgery cum Soft Cadaveric Dissection Course on Rhinoplasty, 12-13 October 2018, AIIMS, Jodhpur
3. Interventional Pain Procedures: Hands on Workshop. 7th ICPM International Conference on Pain Management 2018, 28 October 2018 AIIMS, Jodhpur

4. Masterclass with CME: Robotic surgery: Expanding horizons, Joint collaboration of AIIMS Jodhpur and Vattikuti foundation USA, 29-30 November 2018, AIIMS Jodhpur
5. 2<sup>nd</sup> Hands on Workshop on FISH (Fluorescent in-situ hybridization technique), 20-21 December 2018, AIIMS Jodhpur
6. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination, Forensic Anthropology update 2019, 26-28 March 2019, AIIMS, Jodhpur

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Principal investigator**

1. 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. Application of improved formol-thionin method to paraffin-embedded sections in various mammalian central nervous system for differential staining of nerve cells and fibres.
2. Enhancing student centered active-learning by “Flipped classroom in a histology module”

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

1. Best paper award. Oral Presentation, International conference on exploring anatomy and genetics by modern research trends and education 2018, AVMC, Puducherry, 10 April 2018
2. ‘Ghatak-Potaliya (GP) modified thionin differential staining technique for paraffin embedded neural tissue.’ International Classification: G01N1/30. The Patent Office Journal No. 13/2019, Dated 29 March 2019

#### **Examinership**

1. BPT, SLNG Institute of Physiotherapy, Jodhpur, 25 October 2018
2. BPT, KC Memorial College of Physiotherapy, Jodhpur, 23 October 2018

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

1. Member; American Association of Anatomists

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

1. Workshop on Mentorship program. AIIMS, Jodhpur, 15 February 2019
2. Joint leadership conclave on healthcare technologies. AIIMS, Jodhpur, 3-4 December 2018

3. Workshop on 3<sup>rd</sup> Asian and African Stereology Congress. Maulana Azad Medical College and All India Institute of Medical Sciences, New Delhi, 18-20 December 2018
4. International conference on exploring anatomy and genetics by modern research trends and education. AVM College, Puducherry, 9-10 April 2018

**Name of Faculty: Dr. Sonali Adole**

**Designation: Assistant Professor**

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

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

❖ **Completed:**

➤ **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

**National Conference attended:**

1. 4<sup>th</sup> International Conference on Birth Defects (ICBD 2018) jointly held with 5<sup>th</sup> Annual Conference of the Society of Indian Academy of Medical Genetics, Christian Medical College, Vellore, 13-14 December.

**Workshops attended :**

1. 1<sup>st</sup> Hands-on Workshop on Human Remains Recovery: Exhumation to Examination. Department of Forensic Medicine, AIIMS, Jodhpur, 26-28 March 2019
2. 2<sup>nd</sup> Hands-on workshop on Fluorescence In Situ Hybridization. Department of Anatomy, AIIMS, Jodhpur, 20-21 December 2018
3. Workshop on "CANCER GENETICS". 4<sup>th</sup> International Conference on Birth Defects (ICBD 2018) jointly held with 5<sup>th</sup> Annual Conference of the Society of Indian Academy of Medical Genetics, Christian Medical College, Vellore, 15 December 2018.
4. 2<sup>nd</sup> Annual live surgery & cadaveric dissection course in Rhinoplasty. AIIMS, Jodhpur, 12-13 October 2018.
5. 2<sup>nd</sup> Hands on Cadaveric dissection course in Head & neck surgery. AIIMS, Jodhpur, 17-18 August 2018.
6. Fluoroscopy guided hands on cadaveric Interventional workshop for chronic pain management. AIIMS, Jodhpur, 27-31 October 2018.

## Department of Biochemistry

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

### About the Department

#### 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 teaching, research and patient care services by providing advanced and routine biochemical analyses for diagnosis and prognosis.

#### Facilities and Services

##### Teaching

The department is actively involved in the undergraduate and postgraduate teaching. The teaching methodology involves didactic and interactive lectures, audio visual presentations and group discussions during tutorials. Vertical and horizontal integration is practised to generate clinical interest and understanding of the subject.

There are seven MD, 2 MSc and 3 PhD candidates. Regular seminars, journal clubs and hospital clinical lab postings keep them oriented to latest research, technology and hospital workflow. The department also has one DST Inspire faculty Dr Chinamayi Choudhary and Ramalingam Swamy fellow Dr Kishan Kumar Nyati.

##### 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 and chemiluminescence based analyzers. In addition to routine blood investigations, specialized blood tests including hormones assays, immunological markers and trace elements like lead and zinc are provided for patient care. The Clinical Biochemistry lab is a part of the external quality control program and therefore assures accurate results.

The Clinical Biochemistry, Molecular Diagnostics and research lab is well equipped with state of the art instruments including flow cytometer, PCR, RT-PCR, HPLC, gel electrophoresis (vertical & horizontal), ELISA reader, Microplate reader and Atomic absorption spectrophotometer etc. The Biochemistry Laboratory at AIIMS Jodhpur is functional 24 hours since March 2015 and is efficiently providing services to the hospital patients.

### Research activities in Department

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 faculty at the department have completed ten intramurals 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 more than 28 ongoing intramural projects in collaboration with various clinical and non-clinical specialties. There are 8 faculty members, 9 Senior Residents, 7 Academic Junior Residents, 5 demonstrators, 2 post-doc fellow and 35 non-teaching laboratory technical staff.

### Future Plans

Department has advanced in the direction for research related to in depth molecular studies and is in the process of procuring & constituting state of the art labs for heavy metals & trace elements analysis which entails ICP-MS facility. In addition to this in the near future proteomics and genomics state of the art research and diagnostic lab is in pipeline.

### Compiled list of Publications of the department:

#### Pubmed Indexed:

1. Kumar A, Sharma, 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.
2. 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.
3. Disha, Sharma S, Goyal M, Kumar PVS N K, Ghosh R, Sharma P. Association of raised blood lead levels in pregnant women with preeclampsia: A study at tertiary centre. *Taiwan J Obstet Gyne*.2019;58;60e63
4. 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); 1–2
5. Dwivedi S, Purohit P, Misra, R. et al. Single Cell Omics of Breast Cancer: An Update on Characterization and Diagnosis *Ind J Clin Biochem*.2019;34(1);3-18.
6. 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(3):280-287
7. Ali Beg MM, Fahdil SR, Yadav P, Shukla KK, Mohan A, Saxena A. Association of EGFR 1 Gene Alteration and their Association with Lung Adenocarcinoma Patients, *Asian Pac J Cancer Prev*. 2019;20(3);825-830
8. Vyas H, Purohit P, Dutt N, Sharma P. Microalbuminuria in Chronic Obstructive Pulmonary Disease with and Without Co-morbidities *Ind J Clin Biochem*.2019;34(3); 367–368
9. Dwivedi S, Sharma P. Stem Cell Biology: A New Hope in Regenerations and Replenishments Therapy. *Ind J Clin Biochem*.2018: 33; 369-371



10. Yadav DK, Kumar S, Choi EH, Sharma P, Misra S, Kim MH. Insight into the Molecular Dynamic Simulation Studies of Reactive Oxygen Species in Native Skin Membrane. *Front. Pharmacol.* 2018;27(9);644.
11. Chaudhry K, Khatana S, Dutt N, Mittal Y, Sharma S, Elhence P. Systematic Review of Lesser Known Parasitoses: Maxillofacial Dirofilariasis. *J. Oral Maxillofac. Surg.* 2018;18(2);180-189
12. Shukla A, Sharda B, Sharma S, Bhardwaj S, Kailash U, Kalani R, Satyanarayana L, Shrivastava A. Association Between Serum Testosterone and Serum PSA Among Men with and Without Partial Androgen Deficiency. *Ind J Clin Biochem* <https://doi.org/10.1007/s12291-018-0785-3>
13. Nebhinan N, Sharma P, Pareek V, Suthar N, Jakhotia S, Gehlot M, Purohit P. Association of Inflammatory and Liver Markers with Cardiometabolic Risk Factors in Patients with Depression. *Ind J Clin Biochem* .2018: 34(2);219-224

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

1. Sankanagoudar S, Mali S. Frequency of ABO blood group and Rhesus factor (D) in patients of type 2 diabetes mellitus attending tertiary care teaching hospital of south India. *Int J Clin Biochem Res.* 2018; 05(3):383-385.
2. Singh G, Sankanagoudar S, Bure D. Association between glycated haemoglobin and serum lipid profile in type 2 diabetic patients in Kumaun Region, Uttarakhand. *JMSCR*; 2018: 06 (03); 347-352.

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

1. North Zone ACBICON 2018 Department of Biochemistry, AIIMS, Jodhpur. 7 & 8 April, 2018
2. Guest lecture on " Redox Regulation by proteins of the Thioredoxin family ". 06th March 2019

#### **Eminent Visitors:**

1. Prof. Abbas Ali Mehadi, President ACBI
2. Dr. Rajeev Ranjan Sinha, Secretary ACBI
3. Prof. P. D Carsten Berndt, Germany
4. Prof Madhu Dikshit, Former Director CSIR, Lucknow

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

##### **Report on North Zone ACBICON 2018 (7-8 April,2018)**

North Zone ACBICON 2018 based on theme "Paradigm shift in Lab medicine: Integrating omics with diagnostics "was held in AIIMS Jodhpur on 7<sup>th</sup> & 8<sup>th</sup> April 2018. The conference was organized by the Department of Biochemistry, All India Institute of Medical Sciences, Jodhpur under aegis of Rajasthan Society for Association of Clinical Biochemists India. The two days' conference was inaugurated by Prof Madhu Dikshit, Former Director CSIR, Lucknow. Prof Abbas Ali Mahdi President ACBI, Prof Rajeev R Sinha General Secretary ACBI, Prof Sanjeev Misra, Director AIIMS Jodhpur and Prof Praveen Sharma were the eminent personalities present on the dais.

Inauguration began with the lighting of the lamp by the honourable guests. Welcome note was delivered by the patron Prof Praveen Sharma. The luminaries on the dais unveiled the souvenir which was followed by keynote address by Prof Madhu Dikshit. The vote of thanks was delivered by Dr Shailja Sharma, the state representative ACBI.

This conference observed participation from experts from various fields at a platform where delegates were enlightened by the experts about the rapidly emerging area of OMICS integration in lab diagnostics. The two days wholesome scientific sessions comprised eight symposia targeting the various important areas targeting newer biomarkers and research related to patient health. The conference observed participation of 150 delegates. To encourage research in youngsters two best oral presentations were awarded cash prize of Rs 1000 and Rs 500 and Six poster entries were given cash prize of Rs 500 each in the valedictory function.

**Name of Faculty: Dr. Praveen Sharma**  
**Designation: Professor and Head**

#### **Books/Chapters**

1. Molecular diagnostics in Cancer Patients Sharma P, Misra S, Shukla KK (Editors). 1<sup>st</sup> Edition, Springer Nature 2019, 1-341
2. Shukla K K, Sankanagoudar S, Sangneria B S, Pareek P, Vishnoi J R, Misra S, Sharma P. "Recent Advances in Molecular Diagnostic Approaches for Cancer". In: Molecular Diagnostics in Cancer Patient, Sharma P, Misra S, Shukla KK(Editors). 1<sup>st</sup>Edition, Springer Nature 2019;1-9
3. Dwivedi S, Misra R, Purohit P, Vishnoi J R, Pareek P, Goel A, Khattri S, Sharma P, Pant K K, Misra S. Molecular Diagnosis in Ovarian Carcinoma. In: Molecular Diagnostics in Cancer Patient, Sharma P, Misra S, Shukla KK (Editors). 1<sup>st</sup> Edition, Springer Nature 2019;323-341

#### **Papers Presented:**

1. Dwivedi S, Goel A, Khattri S, Mandhani A, Sharma P, Pant KK. Tobacco exposure by various modes modulate pro-(IL-12) and anti-(IL-10) gene expression and influence the median survival of prostate carcinoma patients. 11th International conference of Clinical Laboratory Automation (Cherry Blossom Symposium),19-21, April 2018, Morioka, Japan.
2. Purohit P, Sharma P, Dwivedi S, Nebhnani N. Pro and Anti-inflammatory miRNA balance in chronic opiate abusers based on duration of addiction", AACCC, 29<sup>th</sup> July– 2<sup>nd</sup> August 2018, Chicago, IL USA.
3. Sharma S, Mitra P, Sharma P. DMT1 polymorphism in lead exposed individuals of Jodhpur: A pilot study.45th ACBICON 2018, 24-27th Oct 2018, Kala Academy, Goa
4. Sharma S, Mitra P, Sharma P. Study of Metallothionein polymorphism (MT2A, rs 10636) in occupationally lead exposed industrial workers of Rajasthan, India. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
5. Kumar PVS N K, Mitra P, Ghosh R, Sai Kiran G, Sharma S, Sharma P. Association of Serum Zinc and Blood Lead Levels with Brain Derived Neurotrophic Factor in Schizophrenia in 45th ACBICON 2018, 24-27th Oct 2018, Kala Academy, Goa

6. Kumar PVSN K, Mitra P, Ghosh R, Sharma S, Sharma P. Blood Lead Levels in Occupationally Exposed Workers of Rajasthan, India. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
7. Kumar PVSN K, Mitra P, Sharma S Ghosh R, Nebhnani N, Sharma P. Association of Serum Brain derived Neurotrophic Factor Levels with Schizophrenia. LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
8. Ghosh R, Holmes D, Kumar PVSN K, Mitra P, Sharma S, Goyal M, Sharma P. Blood lead levels in preeclampsia: A pilot study. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
9. Ghosh R, Goyal T, Mitra P, Purohit P, Sharma S, Sharma P. Association of Renal Parameters with Various Etiologies of Chronic Liver Disease". LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
10. Mitra P, Sharma S, Sharma P. Association of SNAP-25(rs3746544) polymorphism with lead levels in occupationally Pb exposed individuals of Rajasthan, India, AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
11. Mitra P, Sharma S, Sharma P. Association of SNAP-25(rs3746544) and DMT1(rs224859) polymorphism with body lead burden in occupationally exposed individuals of Rajasthan. LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
12. Purohit P, Dwivedi S, Nebhinani N Sharma P. Effect of opiate abuse on miRNA 155 and 187 and inflammatory cytokines in chronic opiate dependent male addicts. 70th AACC ,29th July– 2nd August 2018, Chicago, IL USA.
13. Roy D, Modi A, Purohit P, Shukla R, Sharma P. A Pilot study of serum Growth Differentiation factor-15 in obese type 2 Diabetes Mellitus patients at a tertiary care centre. 45<sup>th</sup> ACBICON 2018, 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.
14. Shukla KK, Sharma P. Apoptotic gene expression of infertile males via male hormone pathway. 6th Seoul International Congress of Endocrinology and Metabolism (SICEM 2018), 19<sup>th</sup> -22<sup>th</sup> April, 2018. Seoul, South Korea

### Sessions Chaired:

1. "Awadesh Saran Memorial Oration". 45th National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.
2. 4th International Conference on Lead and Heavy Metal Toxicity. 4th – 5th October, 2018, North Bengal Medical College, Siliguri.

### Invited Lectures

1. "Awadesh Saran Memorial Oration". 45th National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.
2. "Financial aspects of laboratory medicine in India. Laboratory Medicine Congress & Exhibition (LMCE), Korean Society of Laboratory Medicine (KSLM) 31st October- 3rd November, 2018, Seoul, South Korea
3. "Do we need Ethics in Clinical Laboratory Practice". 54<sup>th</sup> Annual Convention of Philippine Association of Medical Technologist Inc. (PAMET), 2<sup>nd</sup>- 5<sup>th</sup> December, 2018 at Manila, Philippines

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

1. Immune profile as marker of immunotoxicity of lead in children of Jodhpur. (AIIMS Jodhpur Intramural ,2017-18, ongoing)
2. Assessment of oxidative, genotoxic and global epigenetic alterations in occupationally lead (Pb) exposed workers of Jodhpur. (AIIMS Jodhpur Intramural,2018-19, ongoing)

**➤ As Co-Investigator:**

1. Beta defensin expression in malignant head and neck tumors AIIMS Jodhpur Intramural ,2017-18, ongoing)
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. (AIIMS Jodhpur Intramural ,2017-18, ongoing)
3. Circulating Micro RNA-125b as A Diagnostic and Prognostic Biomarker in Epithelial Ovarian Cancer. AIIMS Jodhpur Intramural ,2017-18, ongoing)
4. A cross-sectional study analyzing role of GDF-15 in induction of stemness of Triple negative breast cancer (TNBC). AIIMS Jodhpur Intramural ,2017-18, ongoing)
5. Evaluating the Expression of Oncogenic and Tumor Suppressor miRNA and breast cancer stem cells in Breast Cancer Cell Lines (AIIMS Jodhpur Intramural ,2017-18, ongoing)

**❖ Completed:****➤ As Principal Investigator**

1. Correlation of blood lead levels with neurotransmitter receptors expressions and assessment of neurobehavioral changes 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. (AIIMS Jodhpur)

**➤ As Co-Investigator**

1. An observational study of urinary opiates and cardio-metabolic risk parameters in opioid dependent patients of Western Rajasthan. (AIIMS Jodhpur)
2. A pilot study of screening for Inborn errors of metabolism in sick neonates and children in Western Rajasthan. (AIIMS Jodhpur)
3. Role of Aspirin in reducing inflammatory mediators in Type 2 Diabetes Mellitus. (AIIMS Jodhpur)
4. To Establish the Reference Range of Urinary Protein Creatinine Ratio in Normal and Malnourished Indian Children of Different Age Groups. (AIIMS Jodhpur)
5. Serum levels of Interleukins-17 and 23 in Acute Cerebral Ischemic Injury. (AIIMS Jodhpur)
6. Study of vitamin D level and metabolic abnormalities in patients with depressive disorders. (AIIMS Jodhpur)
7. Exploration of microRNA as biomarker of muscle wasting in Hemodialysis Patients. (AIIMS Jodhpur)
8. A pilot study of pro-inflammatory and anti-inflammatory miRNAs (miR-155 & miR-187) expression in opioid dependent patients. (AIIMS Jodhpur)

9. Serial estimation of serum HMGB1 levels to determine Post Mortem Interval in human Cadavers. (AIIMS Jodhpur)
10. Evaluation of Auditory Brainstem Responses in Smokers. (AIIMS Jodhpur)
11. Transthyretin (TTR): Plausible Role in Depression in Subjects Undergoing Thyroid Profiling and found Euthyroid. (AIIMS Jodhpur)
12. Evaluating the dynamics of breast cancer stem cells and miRNA 155 in patients undergoing systemic neo adjuvant or palliative chemotherapy for breast cancer. (AIIMS Jodhpur)
13. Correlation between salivary and serum C-reactive protein among neonates with sepsis. (AIIMS Jodhpur)
14. Pilot study on Exploration microRNA-27 as biomarker of muscle wasting in Hemodialysis Patients. (AIIMS Jodhpur)
15. Study of Urinary protein creatinine ratio in normal and undernourished 2-4year-old children of western Rajasthan. (AIIMS Jodhpur)
16. Association of Single nucleotide polymorphisms in DNA Repair Gene (XRCCI) (Arg399Gln; rs25487) and SNAP25 (rs3746544) Patients with Schizophrenia in North Indian population. (AIIMS Jodhpur)
17. Correlation of miR155 and miR101 expression with c-fos in patients of Oral Sub Mucous Fibrosis and Oral Squamous cell carcinoma. (AIIMS Jodhpur)
18. Study of vitamin D level and cardio metabolic abnormalities in patients with schizophrenia and bipolar disorders. (AIIMS Jodhpur)
19. Immunohistochemically 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. (AIIMS Jodhpur)
20. Determination of Vitamin D reference level in Healthy Population in Urban Rajasthan. (AIIMS Jodhpur)
21. Determination of Vitamin D reference level in Healthy Population in Rural Rajasthan (AIIMS Jodhpur)
22. Role of perforin on metabolic inflammation: A comparison of type 2 DM and healthy control. (AIIMS Jodhpur)
23. Expression and correlation of micro RNA with NGAL in patients of type 2 Diabetes Mellitus. (AIIMS Jodhpur)
24. Association of DMT1 and Metallothionein 2A polymorphism with lead related hypertension and cardiovascular autonomic dysfunction in lead exposed workers. (AIIMS Jodhpur)
25. Role of VEGF and P1GF in prediction of preeclampsia. (AIIMS Jodhpur)
26. Pilot study on DMT1 & Metallothionein 2A polymorphism in lead exposed workers, (AIIMS Jodhpur)

### Examinership

1. 1<sup>st</sup> Professional MBBS Supplementary Examination at AIIMS, Patna. 26<sup>th</sup> September, 2018.
2. M.Sc (Biochemistry) and M.Sc Medical Tech. (Biochemistry) examinations. PGIMER, Chandigarh. 7<sup>th</sup> and 8<sup>th</sup> May, 2018.
3. MD (Biochemistry), practical examinations at Era's Lucknow Medical College & Hospital, Lucknow. 31<sup>st</sup> August and 1<sup>st</sup> September 2018.
4. M.Sc. Biochemistry examination at AIIMS, Delhi. 10<sup>th</sup> and 11<sup>th</sup> December, 2018.

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

#### **Activities at association level:**

1. Joint Director, Indian Board of Clinical Biochemistry.
2. Chief Editor, APFCB (Asia Pacific Federation of Clinical Biochemistry) News.
3. Chairman, APFCB Communication Committee.
4. Editor - in - Chief, Indian Journal of Clinical Biochemistry.
5. Chairman, ACBI Corporate wing.
6. Member ACBI Congress Committee
7. Member, IFCC – CCLM (2017 – 2019)

### **Institutional Administrative duties:**

1. Dean (Research)
2. Controller of Examinations, AIIMS, Jodhpur
3. Member Secretary, Institutional Ethics Committee
4. Member of Institutional tender and purchase committee
5. Chairman, IPD technical committee
6. Chairman, IPD purchase committee
7. Member, Anti ragging committee

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

1. 11th International conference of Clinical Laboratory Automation (Cherry Blossom Symposium), Morioka, Japan, 19<sup>th</sup>-21<sup>st</sup>, April 2018.
2. AACC, Chicago, IL USA, 29<sup>th</sup> July– 2<sup>nd</sup> August 2018
3. Laboratory Medicine Congress & Exhibition (LMCE), Korean Society of Laboratory Medicine (KSLM), Seoul, South Korea, 31<sup>st</sup> October- 3<sup>rd</sup> November, 2018,
4. 4th International Conference on Lead and Heavy Metal Toxicity. North Bengal Medical College, Siliguri ,4<sup>th</sup> – 5<sup>th</sup> October, 2018
5. 45th National Conference of Association of Clinical Biochemists of India (ACBICON 2018), Kala Academy, Goa ,24<sup>th</sup> – 27<sup>th</sup> October, 2018,
6. IFCC General Conference meeting, Budapest, Hungary, 9<sup>th</sup> – 11<sup>th</sup> November, 2018,
7. 54th Annual Convention of Philippine Association of Medical Technologist Inc. (PAMET), Manila, Philippines ,2<sup>nd</sup>- 5<sup>th</sup> December, 2018
8. Paradigm shift in Lab Medicine: Integrating omics in diagnostics, North Zone Chapter of Association of Clinical Biochemists of India, AIIMS, Jodhpur, 7-8 April, 2018

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

**Designation: Additional Professor**

### **Symposium Speaker**

1. Your DNA is not your destiny. CME on “Molecular Diagnostics in the era of predictive preventive and personalized medicine. 14<sup>th</sup> Feb 2019. Kolkata.

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

1. "Pharmacogenomic, biochemical, epigenetic and population pharmacokinetic study in tuberculosis patients-a multicentric study." A multicentric project in collaboration with Manipal University and National Institute of Research in Tuberculosis, Chennai. The project has been approved by RNTCP national body and is under consideration by ICMR communicable diseases.

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

1. Member of American Association of Clinical Chemistry 2019-2020.

**Name of Faculty: Dr. Purvi Purohit**

**Designation: Associate Professor**

**Books/Chapters**

1. Dwivedi S, Misra R, Purohit P, Vishnoi J R, Pareek P, Goel A, Khattri S, Sharma P, Pant K K, Misra S. Molecular Diagnosis in Ovarian Carcinoma. In: Molecular Diagnostics in Cancer Patient, Sharma P, Misra S, Shukla KK (Editors). 1st Edition, Springer Nature 2019;323-341

**Papers Presented:**

1. Purohit P, Dwivedi S, Nebhinani N Sharma P. Effect of opiate abuse on miRNA 155 and 187 and inflammatory cytokines in chronic opiate dependent male addicts. 70th AACC ,29th July– 2nd August 2018, Chicago, IL USA.
2. Purohit P, Sharma P, Dwivedi S, Nebhinani N. Pro and Anti-inflammatory miRNA balance in chronic opiate abusers based on duration of addiction 70<sup>th</sup> AACC, 29th July– 2nd August 2018, Chicago, IL USA.
3. Roy D, Modi A, Purohit P, Shukla R, Sharma P. A Pilot study of serum Growth Differentiation factor-15 in obese type 2 Diabetes Mellitus patients at a tertiary care centre. 45<sup>th</sup> ACBICON 2018, 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.
4. Sharma M, Purohit P, Goyal M, Modi A, Mufeeth M. A pilot study of autoimmune thyroiditis and pre-diabetes in poly cystic ovarian syndrome. 45<sup>th</sup> ACBICON 2018, 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.
5. Ghosh R, Goyal T, Mitra P, Purohit P, Sharma S, Sharma P. Association of Renal Parameters with Various Etiologies of Chronic Liver Disease". LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
6. Setia P, Shedje R, Modi A, Purohit P. Role of HMGB1 in prediction of time since death. 71st American Association of Forensic Science Meeting, Feb 2019, Maryland, Baltimore

**Sessions Chaired:**

1. Chair Session, North Zone ACBICON 7-8 April 2018, AIIMS Jodhpur.
2. Micro RNA in Non-communicable diseases, 45<sup>th</sup> ACBICON 2018, 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa.

**Invited Lectures**

1. Micro RNA in Non-communicable diseases, 45<sup>th</sup> ACBICON 2018, 24<sup>th</sup>- 27<sup>th</sup> October, 2018, Kala Academy, Goa
2. GDF-15: An emerging biomarker of cancer. 38<sup>th</sup> IACR 2019, PGIMER Chandigarh, 1 -3 march 2019.

**Symposium Speaker**

1. miRNA - novel biomarkers in Diabetes Mellitus, at 45<sup>th</sup> ACBICON, 24<sup>th</sup> to 27<sup>th</sup> October 2018, Goa

**Research Project:****❖ 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 2018-19)
2. A case control study of circulating GDF-15, miRNAs (21, 181b) and PBMs Smad7 in obese pre-diabetics & type 2 diabetics. (AIIMS Jodhpur, Intramural ongoing 2017-18)

**➤ As Co-Investigator**

1. Evaluating the Expression of Oncogenic and Tumour Suppressor miRNA and Breast Cancer Stem Cells in Breast Cancer Cell Lines. AIIMS Jodhpur Intramural 2018-19
2. Beta defensin expression in malignant head and neck tumors. (AIIMS Jodhpur, Intramural 2018-19)
3. 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 neo adjuvant or palliative chemotherapy for breast cancer. (AIIMS Jodhpur, Intramural 2018-19)
4. 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. (AIIMS Jodhpur, Intramural ongoing ,2017-18)
5. Characterization of organ specific microRNA expression in human tissues: A pilot study. (AIIMS Jodhpur, Intramural ongoing 2017-18)
6. 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 sub mucous fibrosis and Oral squamous cell carcinoma. (AIIMS Jodhpur, Intramural 2017-18)
7. Evaluate the expression of cfos and correlate with miRNA 101 and 155 in oral premalignant and malignant lesions. (AIIMS Jodhpur, Intramural ongoing, 2016-17)



❖ **Completed:**

➤ **As Principal Investigator**

1. A pilot study of pro-inflammatory and anti-inflammatory miRNAs (miR-155 & miR-187) expression in opioid dependent patients. (AIIMS Jodhpur, Intramural Project 2015-16)

➤ **As Co-Investigator**

1. Serial estimation of serum HMGB1 levels to determine Post Mortem Interval in human Cadavers. (AIIMS Jodhpur, Intramural Project 2015-16)
2. 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)

**Scientific Awards/Patents**

1. ICMR Travel grant for AACC 2018, Chicago (USA).

**Examinership**

1. JLN Medical College Ajmer, MBBS 1<sup>st</sup> Supplementary EXAMINATION, 20<sup>th</sup> Oct, 2017-18

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

1. Editorial Board, Reactive Oxygen Species Journal.
2. Assistant Editor, APFCB News

**National/ International Conferences attended:**

1. 45<sup>TH</sup> ACBICON, GOA, ACBI, GOA, 24-27 October ,2018
2. AACC CHICAGO, AACC, 28-31 July 2018
3. Paradigm shift in Lab Medicine: Integrating omics in diagnostics, North Zone Chapter of Association of Clinical Biochemists of India, AIIMS, Jodhpur, April 7-8, 2018

**Name of Faculty: Dr. Dharmveer Yadav**

**Designation: Associate Professor**

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

1. North Zone Executive of ACBI
2. Associate Editor of Indian Journal of Clinical Biochemistry

**Examinership**

1. Paramedical Practical Examination, Institute of Medical and Nursing Technology (IM&NT), Jaipur on 15<sup>th</sup> – 16<sup>th</sup>, November, 2018.
2. MD Biochemistry practical and viva voce examination at JLN Medical, Ajmer on 4<sup>th</sup> December, 2018

**Name of Faculty: Dr. Indu Saxena**

**Designation: Assistant Professor**

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Correlation of Interleukins (IL-10, IL-18), MicroRNA Species (miR 198 and miR 24), and Transcription Factor Pdx-1 in Type 2 Diabetes Mellitus. (AIIMS Jodhpur Intramural, 2017-18, ongoing)

**National/ International Conferences attended:**

1. North Zone ACBICON 2018. Paradigm shift in Lab Medicine: Integrating omics in diagnostics AIIMS, Jodhpur, April 7-8, 2018

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

**Designation: Assistant Professor**

**Papers Presented:**

1. Sharma S, Mitra P, Sharma P. DMT1 polymorphism in lead exposed individuals of Jodhpur: A pilot study. 45th ACBICON 2018, 24-27th Oct 2018, Kala Academy, Goa
2. Sharma S, Mitra P, Sharma P. Study of Metallothionein polymorphism (MT2A, rs 10636) in occupationally lead exposed industrial workers of Rajasthan, India. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
3. Kumar PVS N K, Mitra P, Ghosh R, Sai Kiran G, Sharma S, Sharma P. Association of Serum Zinc and Blood Lead Levels with Brain Derived Neurotrophic Factor in Schizophrenia in 45th ACBICON 2018, 24-27th Oct 2018, Kala Academy, Goa
4. Kumar PVS N K, Mitra P, Ghosh R, Sharma S, Sharma P. Blood Lead Levels In Occupationally Exposed Workers of Rajasthan, India. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
5. Kumar PVS N K, Mitra P, Sharma S Ghosh R, Nebhnani N, Sharma P. Association of Serum Brain derived Neurotrophic Factor Levels with Schizophrenia. LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
6. Ghosh R, Holmes D, Kumar PVS N K, Mitra P, Sharma S, Goyal M, Sharma P. Blood lead levels in preeclampsia: A pilot study. AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
7. Ghosh R, Goyal T, Mitra P, Purohit P, Sharma S, Sharma P. Association of Renal Parameters with Various Etiologies of Chronic Liver Disease". LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea
8. Mitra P, Sharma S, Sharma P. Association of SNAP-25(rs3746544) polymorphism with lead levels in occupationally Pb exposed individuals of Rajasthan, India, AACB AIMS 2018 Scientific meeting, 3-5 September 2018, ICC, Sydney
9. Mitra P, Sharma S, Sharma P. Association of SNAP-25(rs3746544) and DMT1(rs224859) polymorphism with body lead burden in occupationally exposed individuals of Rajasthan. LMCE 2018, 1-3 Nov, 2018, Seoul, South Korea

**Sessions Chaired:**

1. Beyond Metals, LEADCon 2018, 4th International Conference on Lead and Heavy Metal Toxicity. 4th – 5th October, 2018, North Bengal Medical College, Siliguri

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

1. Pilot Study: miRNA 222, 210, 146a expression in occupationally heavy metal (Pb & Cd) exposed workers (AIIMS Jodhpur, Intramural ongoing. 2017-18)

**➤ As Co-Investigator**

1. Maternal serum Netrin-1 and Procalcitonin and their association with preeclampsia. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
2. Characterization of organ specific miRNA expression in human tissues; A pilot study. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
3. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: a cross sectional observational study. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
4. Evaluation of cutaneous hyperandrogenism with anti mullerian hormones and polycystic ovarian morphology in females. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
5. Metal analysis in oral carcinoma and oral submucosal fibrosis patients. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
6. 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. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
7. Cardio metabolic, inflammatory and cognitive effects of chronic cannabis use in urban and rural population of Rajasthan: A retrospective cohort study. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
8. Immune profile as marker of immunotoxicity of lead in pediatric patients of western India (AIIMS Jodhpur, Intramural ongoing. 2017-18)
9. Assessment of oxidative, genotoxic and global epigenetic alterations in occupationally lead (Pb) exposed workers of Jodhpur (AIIMS Jodhpur, Intramural ongoing. 2018-19)

**❖ Completed:****➤ As Principal Investigator**

1. Pilot study on DMT1 & Metallothionein 2A polymorphism in lead exposed workers, (AIIMS Jodhpur, Intramural Project 2016-17)

**➤ As Co-Investigator**

1. Utility of VEGF and PLGF in prediction of preeclampsia. (AIIMS Jodhpur, Intramural Project 2016-17)

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

1. Regional Representative Association of clinical Biochemists India (ACBI)
2. Member American Association of Clinical Chemistry Member (Feb 2019- Feb 2020)

**National / International Conferences attended:**

1. 4th International Conference on Lead and Heavy Metal Toxicity organized by INSLAR & NRCLPI, North Bengal Medical College & Hospital, Siliguri, 4-5th Oct 2018
2. 45th ACBICON 2018, organized by Association of Clinical Biochemists India, Goa, 24-27th Oct 2018
3. Paradigm shift in Lab Medicine: Integrating omics in diagnostics, North Zone Chapter of Association of Clinical Biochemists of India, AIIMS, Jodhpur, April 7-8, 2018
4. AACB &AIMS 2018 Scientific meeting organized by Australasian Association of Clinical Biochemists, Sydney, 3-5 September 2018

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

**Designation: Assistant Professor**

**Books/Chapters**

1. Shukla K K, Sankanagoudar S, Sangneria B S, Pareek P, Vishnoi J R, Misra S, Sharma P. Recent Advances in Molecular Diagnostic Approaches for Cancer. In: Molecular Diagnostics in Cancer Patient, Sharma P, Misra S, Shukla KK (Editors). 1<sup>st</sup> Edition, Springer Nature 2019;1-9

**Papers Presented:**

1. Sankanagoudar S, Bidi S, Sharma P. Comparative analysis of urinary amino acids in Diabetic and Non-Diabetic individuals: A cross sectional study at a tertiary care centre. North Zone Chapter of Association of Clinical Biochemists of India, April 7-8, 2018, AIIMS, Jodhpur
2. Sankanagoudar S, Bidi S, Sharma P. Study of urinary amino acid pattern: A newer non-invasive approach for type 2 diabetes. International Congress of Diabetes and Metabolism, October 11-13, 2018, Seoul, Korea.
3. Sankanagoudar S, Bidi S, Sharma P. Assessment of urinary amino acid levels and their excretory pattern in individuals of type 2 diabetes mellitus: A newer index of hyperglycemia and insulin resistance. 45<sup>th</sup> National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24<sup>th</sup> – 27<sup>th</sup> October, 2018, Goa (India)

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

1. Assessment of plasma and urinary amino acids among patients of type 2 diabetes mellitus, (AIIMS Jodhpur, Intramural ongoing. 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-funding, AIIMS, Jodhpur.

### **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. (AIIMS Jodhpur, Intramural ongoing. 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. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
3. Screening of Non Communicable Diseases Risk among Tuberculosis patients of Jodhpur-An Explorative Pilot Study. (AIIMS Jodhpur, Intramural ongoing. 2017-18).

### **Scientific Awards/Patents**

1. Travel Grant Award 2018 International Congress of Diabetes and Metabolism, October 11-13, 2018, Seoul, Korea
2. P. S. MURTHY - UCMS Award for best paper at 45<sup>th</sup> National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24<sup>th</sup> – 27<sup>th</sup> October, 2018, Goa, India
3. The Most Inquisitive Person Award – 3<sup>rd</sup> National workshop on Advanced Bioanalytical techniques at Dr R. P. Centre, AIIMS, New Delhi, 17th to 19th December, 2018.

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

1. Awarded as a Member (MNAMS) of the National Academy of Medical Sciences (India), New Delhi in the year 2018.

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

1. International Congress of Diabetes and Metabolism, Seoul, Korea October 11-13, 2018.
2. 45<sup>th</sup> National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24<sup>th</sup>– 27<sup>th</sup> October, 2018, Goa (India).
3. North Zone ACBICON. Paradigm shift in Lab Medicine: Integrating omics in diagnostics, AIIMS, Jodhpur, April 7-8, 2018

## Department of Burns and Plastic Surgery

S.No.	Name	Designation
1	Dr. Ranjit Kumar Sahu	Associate Professor
2	Dr. Prakash Chandra Kala	Associate Professor
3	Dr. Pawan Kumar Dixit	Assistant Professor (Trauma & Emergency)

### About the Department

Burns and Plastic Surgery department is expanding rapidly since its inception. Department was started in June 2017. In this short period, department has garnered trust of patients which is reflected by increased number of patients, in inpatient and outpatient department as well. Probably all types of surgical procedures are being done including micro surgical reconstructions.

MCh course started in the department in 2018 with two post graduate students per year. Currently department has three faculties (one in trauma), two MCh residents, one senior resident and three junior residents.

Department is involved in research. Two thesis projects are being carried out by the MCh students. Department is also involved in taking under graduate and post graduate students classes. Post graduate teaching involves regular seminars, journal clubs and grand rounds.

Faculties regularly attend various international and national, CME and workshops to keep them updated.

### Compiled list of Publications of the department:

#### Non-Pubmed Indexed:

1. Kala PC, Sahu RK, Choudhary RK, Puranik A. Recalcitrant desmoids tumor of the abdominal wall: A reconstructive dilemma. Turk J Plast Surg 2019;27:36-08.
2. Kala PC, Sahu RK, Bishnoi JR, & Puranik A. A Case of Giant Squamous Cell Carcinoma Buttock Arising from Hidradenitis Suppurativa: an Unusual Presentation. Indian Journal of Surgery Indian J Surg (2019).

**Name of Faculty: Dr. Ranjit Kumar Sahu**

**Designation: Associate Professor**

#### Papers Presented:

1. Sahu RK. Post Burn Contracture of Neck. NABICON- 2019 27<sup>th</sup> Annual conference National Burns of India, 1<sup>st</sup> to 3<sup>rd</sup> March 2019, Allahabad(Prayagraj)

#### Sessions Chaired:

1. Session 2, NABICON 2019, 1<sup>st</sup> to 3<sup>rd</sup> March 2019, Sangam tent Colony , Allahabad (Prayagraj)

**National/ International Conferences attended:**

1. APSICON 2018. Association of Plastic Surgeons of India, Lucknow, 21<sup>st</sup> to 25<sup>th</sup> November 2018
2. JOINT LEADERSHIP CONCLAVE 2018, AIIMS and IIT Jodhpur , AIIMS Jodhpur, 3<sup>rd</sup> & 4<sup>th</sup> December 2018
3. NABICON 2019, National Academy of Burns India, Allahabad, 1<sup>st</sup> to 4<sup>th</sup> March 2019

**Name of Faculty: Dr. Prakash Chandra Kala**

**Designation: Associate Professor**

**Papers Presented**

1. Kala PC. Management of Burn. First International Conference of Critical Care of Nursing, 26<sup>th</sup> to 28<sup>th</sup> November 2018, Silvassa, Dadra and Nagar Haveli

**Resource Faculty**

1. "Right Time; Right Decision; Right Intervention in Critical Care – Leads to Better Outcome". First International Conference of Critical Care of Nursing, Silvassa, Dadra and Nagar Havelii, 26<sup>th</sup> to 28<sup>th</sup> November 2018,

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

1. Life member, Association of Plastic Surgeons of India
2. Life member of Breast Reconstructive and Aesthetic Surgeons Association.

**National/ International Conferences attended**

1. Operative Workshop on Body Contouring 2018. Right Hospital, Chennai, 23<sup>rd</sup> to 27<sup>th</sup> August 2018
2. First International Conference of Critical Care of Nursing. Shri Vinoba Bhave College Of Nursing, Silvassa, Dadra and Nagar Havelii, 26<sup>th</sup> to 28<sup>th</sup> November 2018
3. APSICON-2018. Association of Plastic Surgeons of India, Lucknow, 19<sup>th</sup> to 25<sup>th</sup> November 2018
4. BRASCON 2019. of Breast Reconstruction and Aesthetic Surgery Association a, Amrita Hospital, Kochi, 14<sup>th</sup> to 17<sup>th</sup> February 2019.

## Department of Cardiology

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

### About The Department

**Clinical:** The Department of Cardiology was established on 13-05-2016. Since then it runs the OPD and IPD services. The OPD services are on Tuesday, Wednesday and Friday where ~150 patients are consulted. Noninvasive cardiac services like ECG, Echocardiography, TMT, Holter monitoring, ABPM is present in the department OPD complex. The Department is also running specialty clinic like Pediatric Cardiology clinic and Heart failure clinic on Thursday. Invasive procedures are also increased with gradually switching to complex cardiac interventions.

**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 started its DM training program with one candidate pursuing the course. Keeping its social responsibility, the Department has successfully conducted public lecture on the eve of World Heart Day 2018 which was attended by ~900-1000 delegates from Jodhpur and its periphery.

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

**Administrative:** Various tenders for equipments of Noninvasive and Invasive Lab are under process and are expected to be procured in 2019-20. Biplane Cath lab is under process of installation and expected to be functional in 2019-20

### Publications:

#### Pubmed Indexed:

1. Deora S. Transradial approach – Female population and radiation exposure an important aspect. *Cardiovasc Revasc Med.* 2018 Jul 22. pii: S1553-8389(18)30312-9
2. Choudhary R, Deora S. Single coronary artery with super-dominant left circumflex artery –a very rare coronary anomaly. (Hear Views 2018 accepted)

#### Non-Pubmed Indexed:

1. Deora S, Garg PK. A Case of Infective Pulmonary Endarteritis in a Young Male. *Journal of Clinical and Diagnostic Research* 2018; 12: OJ 01-02
2. Choudhary R, Sharma SM, Predicting the culprit artery in acute inferior wall STEMI using ST segment elevation in leads V7-9 and accessing the significance of previously published criteria, *Journal of Indian College of Cardiology j. jicc.2018.05.001*
3. Gautam D, Maheshwari D, Choudhary R, Mahavar S. Echocardiographic assessment of right ventricular function in inferior wall myocardial infarction and angiographic correlation to proximal right coronary artery stenosis. *Indian Journal of Research* 2018;07: 436-439.



**Name of Faculty: Dr. Surender Deora**

**Designation: Associate Professor**

**Books/Chapters:**

1. Deora S, Goswami KC. Smokeless Tobacco and Cardiovascular Disease. Cardiology Update 2018, Cardiological Society of India.
2. Deora S, Goswami KC. Acute Coronary Syndrome in Elderly. Cardiology Update 2018, Cardiological Society of India.
3. Deora S, Goswami KC. Tilt Table Testing in Syncope. Cardiology Update 2018, Cardiological Society of India.
4. Deora S, Goswami KC. Deep Vein Thrombosis: Controversies and Consensus. Cardiology Update 2018, Cardiological Society of India.
5. Patel T, Deora S, Shah S. Should all Percutaneous Coronary Interventions be Radial Only? Cardiology Update 2018, Cardiological Society of India

**Papers Presented:**

1. Bhagat OL, Singhal A, Saini S, Deora S, Sircar S. Effect of Valsalva Maneuver on ventricular repolarization. Europhysiology 2018, 14 - 16 September 2018, QEII Centre, London, UK

**Sessions Chaired:**

1. Rajasthan Conclave-6: Foods High in Fat, Salt & Sugar (HFSS), October 20-22, 2018, DMRC, Jodhpur
2. TRICO 2018 (TransRadial Interventional Course) 1st – 2nd Feb 2018, Ahmedabad

**Invited Lectures**

1. Hypertension guidelines: reading between the lines. Cardiac Summit: 17th – 18th November 2018, Udaipur
2. Deep Vein Thrombosis: When to Thrombolyse: 70th Annual Conference of Cardiological Society of India, CSICON – 2018, 22- 25th November 2018, Mumbai

**Research Project:**

➤ **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 Principal Investigator:**

1. Evaluation of Electrocardiographic Parameters and Serum Biomarkers in patients with Hypertrophic Cardiomyopathy, Intramural.

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

1. Assistant Editor, Indian Heart Journal

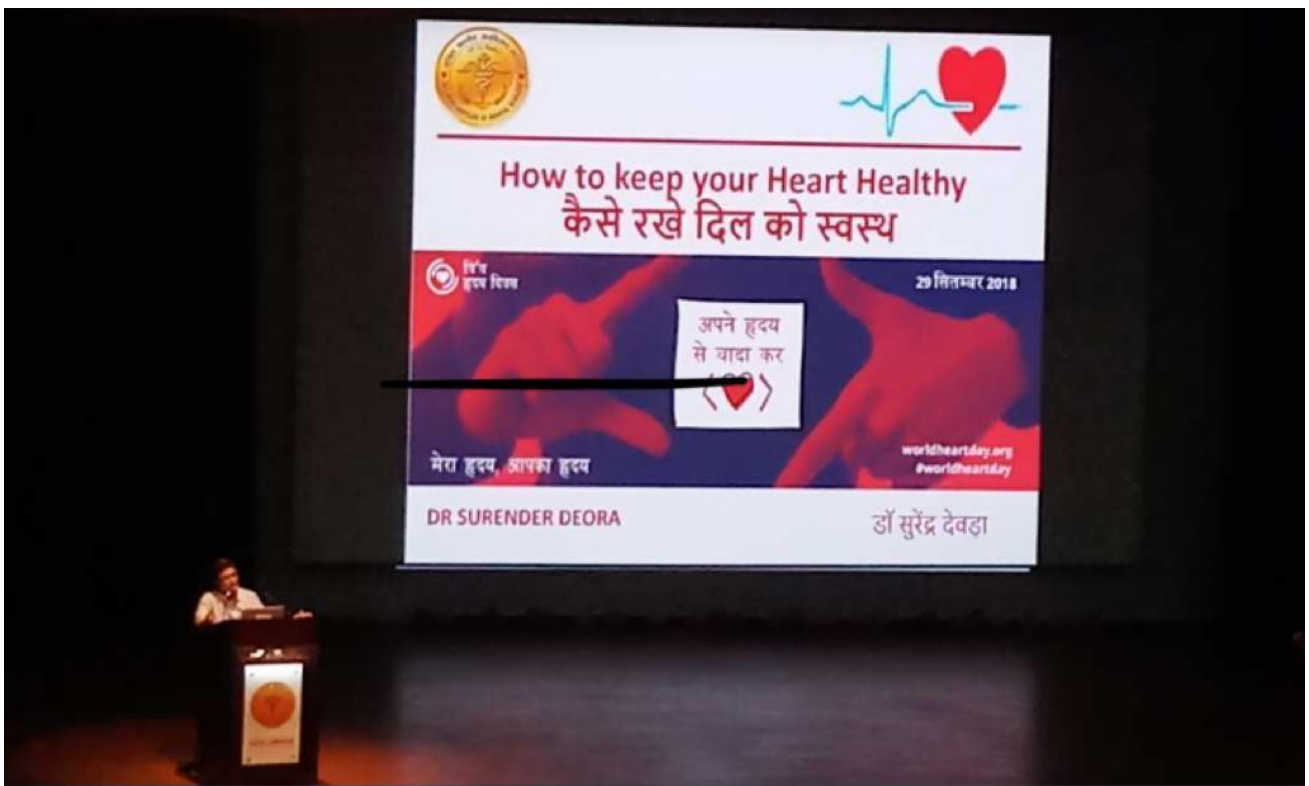
**National/ International Conferences attended:**

1. TRICO 2019, Ahmedabad

**Name of Faculty: Dr Atul Kaushik**

**Designation: Assistant Professor**

**Photographs celebrating World Heart Day 2018**



Lecture during World Heart day



Award distribution during World Heart Day celebrations



Rangoli prepared by students during World Heart Day

## Department of Cardio - Thoracic and Vascular Surgery

S.No.	Name	Designation
1	Dr. Alok Kumar Sharma	Assistant Professor
2	Dr. Surendra Patel	Assistant Professor (Trauma & Emergency)

### About the Department

Along with the leaps and bound growth of AIIMS, Jodhpur the Department of Cardio-Vascular and Thoracic Surgery has making steady growth in areas of teaching, research and patient care. We have catered OPD services to 942 out of which 570 were new patients. and operated 54 patients in which 23 cases were of Open Heart Surgeries in 2018-19. The department has started participating in Vascular Clinic along with the Department of Radiology and Department of General Surgery with facility of doppler study, which is helping a large subset of vascular diseases patients in Diagnosis and Therapeutic options. After procurement of Head mounted Lights the department is also able to operate cases of Coronary Artery disease by doing Coronary artery Bypass Surgery. Now department is doing All Adult Cardiac surgeries like CABG, Valve repair and replacement surgeries, Vascular surgeries like Aorto-bifemoral bypass, Femoro-femoral Bypass, embolectomies. Department also provide assistance to other surgical departments for dissection around major vessels or vascular injuries. Department has presently 3 IPD beds, 1 Adult ICU Bed and One Operation Day.

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 department.

Department has completed all administrative formalities to start M.Ch. degree program for CVTS and B.Sc. (Perfusion Technology). These courses will start in next Academic session.

Organised Public awareness Lecture and panel discussion on “How to keep your heart healthy” on occasion of world Heart Day, 28<sup>th</sup> September, 2018.

The faculty of department is also actively involved in academic activities. This year department faculty has presented 1 research poster in international conference, chaired 1 sessions in International conference.

**Name of Faculty: Dr. Alok Kumar Sharma**

**Designation: Assistant Professor**

### Papers Presented:

1. Puneeth Babu Anne, Bajpayee Archana, Sharma Alok, Mandal Saptarshi, Khan Atik; Comprehensive approach for ensuring blood safety in AIIMS Jodhpur; ISBT International Conference on Blood safety, 29<sup>th</sup>-30<sup>th</sup> November, 2018, PGIMER, Chandigarh

### Sessions Chaired:

1. Valve Repair, 27<sup>th</sup> ASCVTS and 65<sup>th</sup> IACTS conference; 21<sup>st</sup> -24<sup>th</sup> February 2019, ITC Grand Chola Hotel, Chennai

**Resource Faculty:**

1. 14<sup>th</sup> PESICON 2019, Pediatric Endoscopic Surgeons of India Conference: 14<sup>th</sup> -17<sup>th</sup> February, 2019, AIIMS, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Evaluation of Electrocardiographic Parameters and Serum Biomarkers in patients with Hypertrophic Cardiomyopathy, Intramural

**Scientific Awards/Patents**

1. Gold Medal in Poster presentation, Comprehensive approach for ensuring blood safety in AIIMS Jodhpur, ISBT International Conference on Blood safety, 29<sup>th</sup>-30<sup>th</sup> November, 2018, PGIMER Chandigarh

**National/ International Conferences attended:**

1. 27th ASCVTS and 65th IACTS conference was held from 21st to 24th February 2019 in ITC Grand Chola Hotel, Chennai.
2. Basic Biostatistics, 21<sup>st</sup> -23<sup>rd</sup> September 2018; SGPGI, Lucknow
3. 14<sup>th</sup> PESICON 2019, Pediatric Endoscopic Surgeons of India Conference: 14<sup>th</sup> -17<sup>th</sup> February, 2019, AIIMS, Jodhpur, AIIMS, Jodhpur

**Eminent Visitors**

1. Prof. Balram Airan
2. Prof. Shantanu Pandey
3. Prof. RM Mathur
4. Prof. SK Agrawal

## Department of Community Medicine & Family Medicine

S. No.	Name	Designation
1.	Dr. Pankaja Ravi Raghav	Professor & Head
2.	Dr. Pankaj Bhardwaj	Additional Professor
3.	Dr. Neeti Rustagi	Associate Professor
4.	Dr. Manoj Kumar Gupta	Assistant Professor
5.	Dr. Naveen K.H	Assistant Professor
6.	Dr. Prem Prakash Sharma	Assistant Professor
7.	Dr. Akhil Dhanesh Goel	Assistant Professor
8.	Dr. Prasanna Thirunavukkarasu	Assistant Professor

**Patient Care :** Regular OPD services is provided to approximately four hundred patients per day in rural and urban Jodhpur through:

- (i) Urban Health Training Centre, Pratapnagar
- (ii) Centre for Rural Health AIIMS (CRHA), Dhawa,
- (iii) Centre for Rural Health AIIMS (CRHA), Keru
- (iv) Centre for Rural Health AIIMS (CRHA), Dhundhara.

The department provides regular Immunization services, breastfeeding, complementary feeding & counseling to mothers of under-2 Children.

**Research :** The researchers in the institute are guided for appropriate Sample Size, Sampling methodology and Statistical Analysis for their studies. The department is involved in various research projects in the field of public health.

**Teaching and Training :** The training for various clinical skills is provided to undergraduates at health centers under the supervision of faculty members. The postgraduate students are trained for clinical skills, developing teaching skills, leadership, conducting research and administrative skills through various PG activities. 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 of MSc-Nursing. It provides support for teaching whole course of Biostatistics to Postgraduate MD (Ayurved) students and UG students of BAMS in Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur. The department also provides support for teaching Postgraduate MPH students.

- ANM workers were trained about Partograph and APGAR scoring at Dhundhara on 04/09/2018; Training for healthcare workers on “BMW management” at Dhundhara on 27/10/2018 and Training for Diagnosis of Pneumoconiosis from 19-20 November 2018.

**Health Education:** For creating public awareness, the department emphasis the activities related to health education in the form of Lectures, street play, Quiz, etc. The department had organized various activities in the rural and urban centres near to Jodhpur as under.

- Poster and slogan competitions were organized in different schools under peripheral health centres for Swachata Pakwada from 1-7 April 2018.
- Quiz competition for MBBS students was organized to celebrate World Health Day on 07/04/2018 with a theme “Health for all”. Prizes were distributed to the winners.
- Health talks were delivered on
  - i. “Dietary and Life style modifications” related to diabetes management on 12/04/2018 in Pratapnagar ;
  - ii. “Importance of breast feeding” to celebrate Breast feeding week on 02/08/2018 at Dhundhara and on 09/08/2018 at Pratapnagar.

### Screening Activities :

- Screening activities were organized for various risk groups e.g. Comprehensive lifestyle counselling and physical examination camp was organised for Diabetic and Hypertensive patients on 29/06/2018 in Dhundhara, and for industrial workers at Basni , Jodhpur on 11/01/2019.
- “Silicosis Health Camp” was organized in collaboration of MLPC(NGO) on 09/07/2018 and 19/11/2018 for mines workers.
- A screening camp for “Non communicable disease” was organised on 07/08/2018 at Dhundhara,
- OPD based campaign was carried out for “Test and Treat Anaemia ” on various health centres and schools,
- “Diagnosis, Treatment and Counselling Camp for Mental Health” was organised in collaboration with Department of Psychiatry on 12/10/2018 in Pratapnagar.

### Publications:

#### PubMed Indexed

1. 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.
2. Dandabathula G, Bhardwaj P, Burra M, Rao PV, Rao SS. Impact assessment of India's Swachh Bharat Mission – Clean India Campaign on acute diarrheal disease outbreaks: Yes, there is a positive change. *J Family Med Prim Care* 2019;8:1202-8.
3. Rustagi N, Singh S, Dutt N, Kuwal A, Chaudhry K, Shekhar S, Kirubakaran R. Efficacy and Safety of Stent, Valves, Vapour ablation, Coils and Sealant Therapies in Advanced Emphysema: A Meta-Analysis. *Turk Thorac J.* 2019 Jan 1;20(1):43-60. doi: 10.5152/TurkThoracJ.2018.18062. PubMed PMID: 30664426.
4. Rustagi, N., Pareek, P., Verma, M., & Sharma, P. K. Essential Yet Neglected Role of Primary Care Physicians in Palliation Team. *Journal of The Association of Physicians of India*, (2019) Mar; 67(3):81-83.

5. 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. *Journal of Family Medicine & Primary Care* 2019;8(3):875–880.
6. 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 Jun;18(2):260-265.
7. Sarin R, Vohra V, Khalid UK, Sharma PP, Chadha V, Sharada MA. Prevalence of pulmonary tuberculosis among adults in selected slums of Delhi city. *Indian J Tuberc.* 2018 Apr;65(2):130-134.
8. 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.
9. Yadav K, Goel AD, Yadav V, Upadhyay RP, Palepu S, Pandav CS. Meta-analysis of efficacy of iron and iodine fortified salt in improving iron nutrition status. *Indian J Public Health.* 2019;63(1):58-64.
10. Rathod MS, Dixit JV, Goel AD, Yadav V. Prevalence of Depression in an Urban Geriatric Population in Marathwada Region of Western India. *Indian J Psychol Med.* 2019;41(1):32-37.
11. Kant S, Kaur R, Goel AD, Malhotra S, Haldar P, Kumar R. Anemia at the time of delivery and its association with pregnancy outcomes: A study from a secondary care hospital in Haryana, India. *Indian J Public Health.* 2018;62(4):315-318
12. Saigal R, Bhakal SS, Goyal L, Goel AD. Seroprevalence of Anti-Citrullinated Protein Antibodies (ACPA) in Patients with Rheumatic Diseases other than Rheumatoid Arthritis. *J Assoc Physicians India.* 2018 Apr;66(4):26-8.
13. Pandav CS, Yadav K, Salve HR, Kumar R, Goel AD, Chakrabarty A. High national and sub-national coverage of iodised salt in India: evidence from the first National Iodine and Salt Intake Survey (NISI) 2014-2015. *Public Health Nutr.* 2018;21(16):3027-3036.
14. Sharma A, Karna ST, Tandon M, Pandey CK, Chaturvedi R, Vyas V, Goel AD. Use of ultrasound-guided preoperative diaphragmatic thickness as a predictor of postoperative weaning failure in recipients and donors scheduled for living donor liver transplant surgery. *Saudi J Anaesth.* 2018;12(3):406-411.
15. Agrawal SP, Ish P, Goel AD, Gupta N, Chakrabarti S, Bhattacharya D, Sen MK, Suri JC. Diagnostic utility of endobronchial ultrasound features in differentiating malignant and benign lymph nodes. *Monaldi Arch Chest Dis.* 2018;88(2):928
16. Prasanna T, Jeyashree K, Chinnakali P, Bahurupi Y, Vasudevan K, Das M. Catastrophic costs of tuberculosis care: a mixed methods study from Puducherry, India. *Glob Health Action.* 2018;11(1):1477-493.

#### **Non PubMed Indexed**

1. Raghav P, Gupta M, Dhupar D, Saranya R. Socio-demographic profile of mine workers in stone cutting mines of Jodhpur: A Descriptive Cross-Sectional Study. *Int J Med Sci Public Health.*
2. 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



3. Mishra K, Siddharth V, Bhardwaj P, Elhence A, Jalan D. Perception of School Teachers towards Inclusive Education System in Jodhpur city, Rajasthan, India. *Journal of Clinical and Diagnostic Research*. 2018;12(4): JC19-JC23.
4. Rustagi, N., Kumar, A., Norbu, L., & Vyas, D. . Applying Haddon Matrix for Evaluation of Road Crash Victims in Delhi, India. *Ind J Surg*. 2018 80(5):479-487.
5. Rustagi N, Pal R. Orienting faculty about medical student's perception: An essential yet missing area in curriculum development in new INI's (Institute of National Importance). *Al Ameen J.Med.Sci*. 2018;11(02):112-123.
6. Visnegarwala F, Gupta MK, Balu HU, Mahesh RV, Hawaldar S, Rajachar V, Palled V, Kedar SC. Successful Use of Spirulina in Combatting Childhood Undernutrition: A Community Intervention Study as Part of a Mission Project. *Int J Res Med Sci*. 2018;9(12):30007-16.
7. Rath RS, Pathak VK, Goel AD, Rizwan S, Lohiya A. How far we are from achieving universal health coverage? A situational analysis and way forward for India. *Ind J Com Fam Med*. 2018;4(1):16–23.
8. Yadav V, Vibha, Goel AD, Dabar D, Majhi J. Prevalence and associated socio-cultural factors for tobacco use among male youth (15-24 years) in North India. *Indian J Appl Res*. 2018;8(4):53–5.
9. Yadav V, Vibha D, Goel AD, Dabar D, Singh M, Kumar S. Respiratory and oral morbidity in tobacco consuming youth of North India. *Int J Sci Res*. 2018 Jul 9;7(4).
10. Sharma H, Goel A, Gosain M, Amarchand R, Kapoor S, Kumar A, et al. Community healthcare professional visits are important determinants of knowledge and practices regarding newborn care among mothers. *J Nat Sci Biol Med*. 2018;9(2):159.

**Name of Faculty: Dr. (Mrs) Pankaja Raghav**

**Designation: Professor and Head**

#### **Books/Chapters**

1. Raghav P, Gupta M. Occupational Health. In :IAPSM's Textbook of Community Medicine, A M Kadri, RashmiKundapur, Rakesh Kakkar, Ankit Sheth, NidhiMangrola, First Edition, Delhi, J P brothers Medical Publishers (P) Ltd, 2019:773-808.

#### **Papers Presented:**

1. Raghav PR, Dewesh Kumar, Nitesh Kumar Reaching the Dropouts for Vaccination in Underserved Areas of Jodhpur in IPHACON 2019 at Kakinada in January 2019
2. Raghav PR, Upadhyay S, Chouhan N. Risk factors for Chronic Obstructive Pulmonary Disease (COPD) among women not exposed to tobacco smoke: a case control study in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla

#### **List of papers, as the co-author:**

1. Raghav P, Gupta M, Duphar D, Saranya R. Socio-demographic profile of mine workers in stone cutting mines of Jodhpur: A Descriptive Cross-Sectional Study. *International Journal of medical sciences and Public health in ACIES Plus Conference 2018, IIPHG Gandhinagar on 27-28 December 2018.*

2. Tanveer T, Gupta M, Raghav P. A review on menstrual hygiene among adolescent girls in India. XXII Annual Conference UP & Uttarakhand Chapter, IAPSM 2018, Organised at AMU.
3. Singh P, Raghav P, Goel A. Household Biomedical Waste Generation and Disposal Practices in Urban Jodhpur - A Community Based Study in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla
4. Saranya R, Raghav P, Gupta M. Assessment of Respiratory Morbidities among family members of mine workers in Jodhpur, Rajasthan in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.
5. Rajshekhar T, Naveen KH, Raghav P, Aneja J, Gupta M, Goel A. Prevalence of internet addiction & its association with sleep quality among college students in Jodhpur in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.
6. Tanveer T, Singh G, Gupta M, Raghav P, . Assessment of Occupational Health Risk of Industry Workers in Jodhpur in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.
7. Mittal M, Rustagi N, Raghav P, Prasanna T. Effectiveness of behavior change theory based interventions toward tobacco and dietary behavior among school children: A review in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.
8. Singh G, Goel AD, Raghav P, Gupta M. Health education intervention for improving iron folic acid adherence among antenatal mothers- A systematic review in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla
9. Singh G, Tanveer T, Gupta M, Raghav P. Assessment of Occupational Safety Related Practices of Industry Workers in Jodhpur in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla

#### **Sessions Chaired:**

1. Chaired a session , "Dr. I. C. Tiwari Lifetime Achievement Award" session during 63<sup>rd</sup> National Conference of Indian Public Health Association (IPHACON 2019) held at Rangaraya Medical College, Kakinada on 1<sup>st</sup> February 2019.
2. Chaired free Oral presentation session on the theme of Infectious diseases on 09.03.2019 in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.

#### **Invited Lectures**

1. "Gender issues in relation to Universal Health coverage" in 22<sup>nd</sup> Annual Conference of NZIAPSM and 13<sup>th</sup> Punjab Chapter IAPSM Conference 2018 held on 8<sup>th</sup> and 9<sup>th</sup> April 2018 in Ludhiana, Punjab.

#### **Symposium Speaker**

1. Record keeping of elderly in Community (diary of AIIMS Jodhpur) " in Pilot Testing & Training of Trainers under National Programme for Health Care of Elderly (Community Health Workers) organized by MOHFW at Maulana Azad Medical College on 18<sup>th</sup> to 20<sup>th</sup> April 2018
2. COACH workshop on prehospital trauma care in 63<sup>rd</sup> National Conference of Indian Public Health Association (IPHACON 2019 ) in January 2019 at Kakinada
3. " Long term geriatric care Indian Perspective " in Plenary on elderly care supported by Govt. Of India in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla.

**Resource Faculty:**

1. "National Expert Group Technical Consultation on Prevention and Treatment of Iron Deficiency Anemia "organized on 23rd to 24th April 2018 at AIIMS, New Delhi under aegis of MOHFW
2. Preparatory meeting for , "POSHAN Maah "under Anemia Mukh Bharat- POSHAN ABHIYAN National Centre of Excellence and Advanced Research on Anemia Control (NCEAR-A) at Centre for Community Medicine AIIMS- New Delhi on 29<sup>th</sup> August 2018
3. "National Dissemination Workshop on Anemia Mukh Bharat and Home-Based care for Young Child Cum Orientation Workshop for State Programme Managers" , organized by MOHFW 18th-19th September 2018
4. "WHO regional consultation in South East Asian Region on Ear and Hearing Care" at Maulana Azad Medical College, New on 3-4 October,2018
5. Evaluation of papers for award in IAPSMCON 2019 in 46<sup>th</sup> Annual National IAPSM Conference from 8<sup>th</sup> -10<sup>th</sup> March 2019 at IGMC, Shimla., "

**Research Project:****❖ Ongoing:****➤ As Principal Investigator****Extramural-**

1. Systems approach for assessment of Maternal deaths in Rajasthan: a feasibility study" funded by ICMR.
2. National SRS based VA System- Multicentric- funded by Govt. of India

**Intramural :**

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.

**➤ Co-Investigator:****Intramural:**

1. Symptoms of depression in adolescents with asthma: a reason for non-adherence?
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
4. Utilization of outpatient services in rural and urban health centers

**Extramural:**

1. 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****Extramural –**

1. Survey for Monitoring the National Non Communicable Diseases Target 2017-2018- funded by Govt. of India.

**Intramural –**

1. Risk factors for Chronic Obstructive Pulmonary Disease (COPD) among women not exposed to tobacco smoke: a case control study

**Examinership**

1. MD examination, S N Medical College, Jodhpur
2. Post Graduate Diploma examination, Govt. Medical college Bhavnagar
3. MBBS examination MAMC, New Delhi
4. MD Examination NKP Salve Medical College, Nagpur
5. MBBS Examination AIIMS Raipur

**National/ International Conferences attended:**

1. 22nd annual conference of North Zone Indian Association of Preventive and Social Medicine (NZIAPSM) and 13th annual conference of IAPSM Punjab chapter at Dayanand Medical college in Ludhiana from 8th and 9th April 2018.
2. Pilot Testing & Training of Trainers under National Programme for Health Care of Elderly (Community Health Workers) organized by MOHFW at Maulana Azad Medical College, New Delhi from 18<sup>th</sup> to 20<sup>th</sup> April 2018.
3. 63<sup>rd</sup> Annual National Conference of Indian Public Health Association (IPHACON 2019) at Rangaraya Medical College at Kakinada from 1<sup>st</sup> to 3<sup>rd</sup> Feb 2019.
4. 46th Annual National Conference of India Association of Preventive & Social medicine (IAPSM) from 8<sup>th</sup> to 10<sup>th</sup> March 2019, Indira Gandhi Medical College Shimla (IGMC), Shimla.
5. National Expert Group Technical Consultation on Prevention and Treatment of Iron Deficiency Anemia organized on 23<sup>rd</sup> to 24<sup>th</sup> April 2018 at AIIMS, New Delhi under aegis of MOHFW
6. Preparatory meeting for POSHAN Maah under Anemia Mukh Bharat- POSHAN ABHIYAN National Centre of Excellence and Advanced Research on Anemia Control (NCEAR-A) at Centre for Community Medicine AIIMS- New Delhi on 29<sup>th</sup> August 2018
7. National Dissemination Workshop on Anemia Mukh Bharat and Home-Based care for Young Child Cum Orientation Workshop for State Programme Managers, organized by MOHFW 18<sup>th</sup>-19<sup>th</sup> September 2018
8. WHO Meeting on sound hearing at Maulana Azad Medical College, New on 3-4 October, 2018

**Name of Faculty: Dr. Pankaj Bhardwaj**

**Designation: Additional Professor**

**Sessions Chaired:**

1. Chaired a scientific session in IAPSMCON 2019, 46th Annual National Conference of India Association of Preventive & Social medicine (IAPSM) from 7<sup>th</sup> to 10<sup>th</sup> March 2019, Indira Gandhi Medical College Shimla (IGMC), Shimla.
2. Chaired a session on “Diseases for elimination: Leprosy”, in International Public Health Conference, on 3<sup>rd</sup> November 2018, AMRITA, Kochi.
3. Judged a session on RCH, in International Public Health Conference on 3<sup>rd</sup> November 2018, at AMRITA, Kochi.

4. Special Guest during the Inaugural Ceremony, Rajasthan Conclave-6 at during 20-22 October 2018 at Desert Medicine Research Centre (DMRC) Jodhpur.

**Invited Lectures:**

1. VIA ToT for Medical Officers for Screening of Carcinoma Cervix, Topic: Counselling and informed choice for screening in community setting, 18-19 Feb 2019, AIIMS Jodhpur
2. Panelist during Rajasthan Conclave-6, DMRC, Jodhpur, 20-22 October 2018
3. Infection Control Workshop at SIHFW, on 30/10/2018 at Jaipur.
4. "Ethics in Rural Settings" at 2nd National Training faculty Quality Assurance Camp, 26-27 May, 2018, in Chennai.

**Resource faculty:**

1. For developing "Certificate for Geriatric Care Assistant Programme" at IGNOU Delhi, 11 October 2018
2. IAG Research Methodology conducted by Research Wing of Indian Academy of Geriatrics in collaboration with Multi-Disciplinary Research Unit, Dr. S.N Medical College, Jodhpur on 18th and 19th August, 2018

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Assessment of effectiveness of e-upakaran ( On line Inventory Control ) system in improving service outcome in State Health, Rajasthan- Extramural-National Health Mission
2. Epidemiological study on estimation of the soil transmitted helminthes infections among antenatal women in selected states of India- Multicentric study-PI from AIIMS Jodhpur- Extramural

➤ **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. Early detection of Breast Cancer- ICMR Task Force- Extra mural
3. Prevalence of intestinal parasitic infection in Undernourished children- Intramural

❖ **Completed:**

➤ **As Principal Investigator:**

1. Low Birth weight in newborn and anaemia in pregnancy in Fluoride endemic areas of Western Rajasthan- Extramural-SERB

➤ **As Co-Investigator:**

1. Determination of Vitamin D reference level in Healthy Population in Urban Rajasthan- Intramural
2. Determination of Vitamin D reference level in Healthy Population in Rural Rajasthan- Intramural

**Scientific Awards/Patents**

1. Award of "India Book of records" for "First School to Organize hand Hygiene Training", on World hand hygiene day, 15 October 2018, awarded to AIIMS Jodhpur and Govt Senior Secondary School Dhawa

**Examinership:**

1. SNMC Jodhpur 22-25 Jan 2019- UG Exam
2. AIIMS Rishikesh 06-08 Dec 2018-UG Exam
3. Era's Medical College Lucknow, 03-04 Aug 2018- PG Exam
4. AIIMS Rishikesh 18 April 2018-UG Exam

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

1. Member of Annals of the National Academy of Medical Sciences (India)

**National/ International Conferences attended:**

1. IAPSMCON 2019, 46th Annual National Conference of India Association of Preventive & Social medicine (IAPSM) from 7 to 10th March 2019, IGMC Shimla
2. Training Course on Demographic Data Analysis for Health Personnel (11<sup>th</sup>– 15<sup>th</sup> February 2019) at NIHFWD Delhi
3. Pre Conference Workshop on HTA, UPUK IAPSMCON 2018, 25th October 2018 at AMU, Aligarh
4. 2<sup>nd</sup> National Training faculty Quality Assurance Camp, 26-27 May, 2018, Chennai
5. AMRITA, International Public Health Conference, Kochi, 3rd November 2018,

**Workshops/ Conferences Organised:**

1. Coordinated PG National Quiz during IAPSMCON 2019, 46th Annual National Conference of India Association of Preventive & Social medicine (IAPSM) from 7 to 10th March 2019, IGMC Shimla
2. Coordinated VIA ToT for Medical Officers for Screening of Carcinoma Cervix, 18-19 Feb 2019, AIIMS Jodhpur
3. Pre Conference Workshop on HTA, UPUK IAPSMCON 2018, 25th October 2018 at AMU, Aligarh
4. Coordinated as Secretary, for establishment of Bioethics Unit of the International Network of UNESCO Chair in Bioethics, Haifa, at AIIMS Jodhpur, 23 May 2018

**Any Other :**

1. Member, IEC, Desert Medicine Research Center (DMRC) Jodhpur, from 16-07-2018
2. Member of team of three faculty nominated for the peer assessment of AIIMS Bhubaneswar for Kayakalp award
3. External peer reviewer for WHO guideline on management of lead exposure
4. Member, Second task force meeting to finalise Operational Guideline on RMNCHA for CPHC, at NHRDC, New Delhi on 17th November 2018.

**Name of the Faculty: Dr. Neeti Rustagi**

**Designation: Associate Professor**

### **Workshops/ Conferences Organized**

1. Pre- Conference Workshop Coordinator and Resource Person for COACH (Community Action and Care Hands) on Roads in “Community Empowerment for Health: A Multi-Sector Approach/Network: TUFH Annual Meeting 2018”, presented by The Network: Towards Unity for Health (TUFH) held in Limerick, Ireland from 16th to 20th August, 2018.
2. Coordinator for COACH (Community Action and Care Hands) on Roads held on 31<sup>st</sup> January at IPHACON 2019 at Kakinada , Andhra Pradesh.
3. Pre- Conference Workshop Coordinator and Resource Person for “Prehospital care of Occupational Injuries” organized by the 4<sup>th</sup> International Conference on Occupational & Environment Health’ held at LHMC, New Delhi from 15<sup>th</sup> to 17<sup>th</sup> Feb, 2019.
4. Coordinated and contributed in Observance of World trauma day on 17<sup>th</sup> October 2018 under guidance of Medical Superintendent, AIIMS Jodhpur.

### **Books/Chapters**

1. Goswami N. Prevention of Pediatric Abdominal Trauma. In: Blunt Abdominal Trauma in Children - Problems and Solutions. Ahmad Khan Rizwan, WahabShagufta (Editor.), 1<sup>st</sup> edition, Singapore, Springer Nature, 2018; 11-18.

### **Papers Presented:**

1. Rustagi N, Mehto A, Raghav P. Lack of perceived utility of data for public health intervention: Reviewing role of peripheral health care facilities in Jodhpur, Rajasthan for injury surveillance (0647). 46<sup>th</sup> Annual National Conference of Indian Association of Preventive & Social Medicine & International symposium on National Health Protection Mission (IAPSMCON 2019) 8<sup>th</sup> to 10<sup>th</sup> March, 2019, Indira Gandhi Medical college Shimla, Himachal Pradesh
2. Rustagi N, Challenges in estimating burden of Injuries . EMINDIA 2018 - the Annual National Conference of Emergency Medicine Association, 21<sup>st</sup> and 22<sup>nd</sup> July, 2018, Banaras Hindu University, Varanasi
3. Rustagi N, Raghav P, Gehlot L. Factors determining care of road accident victim: A cross – sectional study among medical graduates in Jodhpur, Rajasthan, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> February 2019, LHMC , New Delhi
4. Mittal A, Rustagi N, Prasanna T, Raghav P. Are Jodhpur Government School Environment Anti-Tobacco Compliant? An analytical cross-sectional study of implementation of legislation-based tobacco preventive measures, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> February 2019, LHMC , New Delhi
5. Rustagi N, Meena JK, Jangir M. Screening for non-communicable disease risk factors among police personnel’s in Jodhpur city, Rajasthan, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> February 2019, LHMC , New Delhi
6. Rustagi N, Goyal P. Burnout Among Physicians working in a Government tertiary Healthcare Establishment in Jodhpur, Rajasthan, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> February 2019, LHMC, New Delhi

7. Meena JK, Rustagi N, Jangir V. 204. A non-communicable diseases and risk factors among police personnel in Jodhpur, India, Occup Environ Med , 23<sup>rd</sup> to 25<sup>th</sup> September 2018, Calgary, Alberta, Canada
8. Dutt, N., Rustagi, N., Singh, S., Shekhar, S., Kuwal, A., Chaudhry, K., & Kirubakaran, R. Efficacy and safety of bronchoscopic lung volume reduction (BLVR) modalities functioning independent of collateral ventilation in advanced emphysema: Systematic review and meta-analysis, European respiratory society (ERS) international Congress, 15<sup>th</sup> to 19<sup>th</sup> September 2018, Paris Expo – Porte de versailles- Pavilion 1 place de la porte de versailles Paris, France.
9. Rustagi N, Prasanna T, Raghav P, Mittal A. Effectiveness of behavior change theory based interventions toward tobacco and dietary behavior among school children: A review 46<sup>th</sup> Annual National Conference of Indian Association of Preventive & Social Medicine & International symposium on National Health Protection Mission (IAPSMCON 2019), 8<sup>th</sup> to 10<sup>th</sup> March, 2019, Indira Gandhi Medical college Shimla, Himachal Pradesh

#### **Sessions Chaired:**

1. Poster session, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> Feb, 2019, LHMC, New Delhi

#### **Invited Lectures**

1. Trauma: A preventable disease .8<sup>th</sup> National conference of the Indian Association of Traumatology and Critical Care (TRAUMASICON 2018), 24<sup>th</sup> to 26<sup>th</sup> August 2018, K.S. Hegde Medical Academy, Mangalore
2. Musculoskeletal Trauma, ATLS Provider course, 14<sup>th</sup> to 16<sup>th</sup> February 2019, Dr Ram Manohar Lohia Hospital , New Delhi
3. Trauma in pregnancy, ATLS Provider course, 14<sup>th</sup> to 16<sup>th</sup> February 2019, Dr Ram Manohar Lohia Hospital , New Delhi

#### **Resource Faculty:**

1. COACH (COMMUNITY ACTION AND CARE HANDS) ON ROADS, ROAD SAFETY AWARENESS, 5<sup>th</sup> & 6<sup>th</sup> Feb, 2019, Jodhpur
2. ATLS PROVIDER COURSE, 14<sup>th</sup> TO 16<sup>th</sup> FEBRUARY 2019, DR RAM MANOHAR LOHIA HOSPITAL , NEW DELHI
3. COACH (COMMUNITY ACTION AND CARE HANDS) ON ROADS, COMMUNITY EMPOWERMENT FOR HEALTH: A MULTI-SECTOR APPROACH/NETWORK: TUFH ANNUAL MEETING 16<sup>th</sup> TO 20<sup>th</sup> AUGUST, 2018, LIMERICK, IRELAND.
4. Prehospital care of Occupational Injuries, 4<sup>th</sup> International Conference on Occupational & Environment Health, 15<sup>th</sup> to 17<sup>th</sup> Feb, 2019, at LHMC, New Delhi

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Evaluating and strengthening pre-hospital trauma care systems for mitigating burden of road traffic accidents in Jodhpur, Rajasthan :ICMR



2. A Structured modular intervention for enabling General Practitioners and allied health professionals in providing pre-hospital injury care in Jodhpur: A mixed method study : AIIMS Jodhpur

➤ **As Co-Investigator**

1. Systems approach for assessment of Maternal deaths in Rajasthan: a feasibility study: ICMR.
2. Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centers of department of Community Medicine & Family Medicine, AIIMS Jodhpur.

❖ **Completed:**

➤ **As Principal Investigator**

1. Principal Supervisor: "Physician Occupational Stress, Burnout and sleep Quality in Relation to Their Working Environment in Government Healthcare Establishment: A Cross Sectional Study": **ICMR – STS (2018-19):**
2. Review of Injury surveillance system in Jodhpur, Rajasthan: **Ford Foundation, IAPSM**

➤ **As Co-Investigator**

1. National Non Communicable Disease (NCD) Monitoring Survey-NNMS 2017 in Rajasthan and Gujarat: **ICMR**

**Examiner ship**

1. Practical examination in Community Medicine conducted for Final MBBS, Part- 1, Department of Community Medicine, Dr. S. N. Medical College Jodhpur, 22<sup>nd</sup> to 25<sup>th</sup> January 2019.

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

1. Extended team leader for Injuries module for REECH- Repository for Education and Empowering Citizens for Health under the banner of LEAP – Life Skill Education And Health Promotion by Indian Association of Preventive and Social Medicine

**National/ International Workshop/Conferences attended:**

1. 46th Annual National Conference of Indian Association of Preventive & Social Medicine & International symposium ,National Health Protection Mission (IAPSMCON 2019), Indira Gandhi Medical college Shimla, Himachal Pradesh, India, 8th to 10th March, 2019
2. 46th Annual National Conference of Indian Association of Preventive & Social Medicine ,CME Logistic Regression and Qualitative Research, Indira Gandhi Medical college Shimla, Himachal Pradesh, India, 7<sup>th</sup> March, 2019
3. Challenges in estimating burden of Injuries, EMINDIA 2018 - the Annual National Conference of Emergency Medicine Association, Banaras Hindu University, Varanasi, 21<sup>st</sup> and 22<sup>nd</sup> July, 2018.
4. Mechanical Ventilation, AIIMS Jodhpur, 12<sup>th</sup> May 2018.
5. AIIMS- France Academy of Medicine Collaborative Symposium on Trauma Management and Injury Prevention, AIIMS , New Delhi, 20th and 21st April 2018

6. AHA accredited BLS and ACLS Instructor course, AIIMS, New Delhi, 22<sup>nd</sup> to 23<sup>rd</sup> February 2019.
7. Short term training as BLS & ACLS Provider, AIIMS Delhi, Skills E-learning and Telemedicine, 12th to 14<sup>th</sup> November 2018.

**Name of Faculty: Dr. Manoj Kumar Gupta**

**Designation: Assistant Professor**

**Books/Chapters:**

1. Raghav P, **Gupta MK**. Occupational Health. In IAPSM Textbook of Community Medicine, JAYPEE publisher 2019

**Papers Presented:**

1. Royal A, Gupta MK. Role of Community System Strengthening to improve Transgender and Hijra Health in India: A Review. XXI Annual Conference of UP & Uttarakhand chapter, IAPSM 2018. Organized at AMU
2. Tanveer T, Gupta MK, Raghav P. A Review on Menstrual Hygiene Management Among Adolescent Girls in India. XXI Annual Conference of UP & Uttarakhand chapter, IAPSM 2018. Organized at AMU
3. Rathee D, Dhupar D, Bhagat D, Royal A, Gupta MK. Role of Respectful Maternal Care Models to Improve Health Mothers in India: A Textual Synthesis Review. ACIES Plus conference, 27th to 29th December, 2018 at Gandhinagar
4. Raghav P, Gupta MK, Dhupar D. Socio-demographic profile of mine workers in stone cutting mines of Jodhpur: A Descriptive Cross-Sectional Study. ACIES Plus conference, 27th to 29th December, 2018 at Gandhinagar
5. Tanveer T, Raghav P, Gupta MK. Assessment of occupational health risk of industry workers in Jodhpur. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.
6. Singh G, Raghav P, Gupta MK. Assessment of occupational safety related practices of industry workers in Jodhpur. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.
7. Singh G, Goel AD, Raghav P, Gupta MK. Health education intervention for improving iron folic acid adherence among ante-natal mothers - A systemic Review. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.
8. 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. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.
9. Saranya R, Raghav P, Gupta MK. Assessment of respiratory morbidities among family members of mine workers in Jodhpur. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.
10. Rajasekhar T, Naveen KH, Gupta MK. Prevalence of internet addiction and its association with sleep quality among college students in Jodhpur. 46th Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla.

**Sessions Chaired:**

1. Sessions Chaired on “School and Adolescent Health” at IAPSMCON 2019, 8th to 10th March, 2019, IGMC Shimla

**Resource Faculty:**

1. Resource person for delivering lecture on “Mitigating Malnutrition through Nutritional Supplements” during the Orientation course held at Agriculture University, Jodhpur during 25 August-14 September, 2018
2. Delivered plenary on “Changing and challenging role of optometrist in India” in Optometrists session for AKSHICON II, organized by Department of Ophthalmology, AIIMS Jodhpur on 8th and 9th of December 2018
3. Delivered plenary on “Community Engaged Research in Ophthalmology” in community ophthalmology session for AKSHICON II, organized by Department of Ophthalmology, AIIMS Jodhpur on 8th and 9th of December 2018
4. Was Nodal person for conducting IAPSM WHD 2018 quiz competition on 7<sup>th</sup> April 2018, at Department of CMFM, 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
2. Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centres of department of Community Medicine & Family Medicine, AIIMS Jodhpur
3. Assessment of geriatric health status in a rural field practice area of AIIMS 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. Symptoms of depression in adolescents with asthma: a reason for non-adherence?
5. To study the utilization of Outpatient services in Rural and Urban health centers covered by Department of Community Medicine and Family Medicine, AIIMS, Jodhpur
6. Socio-demographic profile of mine workers' in organized and unorganized sectors of Jodhpur
7. Assessment of Occupational Health Risk and Safety Related Practices of Industry Workers in Jodhpur
8. Silico-tuberculosis, silicosis and other respiratory morbidities in mine workers and their family members

9. Empowerment and Engagement of Adolescent Girls Regarding Reproductive Health in Rural Jodhpur: An Intervention Study (Guide)
10. Family-centered health education intervention for improving iron folic acid adherence and anemia reduction among ante-natal mothers in Jodhpur (Co-Guide)
11. Assessment of Risk Factors and awareness regarding Non-Communicable Diseases among Rural and Urban School going Adolescents in Jodhpur (Guide)
12. Assessment of Depression among Rural and Urban School going Adolescents in Jodhpur

❖ **Completed:**

➤ **As Principal Investigator**

1. 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

➤ **As Co-Investigator**

1. Survey for Monitoring the National Non Communicable Diseases (NCD) Targets
2. Assessment of Knowledge, Attitudes and Practices about antibiotic resistance among Medical students in India
3. Perception and practices regarding menstrual hygiene among adolescent girls in urban and rural area of Jodhpur (Guide)

**Examinerships:**

1. Conducted Practical & Viva-Voce Examination of III Professional MBBS Part-I (VII Semester) in the subject Community Medicine in Institute of Medical Sciences, Banaras Hindu University, Varanasi, from 13-15 December, 2018

**National/ International Conferences attended:**

1. Attended 46<sup>th</sup> Annual National Conference of IAPSM from 8th to 10th March 2019 at IGMC Shimla

**Name of Faculty: Dr. Naveen K.H**

**Designation: Assistant Professor**

**Papers Presented:**

1. Prevalence of internet addiction and its association with sleep quality among college students in Jodhpur. E poster presentation at 46th National conference of IAPSM at IGMC, Shimla (H.P) from 8th to 10th March 2019
2. Assessment of Mental health status of School going Adolescents in rural and urban areas of Jodhpur, Rajasthan. E poster presentation at 46th National conference of IAPSM at IGMC, Shimla (H.P) from 8th to 10th March 2019

**Resource Faculty:**

1. Resource Faculty for Introductory Course on 'Evidence Based Medicine' for Faculty held from 26th March to 4th April 2019 at AIIMS, Jodhpur

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

1. Symptoms of depression in adolescents with asthma: a reason for non-adherence? Funding agency: AIIMS, Jodhpur (Funding agency: AIIMS, Jodhpur)
2. Exploring internet addiction and its associated factors among college students in Jodhpur- A mixed method study (MD thesis Guide)

**➤ As Co-Investigator**

1. To Study the utilization of out patient's services in rural and urban health centres covered by department of community Medicine and Family Welfare, AIIMS, Jodhpur. Funding agency: AIIMS, Jodhpur
2. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines. Funding agency: AIIMS, Jodhpur
3. 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)
4. Determinants and risk factors for Drug resistant Tuberculosis in Jodhpur: A case control study. (MD thesis Co-guide)

**❖ Completed:****➤ As Principal Investigator:**

1. Assessment of mental health and nutritional status of school going adolescents in rural and urban areas of Jodhpur (MPH project)

**➤ As Co-Investigator:**

1. 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. Funding agency: AIIMS, Jodhpur

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

1. Life Member of Research Society for the Study of Diabetes in India (RSSDI)
2. Member of International Epidemiological Association (IEA) (3 years- March 2019 to February 2022)
3. Life member of Indian Association for Adolescent Health (IAAH)

**National/ International Conferences attended:**

1. Attended 37th National conference on ' Mind Body Medicine ' at Brahma Kumaris Shantivan, Mount Abu from 8th to 11th February 2019

### **Workshops/ Conferences Organized**

1. Member of Yoga and Meditation Committee. Organized workshop and lectures by eminent personalities from various Spiritual organizations like ISKCON, Brahma Kumaris and Art of Living foundation

### **Any other information:**

1. Member of Yoga and Meditation Committee and conducting meditation classes every week in Meditation room of AYUSH building
2. Cleared first year exam of Post graduate diploma in family medicine (PGDFM- a distance learning program of CMC Vellore) held in October 2018.
3. Attended the 2nd contact program of Post graduate diploma in family medicine (PGDFM) at Bangalore Baptist Hospital from 3rd October 2018 to 13th October 2018.

**Name of Faculty: Dr. Prem Prakash Sharma**

**Designation: Assistant Professor**

### **Presented:**

#### **As Resource Faculty:**

1. Resource Faculty during the workshop on “Protocol Design and Introduction to Evidence Based Medicine” for PG, PhD and M.Sc Students on 30 & 31 October, 2018 at AIIMS ,Jodhpur..
2. Guest Faculty for teaching Biostatistics to Post graduate MD (Ayurved ) at Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Kadvad, Jodhpur,Rajasthan.
3. Guest Faculty for teaching Biostatistics to MSc (Nursing) students at College of Nursing,AIIMS, Jodhpur .

### **Research Project:**

#### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. To study the Utilization of outpatient services in rural and Urban health centres covered by Deptt. of CMFM,AIIMS, Jodhpur.

##### **➤ As Co-Investigator:**

1. Symptoms of depression in adolescents with asthma: a reason for non-adherence.
2. “Empowering Scheduled Caste through guided meditation” DST funded project being conducted at SSIAR, Bangalore

#### **❖ Completed:**

##### **➤ As Co-Investigator:**

1. Impact of Oral Submucous Fibrosis on Quality of Life: A cross-sectional Study.
2. The effect of Transversus Abdominus plane block for Analgesis in patients undergoing liver transplantations: A systematic review and Meta Analysis.

3. 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 (Conducted at NITRD, New Delhi )

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

1. Life Membership of Society of Statistics, Computer and Applications (SSCA) on 12/1/2018.
2. Life Membership of Indian Association for Social Science and Health (IASSH) on 15/02/2019.

#### **Workshop attended:**

1. Attended 3T-IBHSC (Train,Teach,Transfer in Biomedical Health Science) training Course for Health Science Faculty at AIIMS, Jodhpur from 23<sup>rd</sup> to 25<sup>th</sup> May 2018.
2. Attended workshop on “Advanced Methods in Large Scale data Analysis” at Jawaharlal Lal Nehru University , New Delhi from 7<sup>th</sup> to 9<sup>th</sup> Dec 2018.

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

1. Review of Intramural Research Projects as member of Research Review Committee.

**Name of Faculty: Dr. Akhil Dhanesh Goel**

**Designation: Assistant Professor**

#### **Books/Chapters**

1. Kaur R, Goel AD. Child Health. In: IAPSM's Textbook of Community Medicine, Kadri AM, 1<sup>st</sup> edition, New Delhi, Jaypee Brothers Medical Publishers 2019; 736-756
2. Bhardwaj P, Goel AD. General Epidemiology of Infectious Diseases and its Prevention and Control. In: IAPSM's Textbook of Community Medicine, Kadri AM, 1<sup>st</sup> edition, New Delhi, Jaypee Brothers Medical Publishers 2019; 253-265

#### **Resource Faculty:**

1. Formulation of Questionnaire, Validity, Reliability. At Protocol Design and Introduction to Evidence Based Medicine for PGs and MPH students – 18<sup>th</sup> March 2019, AIIMS Jodhpur
2. “Formulation of Questionnaire, Validity, Reliability” at Protocol Design and Introduction to Evidence Based Medicine for PGs and MPH students – 30<sup>th</sup> October 2018
3. Sample Registration System – Verbal Autopsy training of Supervisors at Directorate of Census Operations Office, Jaipur in January 2019

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines. (Intramural Project)

➤ **As Co-Investigator**

1. Family-centered health education intervention for improving iron folic acid adherence and anemia reduction among ante-natal mothers in Jodhpur
2. Empowerment and Engagement of Adolescent Girls Regarding Reproductive Health in Rural Jodhpur: An Intervention Study
3. Assessment of nutritional status and its association with functional ability, dependency and selected co morbidities in geriatric population of rural Jodhpur
4. Opportunistic screening of Diabetes Mellitus and Hypertension at the Outpatient departments of health centers of department of Community Medicine & Family Medicine, AIIMS Jodhpur
5. Menstrual irregularities and hyperandrogenism among adolescent girls in Jodhpur- a Cross Sectional Study.
6. Symptoms of depression in adolescents with asthma: a reason for non-adherence? (Intramural Project: Principal Investigator: Dr. Naveen KH)
7. Assessment of caregiver's burden and coping strategies amongst caregivers in a tertiary care hospital in western Rajasthan.

❖ **Completed:**

➤ **As Co-Investigator :**

1. Impact of Behavior Change Communication on household Biomedical Waste Disposal in Urban Jodhpur - A Community Intervention Trial (PG Thesis of DR. Prashant Singh)
2. To study the patterns of social anxiety and internet usage among adolescents

**Examinership**

1. AIIMS Undergraduate Examination by online CBT Mode on 26th & 27th May, 2018 at Trichy.

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

1. Member of International Epidemiological Association

**National/ International Conferences attended:**

1. Training programme on survey research methodology during 8-10th October 2018 at ICMR-NIMS, New Delhi
2. Mentorship Workshop by Prof. Tejinder Singh – 15<sup>th</sup> February 2019 at AIIMS Jodhpur

**Name of Faculty: Dr. Prasanna T.**

**Designation: Assistant Professor**

**Papers Presented:**

1. Prasanna T, Lopamudra, Umarani A. NCD Risk Survey using STEPS among Rural Women in Puducherry India'.15<sup>th</sup> World Rural Health Conference, 26 – 29<sup>th</sup> April, 2018, India Habitat Center, Delhi.



2. Prasanna T, Jenifer RA, Vinayagamoorthi R, Vasudevan K. 'Common Four NCD Risk Factors among Household members of Persons with Tuberculosis - An explorative operational research for integrated NCD TB Prevention'. 46th National Indian Association of Preventive and Social Medicine and International Symposium on National Health Protection Mission, 8<sup>th</sup> to 10<sup>th</sup> March 2019, IGMC Shimla

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Screening of Non-Communicable Diseases Risk among Tuberculosis Patients of Jodhpur - An Explorative Pilot Study. Intramural (AIIMS Jodhpur)

➤ **As Co-Investigator**

1. Burden of Silicosis and Silico-tuberculosis in rural community predominantly engaged in dust generating occupations like mines. Intramural (AIIMS Jodhpur)

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

1. Life Member, Indian Health Economics and Policy Association
2. Life Member, Research Society for Study of Diabetes in India
3. Life Member, Academy for Health Professional Education
4. Member, Forum for Ethics Review Committees in India

**National/ International Conferences attended:**

1. 15<sup>th</sup>WONCAWorld Rural Health Conference, organized by Academy of Family Physicians of India, India Habitat Center, Delhi. 26-29<sup>th</sup> April, 2018
2. 46th National Indian Association of Preventive and Social Medicine and International Symposium on National Health Protection Mission, organized by Indian Association of Preventive and Social Medicine, IGMC Shimla, 8<sup>th</sup>-10<sup>th</sup> March 2019

## Department of Dentistry

S.No.	Name	Designation
1	Dr. Vinay K. Chugh	Associate Professor
2	Dr. Ankita Chugh	Associate Professor
3	Dr. Kirti Chaudhry	Associate Professor

### About the Department

The 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 2 students each year with 4 post graduate students each in both the specialties at present. The department has upgraded itself to 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 approximately seen 17205 new patients in the out-patient department from 1st April 2018 to 31st March 2019. Approximately 10342 Intraoral X- rays, 2257 Root Canal Treatment (RCTs), 5461 Restorations and Oral prophylaxis, 2235 Minor oral surgical procedures, 138 Dental Implants, 108 new orthodontic patients and 175 Major surgical procedures have been done in the above mentioned period. Surgical Orthodontic treatment facility is provided to patients regularly on case to case basis. Our IPD procedures include major surgical procedures like trauma, OSMF, Oral cancers, TMJ ankylosis, benign pathologies like cyst, tumors and infections and orthognathic surgeries. Dental implants facilities like "All on Four", Sinus Lift procedure and Full Mouth Rehabilitation procedure are also being done.

### Compiled list of Publications of the Department

#### Pubmed Indexed:

1. 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.
2. Sahu KK, Chugh VK, Chugh A. Prevalence and predictors of dental caries among preschool children: A cross sectional study in Bhubhaneshwar, Odisha. *Int J Clin Pediatr* 2018;11(3):238-243.
3. Patnana AK, Chugh A. Endodontic management of curved canals with proper next: A case series. *Contemp Clin Dent* 2018;9, Suppl S1:168-72.6.
4. Shah M, Paramshivam G, Mehta A, Singh S, Chugh A, Chugh VK. Comparative assessment of conventional and light-curable fluoride varnish in the prevention of enamel demineralization during fixed appliance therapy: a split-mouth randomized controlled trial. *Eu J Orthod* 2018;40(2):132-139.
5. Dutt N, Rustagi N, Singh S, Kuwal A, Chaudhry K, Shekhar S, Kirubakaran R. Systematic review and meta-analysis of bronchoscopic lung volume reduction (BLVR) modalities. *Turk Thorac* 2019;1:43-60.

### **Workshops/ Conferences Organised**

1. Sleep Dentistry Workshop Organized by Department of Dentistry, AIIMS, Jodhpur, 17<sup>th</sup>-18<sup>th</sup> Nov 2018.
2. Refresher Course on “Functional Appliances in Orthodontics” Organized by Department of Dentistry, AIIMS Jodhpur, 15<sup>th</sup>-16<sup>th</sup> Mar 2019.

### **Eminent Visitors:**

1. Dr. TP Chaturvedi, Prof and Head, Department of Orthodontics, Faculty of Dental Science, BHU, Varanasi.
2. Dr. Pravesh Mehra, Prof and Head, Department of Dentistry, Lady Hardinge Medical College, New Delhi.
3. Dr. Panchali Batra, MOrth RCS Edinburgh, Associate Professor, Department of Orthodontics, Faculty of Dental Sciences, Jamia Milia Islamia, New Delhi.

### **Any other information:**

1. Organized various urban and rural oral health camps at various PHCs and CHCs.

**Name of Faculty: Dr. Vinay Kumar Chugh**  
**Designation: Associate Professor**

### **Papers Presented:**

1. Chugh VK. Surgical management of maxillary deficiency with congenitally missing teeth. 53<sup>rd</sup> Indian Orthodontic Conference, 7<sup>th</sup>-9<sup>th</sup> Dec 2018, Le Meridian, Kochi.
2. Chugh VK. Class III malocclusion: Treatment at all ages. 4<sup>th</sup> International Craniofacial and Dental Summit, 11<sup>th</sup>-15<sup>th</sup> Dec 2018, Mahaweli Reach Hotel, Kandy, Sri Lanka

### **Sessions Chaired:**

1. Guest Lecture Session at 4<sup>th</sup> International Craniofacial and Dental Summit, 11<sup>th</sup> 15<sup>th</sup> Dec 2018, Kandy, Sri Lanka.

### **Invited Lectures**

1. Adjunctive Orthodontic Procedures, SYNERGY Live Orthognathic Surgery Workshop, Department of Plastic Surgery, 11<sup>th</sup>-12<sup>th</sup> April 2018, KGMU, Lucknow.

### **Resource Faculty:**

1. Sleep Dentistry Workshop, 17<sup>th</sup>-18<sup>th</sup> Nov 2018, AIIMS, Jodhpur.

### **Research Projects:**

#### **❖ Ongoing:**

#### **➤ 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. Effectiveness of fixed and removable orthodontic appliances in anterior cross-bite correction during mixed dentition period - A Randomized Controlled Trial.
3. Comparison of Cephalometric analysis using two Imaging softwares: A retrospective study.
4. Evaluation of success of two orthodontic retainer wires on maxillary and mandibular arch retention over a 12-month period - A Randomized Controlled Trial.
5. Evaluation of manual and rotatory instrumentation for bio-mechanical preparation in permanent teeth- A Randomized Control Trial
6. Relationship between Sella turcica morphology and bridging with skeletal malocclusion and dentofacial anomalies: A retrospective study

### **Completed:**

#### **➤ As Principal Investigator**

1. Stress pattern caused by mini-implant in mandibular alveolar bone with different angulation and retraction forces- A 3-dimensional finite element study

#### **➤ As Co-Investigator**

1. Estimation of sex from dental arch dimensions. Funding agency: AIIMS, Jodhpur.
2. Developing standards for age estimation based on third molar development.
3. The clinical efficacy of minocycline mouth rinses on recurrent aphthous stomatitis: An Open label randomized control trial.

### **Scientific Awards/Patents**

1. Young Orthodontist Award, Craniofacial Research Foundation International Craniofacial and Dental Summit, Sri Lanka, 14<sup>th</sup> Dec 2018

### **Examiner-ship**

1. MDS Examination Orthodontics, Vyas Dental College and Hospital, Jodhpur, 21<sup>st</sup>-22<sup>nd</sup> May 2018.

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

1. Executive Council Member, Craniofacial Research Academy

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

1. 4<sup>th</sup> International Craniofacial and Dental Summit, Craniofacial Research Academy, Sri Lanka in 11<sup>th</sup>-15<sup>th</sup> Dec 2018
2. 53<sup>rd</sup> Indian Orthodontic Conference, Indian Orthodontic Society, Kochi, 5<sup>th</sup>-8<sup>th</sup> Dec 2018
3. Synergy 2018 - Live Surgical Workshop on Orthognathic Surgery organized by Department of Plastic Surgery, KGMU, Lucknow, 11<sup>th</sup> -12<sup>th</sup> May 2018.

**Name of Faculty: Dr. Ankita Chugh**  
**Designation: Associate Professor**

**Papers Presented:**

1. Chugh A. "Surgical Approaches to mid face" at AOCMF Introductory Course conducted from 30<sup>th</sup> Nov to 1<sup>st</sup> Dec 2018, AIIMS, Rishikesh.
2. Chugh A. "Pain: Assessment Methods" at MIDCOMS 2019, 28<sup>th</sup> Feb-2<sup>nd</sup> Mar 2019, AIIMS Raipur.
3. Chugh A. "OSMF – Where do we stand " at 4<sup>th</sup> International Craniofacial and Dental Summit, 11<sup>th</sup> to 15<sup>th</sup> December, 2018 at Kandy, Sri Lanka.
4. Chugh A. " Management of Angle and Condyle fractures" at ICDS , 11<sup>th</sup> to 15<sup>th</sup> December, 2018 at Kandy, Sri Lanka.
5. Chugh A. "Genioplasty", SYNERGY Orthognathic Workshop, Department of Plastic Surgery, 11<sup>th</sup>-12<sup>th</sup> Apr 2018, KGMU Lucknow.

**Sessions Chaired:**

1. Free paper Session 7, 4<sup>th</sup> International Craniofacial and Dental Summit, 13<sup>th</sup> Dec 2018, Mahaweli Reach Hotel, Kandy, Sri Lanka.

**Invited Lectures**

1. Invited faculty for MIDCOMS 2019, 28<sup>th</sup> Feb -2<sup>nd</sup> Mar 2019 at AIIMS Raipur.
2. Invited AOCMF Faculty for Introductory Course, 30<sup>th</sup> Nov to 1<sup>st</sup> Dec 2018 at AIIMS Rishikesh.
3. Guest Speaker at ICDS, 11<sup>th</sup>-15<sup>th</sup> Dec 2018, Kandy, Sri Lanka.
4. Guest Lecture, SYNERGY Live workshop on Orthognathic Surgery, Organized by Department of Plastic Surgery, 11<sup>th</sup> -12<sup>th</sup> Apr 2018, KGMU Lucknow.

**Resource Faculty:**

1. Course Faculty, Maxillofacial Trauma Course at Faculty of Dental Sciences, University of Peradeniya, 11<sup>th</sup> -15<sup>th</sup> Dec 2018, Kandy, Sri Lanka.

**Research Project:**

❖ **Ongoing:**

➤ **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. (Funded by AIIMS Jodhpur)
2. Comparison of Role of Autologous Platelet rich plasma and Dextrose prolotherapy in chronic degenerative disorders of temporomandibular joint: A Pilot study.
3. Evaluation of awareness of local population of Western Rajasthan for Oral cancer.

4. Evaluation of Temporomandibular disorder (TMD) in medical professionals and their correlation with psychoemotional stress. A region based study.
5. 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- (Funded by AIIMS Jodhpur)

❖ **Completed:**

➤ **As Principal Investigator**

1. Knowledge, awareness and practice of Oral Health and Root Canal Treatment among Doctors, Nurses, M.B.B.S and Nursing students in Tertiary Care Hospital.
2. The efficacy of minocyclin mouth rinses on recurrent aphthous stomatitis - A Randomized Controlled Trial.
3. The clinical efficacy of EMLA as a topical anesthetic agent instead of palatal injection during maxillary dental extractions: Randomized Control Open label trial.

➤ **As Co-Investigator**

1. Developing standards for age estimation based on third molar development.
2. Intramural: Estimation of sex from dental arch dimensions (Funded by AIIMS, Jodhpur).

**Examiner-ship**

1. MDS Examination, Oral and Maxillofacial Surgery, External PG examiner at Vyas Dental College on 31<sup>st</sup> May-1<sup>st</sup> June 2018.

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

1. Joint Secretary, Craniofacial Research Academy at ICDS, Kandy Sri Lanka in Dec 2018.

**National/ International Conferences attended:**

1. Synergy 2018 - Live Surgical Workshop on Orthognathic Surgery at Department of Plastic Surgery, KGMU, Lucknow, 11<sup>th</sup> -12<sup>th</sup> May 2018.
2. ISOICON 2018, 25th Annual Conference of Oral Implantologists at Clarks Amer, Jaipur, 28<sup>th</sup> to 30<sup>th</sup> Sep 2018.
3. 1st AIIMS Orthognathic Workshop, AIIMS Delhi, 25<sup>th</sup>-26<sup>th</sup> Nov 2018.
4. MIDCOMS 2019 at AIIMS Raipur from 28<sup>th</sup> Feb-2<sup>nd</sup> Mar 2019.
5. 4th ICDS at Kandy, Sri Lanka, 11<sup>th</sup> to 15<sup>th</sup> Dec 2018.

**Name of Faculty: Dr. Kirti Chaudhry**  
**Designation: Associate Professor**

**Sessions Chaired:**

1. Chaired Session in 5th Annual Conference of Delhi NCR state chapter AOMSI, 25<sup>th</sup> Aug 2018, ESI Delhi.

**Invited Lectures:**

1. Invited speaker in BLS Training workshop, IDA, 17<sup>th</sup> Feb 2019, Hisar, Haryana.
2. Invited lecture in AOMSI (Association of Maxillofacial Surgeons of India) Master Class, 28<sup>th</sup> - 31<sup>st</sup> Mar 2019, Faridabad.
3. Speaker in Vyas Dental College. 13<sup>th</sup> Feb 2019, Jodhpur.
4. Role of surgery in OSA: What does evidence say? Sleep Dentistry Workshop, 17-18<sup>th</sup> Nov 2018, AIIMS, Jodhpur.

**Resource Faculty:**

1. Airway assessment Table Clinic in "Sleep Dentistry Workshop 2018", 17<sup>th</sup> -18<sup>th</sup> Nov 2019, AIIMS Jodhpur.
2. Invited Speaker in BLS Training workshop, IDA, 17<sup>th</sup> Feb 2019, Hisar, Haryana
3. Guest Speaker in AOMSI (Association of Maxillofacial Surgeons of India) Master Class. 28<sup>th</sup> - 31<sup>st</sup> Mar 2019, Sudha Rastogi Dental College, Faridabad.
4. Overview of Maxillofacial Surgery at Vyas Dental College, 13<sup>th</sup> Feb 2019, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Metal analysis in Oral Carcinoma and Oral Submucous Fibrosis Patients. Funded by AIIMS Jodhpur.
2. Cephalometric Analysis in Obstructive Sleep Apnoea Patients.
3. Ethnic Dental age estimation: a dogma or reality?
4. Comparison of knowledge of Post Extraction Instructions and Risk factors between Dry socket and healthy socket patients: A cross sectional study.
5. Pain control during pulpectomy in Irreversible Pulpitis: A randomized parallel double blinded study.
6. Topical EMLA versus lignocaine for pain free small biopsies: A randomized open label parallel arm study.
7. Six assisted improvement in reducing time to emergency root canal therapy in outpatient department of Dentistry.

❖ **Completed:**

➤ **As Principal Investigator**

1. Ultrasonography and Color Doppler. An emerging diagnostic modality in surgical endodontics. Funded by AIIMS Jodhpur.

## Department of Dermatology, Venereology and Leprology

S.No.	Name	Designation
1.	Dr. Abhishek Bhardwaj	Additional Professor and Head
2.	Dr. Saurabh Singh	Assistant Professor
3.	Dr. Anil Budania	Assistant Professor
4.	Dr. Anupama Bains	Assistant Professor

### About the Department

The department of Dermatology, Venereology and Leprology, continues its journey to become a center for excellence in patient care, teaching and research.

During this year, the department saw the induction of Dr. Anupama Bains as Assistant Professor in December 2018. Thus, the departmental faculty strength increased to four.

Presently, the Department has 5 post graduates, undergoing their training. The PG teaching programme is comprehensive comprising of Seminars, Journal Club, SR classes, Dermatosurgery and Dermatopathology sessions, besides bed-side teaching and Grand rounds.

The Postgraduates have enhanced their knowledge by taking regular part in conferences, workshops and CME and winning accolades for the department. During the past 1 year, the PGs reached the finals of state PG quiz. Further, they won First and third prize in various competitions at the state conference. The 2<sup>nd</sup> year postgraduates also earned a travel grant of 15,000 rupees each to attend the National Conference, from IADVL. They worked with rigour and published 4 papers in various journals of repute.

As earlier years, our OPD continues to be one of the busiest in the hospital. Our focus is on providing care by practicing Evidence based Medicine.

The department fortifies undergraduate MBBS teaching program with lectures, clinical teaching, case-presentations and demonstrations. The department embraces innovation in medical teaching by taking part in UNCLE, Integrated teaching and Problem based learning sessions. With competency-based medical education becoming the buzzword, the department is prepared to participate in this tectonic shift in medical education.

To uphold the spirit of Research, the department is currently conducting multiple research projects. The impetus on research has yielded as many as 14 publications.

The department keeps community awareness at a high pedestal. In this regard, the department celebrated World skin health day, World Vitiligo day, World Psoriasis day and National Leprosy day with public awareness posters.

### Publications

#### Pubmed Indexed:

1. Pathania YS, Budania A. Acral hemorrhagic blisters induced by reviparin. Int J Dermatol. 2019; Mar 6. Doi: 10.1111/ijd.14406.



2. Bains A, Singh S, Dubey A, Rao M. Genitocrural plane-topped papules in a young female. *Indian J Dermatol*. 2018;63:527-9.
3. Bains A, Vedant D, Bhardwaj A, Elhence P. SkinIndia Quiz 48: Blistering and mottled pigmentation in a young male. *Indian Dermatol Online J*. 2018;9:467-8.
4. Bains A, Bagga N, Vedant D, Bhardwaj A, Nalwa A. A case of cutaneous horn arising in verrucous epidermal nevus. *Indian J Dermatol Venereol Leprol* 2019;85:74-5.
5. Bains A, Singh S. Congenital unilateral reticulate keratotic papules on the lower extremity. *Int J Dermatol*.2018;57(4):399-400.
6. Singh S, Singh A, Mallick SR, Arava S, Ramam M. Lichenoid Pseudovesicular papular Eruption on Nose (LiPEN): a papular facial dermatosis probably related to actinic lichen nitidus or micropapular polymorphous light eruption. *Indian J Dermatol Venereol Leprol* 2018
7. Mushtaq S, Singh S, Khera S, Bardia A. Pigmented nipple-like nodule on the neck. *Indian J Dermatol Venereol and Leprol* 2019;85:235.
8. Mushtaq S, Singh S, Mudugal R. Topical becaplermin gel is an effective adjuvant for long-standing ulcers of livedoid vasculopathy recalcitrant to anticoagulant therapy. *Clin Exp Dermatol* 2019;44:681-83.
9. Singh S, Beniwal R. Methotrexate induced eruptive lentiginosis in resolving psoriasis: a phenomenon possibly dependent on cytokine modulation. *Clin Exp Dermatol* 2019 March 22.
10. Rajan BM, Singh S. Utility of platelet rich fibrin gel therapy in non-healing ulcer secondary to ecthyma gangrenosum. *Dermatol Ther*. 2019 May;32(3):e12887.
11. Khera D, Singh S, Gupta P. Hypomelanosis of Ito: Streaks and Whorls. *BMJ Case Rep*. 2019;12:pil: e227693

**Non-Pubmed Indexed:**

1. Bhardwaj A, Rajan MB, Mudugal R. Tinea pseudoimbricata. *Ann Natl Acad Med Sci (India)*.2018; 54(1):62-63.
2. Bains A, Tegta G R, Vedant D. A cross-sectional study of cutaneous changes in patients with acquired thyroid disorders. *Clin Dermatol Rev* 2019;3:72-7.

**Name of Faculty: Dr. Abhishek Bhardwaj**  
**Designation: Additional Professor and Head**

**Books/Chapters**

1. Bhardwaj A. Sexually transmitted infections. In: Sardana K, Ailawadi P. Textbook of dermatology and sexually transmitted diseases with HIV infections.1st ed. New Delhi. CBS Publishers and Distributors;2018. 444-461.

**Sessions Chaired:**

1. Chaired a session at CUTICON Rajasthan on 29th-31st October 2018 at Jaipur.

**Symposium Speaker**

1. Moderated panel discussion on, "Focus on Therapeutic and Management issues in Leprosy" in a "Sensitization workshop on Leprosy and Rehabilitation" on 24th June 2018 at Sahyog Kushthayagna trust, Rajendranagar, Himmatnagar-Udaipur highway (Gujarat).
2. Panelist on session, "Role of invitro allergy test in dermatology" at 8<sup>th</sup> CODFICON (Annual conference of Contact & Occupational Dermatoses Forum of India) on 20<sup>th</sup> September, 2018 at Jaipur.

**Resource Faculty:**

1. Resource Faculty in Joint Leadership conclave 2018, 2-day leadership conclave on Health technologies on 3rd-4th December 2018, at AIIMS Jodhpur.

**Research Project:****➤ Chief Investigator:**

1. Correlation of cutaneous hyperandrogenism with Anti Mullerian Hormone levels and polycystic ovarian morphology (PCOM) in females.(INTRA MURAL) (continuing)

**➤ Co-Investigator:**

1. Prevalence, diagnosis & treatment outcome of non-tuberculous Mycobacteria in India: A multicentre project (EXTRA MURAL)
2. Awareness about HPV vaccination among medical and nursing students in a regional institute of western Rajasthan: a student research project.(completed)
3. Flipping to Empower Adolescents for Sexual and Reproductive Health (EXTRA MURAL) (continuing)
4. A Spectrum of sexual & reproductive health problems in adolescent females in western Rajasthan: a prospective study.

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

1. Member of Special Interest group (SIG) "Leprosy" & "Community Dermatology" of Indian Association of Dermatologists, Venereologists & Leprologists (IADVL).
2. Reviewer for, "Indian Dermatology Online Journal, Indian Journal of Clinical Dermatology & Annals of National Academy of Medical Sciences".

**National/ International Conferences attended:**

1. 1.Sensitization workshop on Leprosy and Rehabilitation on 24th June 2018 at Sahyog Kushthayagna trust, Rajendranagar, Himmatnagar-Udaipur highway (Gujarat)
2. 2.CME & Interactive programme on sexual medicine on 29th September 2018 at Dr. SN Medical College, Jodhpur
3. 3.CUTICON Rajasthan on 29th-31st October 2018 at Jaipur
4. Joint Leadership conclave 2018, 2-day leadership conclave on Health technologies on 3rd-4th December 2018, at AIIMS Jodhpur.
5. CME on common sexual problems and solution on 3<sup>rd</sup> Feb 2019 at Dr. SN Medical College, Jodhpur

**Name of Faculty: Dr. Saurabh Singh****Designation: Assistant Professor****Paper presented:**

1. Saurabh Singh, Abhishek Bhardwaj, Om Lata Bhagat, Purvi Purohit. Correlation of cardiovascular autonomic function, peripheral vascular endothelial function and quality of life with disease severity in primary hyperhidrosis. Continental Congress of Dermatology, 16 to 18 Nov 2018, International Convention Centre, Taipei City (Taiwan).

**Lecture invitations:**

1. Speaker on 'Update on Vitiligo Surgery' at Dermatosurgery workshop held under IADVLSIG Dermatosurgery, 8<sup>th</sup> April 2018, Udaipur.
2. Speaker on 'Invisible Dermatoses' at Basic Dermatopathology Workshop cum CME held under IADVLSIG Dermatopathology and Dermatopathology Society of India, 17 June 2018, at Apollo Hospital, Hyderabad.
3. Panelist on 'Clinico-pathologic challenging cases' at the 5<sup>th</sup> DAAS Summit, 30<sup>th</sup> June 2018, Delhi.
4. Speaker on 'Intra-lesional Radiofrequency in dermatology' at ACSIZONE South, held on 16 September 2018, at Kamineni Hospital, Hyderabad.
5. Workshop Faculty, on Lab Procedures in STI, at ASTICON 2018, Delhi Oct 2018
6. Speaker on Tips and Tricks in Dermatosurgery, at CUTICON Rajasthan, Jaipur Oct 2018.

**Resource Faculty:**

1. Lab Procedures in STI, at ASTICON 2018, Delhi Oct 2018

**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. **Funded (intramural):** Results analyzed, manuscript under preparation
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.** Project over, results being analyzed.

**➤ As Co-Investigator**

1. Study of epidemiological factors and culture characteristics of cutaneous dermatophytic infections

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

1. Convener of Dermatopathology Special Interest Group of Indian Association of Dermatologists, Venereologists and Leprologists.
2. Reviewer for International Journal of Dermatology, Wiley Publishers.
3. Member of academic committee, Association of Cutaneous Surgeons of India.

**National/ International Conferences attended:**

1. Dermatosurgery workshop held under IADVL-SIG Dermatosurgery, 8<sup>th</sup> April 2018, Udaipur.
2. Basic Dermatopathology Workshop cum CME held under IADVL-SIG Dermatopathology and Dermatopathology Society of India, 17 June 2018, at Apollo Hospital, Hyderabad.
3. 5<sup>th</sup> DAAS Summit, 30<sup>th</sup> June 2018, Delhi.
4. ACSIZONE South, held on 16 September 2018, at Kamineni Hospital, Hyderabad.
5. ASTICON 2018, Delhi Oct 2018
6. CUTICON Rajasthan, Jaipur Oct 2018
7. Continental Congress of Dermatology, Taipei city, Taiwan, Nov 2018.

**Name of Faculty: Dr. Anil Budania**

**Designation: Assistant Professor**

**Symposium Speaker**

1. Psoriasis: natural approach is the need of the hour. Periodic symposium by Marwar Dermatology Society. 02/06/2018. 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. Intramural research project.

**National/ International Conferences attended:**

1. Good clinical practice : Current regulatory and ethical requirements for conducting clinical trials/ research in India. CDSI. AIIMS Jodhpur. 04/08/2019- 05/08/2019.
2. Rheumatic diseases & Skin". Niramaya Health Care. Jaipur. 12/08/2018.
3. Common sexual problems & solutions. Dept of Dermatology and Psychiatry. SN medical college Jodhpur. 03/02/2019
4. Regional DSI-IDS Dermoscopy Summit. Dept of Dermatology. SN Medical college Jodhpur. 17/02/2019

**Name of Faculty: Dr. Anupama Bains**

**Designation: Assistant Professor**

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

1. Reviewer for "Indian Dermatology Online Journal"

**National/ International Conferences attended:**

1. Cuticon 2018, 44<sup>th</sup> Annual Conference of IADVL (Pb, Chd & HP), Organized by Himachal Pradesh Dermatology Society at Kangra, H.P. on 6<sup>th</sup>, 7<sup>th</sup> October 2018.
2. CME on common sexual problems and solution on 3<sup>rd</sup> Feb 2019 at Dr. SN Medical College, Jodhpur

**Any other information**

1. The regular IEC activities carried out by the department include the following:-



On World Skin Health Day



On World Psoriasis Day

## 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 Kumar Garg	Assistant 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 interventional set up comprises of 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. Cutting-edge, fully digital, multimodal technological resources are used to provide the various services. The department intends to become a paperless department with use of PACS system and online reporting by the end of 2019. The new advanced imaging techniques that have been added in the year 2018-19 include:

- Lung Perfusion
- Pancreatic Perfusion
- Liver Volumetry
- Dynamic imaging of the prostate
- Diffusion Tensor Imaging and Perfusion for brain tumors and
- 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):an active and robust mechanical thrombectomy programme for treatment of AIS makes AIIMS Jodhpur as the only AIIMS apart from AIIMS New Delhi where this life saving treatment is available. In Rajasthan, AIIMS Jodhpur is the only government set up where mechanical thrombectomy for acute stroke is being done.
- The past year has seen a significant increase in the number of cerebral arterio-venous malformations being treated by endovascular route in the department.
- Three cases of aortic stent grafting were done successfully in the past year in association with department of Cardio Thoracic Vascular Surgery department.
- Cases of endovenous laser ablation have increased exponentially.

- 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(Trans arterial chemo embolization) for hepatocellular carcinomas, interventions for portal hypertension namely TIPS(Trans jugular intra hepatic porto-systemic shunt) and BROTO(balloon occluded transvenous obliteration for gastric varices),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, proposals for fellowship in Neuroradiology and B.Sc (Radiography) have been approved.This is in addition to the ongoing course namely MD Radiology and the Post-doctoral fellowship courses in Neuro & vascular intervention, abdominal radiology and thoracic radiology.

The 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. This enables the fellows and residents to be well versed with clinical management of the patients.

Multidisciplinary conferences and meetings are conducted daily for better and comprehensive management of the patients with various clinical departments.

#### **Compiled list of Publications of the department:**

##### **Pubmed Indexed:**

1. Khera D, Bhatnagar A, Khera PS, Kumar P. Percutaneous Sclerotherapy of Superficial Vascular Malformation Leading to Bleomycin Induced Lung Injury and Lipoid Pneumonia. The Indian Journal of Pediatrics. 2019 Jan 1; 86(1):97-8.
2. Khera D, Elhence P, Khera PS. An unusual cause of lymphadenopathy in a child. BMJ Case Reports CP. 2019 Jul 1; 12(7):e230436.
3. Sureka B, Yadav K, Choudhary GR, Garg PK, Khera PS. Teardrop sign. Abdominal Radiology. 2019 Feb 19:1
4. Sureka B, Meena V, Garg P, Yadav T, Khera PS. Computed tomography imaging of ovarian peritoneal carcinomatosis: a pictorial review. Polish journal of radiology. 2018; 83:e500.
5. Sureka B, Yadav T, Khera PS. Differential Diagnoses of Calcified Liver Lesions. American journal of roentgenology. 2019 Jan; 212(1):W20.
6. Sureka B, Yadav K, Garg PK, Khera PS. Moustache sign. Abdominal Radiology. 2019 1;44(4):1629-30.
7. Varshney VK, Rao M, Soni SC, Sureka B. Synchronous Adeno-squamous Carcinoma of Gallbladder and Adenocarcinoma of Common Bile Duct: Twin Trouble. Journal of gastrointestinal cancer. 2018 Nov 6:1-4.
8. Sureka B, Sullere A, Khera PS. CT Quadrate Lobe Hot Spot Sign. Middle East Journal of Digestive Diseases (MEJDD). 2018 Jun 1;10(3):192-3.
9. Varshney VK, Bharti JN, Sureka B, Soni SC. Gallbladder Carcinosarcoma with Mirizzi Syndrome: a Rare Presentation. Journal of gastrointestinal cancer. 2018 Sep 4:1-4.
10. Sureka B, Rastogi A, Mukund A, Sarin SK. False-positive 18F fluorodeoxyglucose positron emission tomography-avid benign hepatic tumor: Previously unreported in a male patient. The Indian journal of radiology & imaging. 2018 Apr; 28(2):200.

11. Sureka B, Meena V, Choudhary G, Khera P. Beaded pulmonary artery sign. Lung India. 2018 Jul 1;35(4).
12. Borle DP, Pamecha V, Bharathy KG, Sasturkar SV, Sinha PK, Patidar Y, Sureka B, Laroia ST. Explant portal vein for reconstructing middle hepatic vein in right lobe living donor liver transplantation-outcome analysis. HPB. 2018 Dec 1; 20(12):1137-44.
13. Sureka B, Rastogi A, Mukund A, Thapar S, Bhadoria AS, Chattopadhyay TK. Gangrenous cholecystitis: Analysis of imaging findings in histopathologically confirmed cases. The Indian journal of radiology & imaging. 2018;28(1):49.
14. Sureka B, Garg P, Khera PS. Seven C's of Effective Communication. American Journal of Roentgenology. 2018 May; 210(5):W243.
15. Marchegiani G, Todaro V, Boninsegna E, Negrelli R, Sureka B, Bonamini D, Salvia R, Manfredi R, Mucelli RP, Bassi C. Surgery after FOLFIRINOX treatment for locally advanced and borderline resectable pancreatic cancer: increase in tumour attenuation on CT correlates with R0 resection. European radiology. 2018 Oct 1; 28(10):4265-73.
16. Rajesh S, Mukund A, Sureka B, Bansal K, Ronot M, Arora A. Non-cirrhotic portal hypertension: an imaging review. Abdominal Radiology. 2018 Aug 1; 43(8):1991-2010.
17. Sureka B, Mittal A, Mittal MK, Agarwal K, Sinha M, Thukral BB. Morphometric analysis of cervical spinal canal diameter, transverse foramen, and pedicle width using computed tomography in Indian population. Neurology India. 2018 1; 66(2):454.
18. Sureka B, Khera PS. Radiologic classification and imaging features of renal angiomyolipomas according to the amount of fat. American Journal of Roentgenology. 2018; 210(3):W136.
19. 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 Reports Journal. 2019 Mar 1;6(3):1-5.
20. Shaikh M, Garg M, Sharma P, Khera P S, MRI evaluation of Kimura's disease with emphasis on diffusion weighted imaging and enhancement characteristics, Indian Journal of Radiology and Imaging January 2019;29:215-8
21. Pathak M, Saxena R, Jayakumar TK, Sinha A, Yadav T. An Unusual Case of Choledochal Cyst. European journal of pediatric surgery reports. 2018;6(01):e83-6.
22. Preethish-Kumar V, Vengalil S, Tiwari S, Polavarapu K, Netravathi M, Ramalingaiah AH, Nalini A. Ventral longitudinal intraspinal fluid collection: Rare presentation as brachial amyotrophy and intracranial hypotension. The journal of spinal cord medicine. 2019 Jan 2; 42(1):45-50.

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

1. Rajagopal R, Khera PS, Garg PK. Medical Students and Interventional Radiology: Miles to Go. Journal of Clinical Interventional Radiology ISVIR. 2018 Dec;2(03):206-.
2. Gautam P, Rao M, Gothwal M, Garg PK, Bhattacharya S. Sertoli-leydig cell tumor of ovary: A rare case report with heterologous elements and focal marked anaplasia. International Journal of Applied and Basic Medical Research. 2019 Jan;9(1):62.
3. Aneja J, Suthar N, Bohra GK, Garg P. Human immunodeficiency virus-associated neurocognitive disorder masquerading as psychiatric illness. International Journal of Advanced Medical and Health Research. 2018 Jul 1;5(2):71.
4. Deora S, Garg P. A case of infective pulmonary endarteritis in a young male. Journal of Clinical and Diagnostic Research 2018 Sep, Vol-12(9): OJ01-OJ02



5. Gothwal M, Nalwa A, Yadav G, Lodha M, Singh P, Garg P. Laparoscopic management of giant ovarian cyst in young woman: a case report. International Journal of Reproduction, Contraception, Obstetrics and Gynecology 2018 Apr;7(4): 1660-1662
6. 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 Jan 1;10(1):64.
7. Varshney VK, Soni SC, Yadav T, Puranik A, Elhence P. Amebic colonic stricture: An unusual presentation. Tropical parasitology. 2018 Jul;8(2):98.

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

1. CT refresher course for residents and technologists. Department of Diagnostic and Interventional Radiology at AIIMS, Jodhpur on 8<sup>th</sup> December 2018.

#### **Eminent Visitors:**

1. Professor Sanjiv Sharma, Head, Department of Cardiovascular imaging and Endovascular Interventions, AIIMS, New Delhi
2. Dr. Vivek Gupta, Professor, Department of Radio diagnosis (Division of Neuroradiology) visited the Institute as a guest faculty in May 2018.



Session in Progress



Lecture during the session

**Name of Faculty: Dr. Pushpinder S. Khera**  
**Designation: Additional Professor & Head**

**Book chapter:**

1. Khera P S. Interventions in Portal Hypertension. In: Gastro interventional Radiology: DOI: 10.1007/978-3-319-91316-2\_7

**Papers Presented:**

1. Garg P K, Khera P S, Tiwari S, Yadav T, Sureka B, Transbrachial Access an Underutilized Approach by Interventional Radiologist at 21<sup>st</sup> National conference by ISVIR; from 7-10 March, Goa
2. Khera P S, Garg P K, Yadav T, Sureka B, Carotico-cavernous fistulae: From diagnosis to treatment at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
3. Garg P K, Khera P S, Chaurasia K, Yadav T, Sureka B, Case of Aggressive Vertebral Hemangioma managed by combined endovascular and percutaneous method at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
4. Kotwal A, Garg P K, Khera P S, Yadav T, Sureka B, Right sided aortic arch leading to difficult diagnostic cerebral angiography" E poster at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai

**Invited lectures:**

1. Vascular Interventions: Basics and Potpourri of interesting cases, Delhi Imaging update; 17<sup>th</sup> Feb 2019, New Delhi
2. BRTO - My basic technique, Annual conference of Indian Society of Vascular and Interventional Radiology (ISVIR); 9<sup>th</sup> March 2019, Goa

3. Invasive brain biopsy:role of Neuroradiologist, Annual conference of Indian Society of Neurology Radiology(ISVIR); 29<sup>th</sup> Sept 2019, Raipur
4. Attended short term training in stroke interventions, Dec 16<sup>th</sup>-Dec 29<sup>th</sup>, 2019; Bach Mai Hospital, Vietnam

**Sessions Chaired:**

1. 20th Annual conference of the Indian Society of Neuroradiology (ISNR), 30th Oct 2019, New Delhi.

**Research Project:**

❖ **Completed:**

➤ **As Principal Investigator**

1. Efficacy of endovenous laser ablation and radio-frequency ablation for treatment of varicose veins, Intramural Project

**Examinership**

1. MD Radiology thesis evaluation, University of Delhi, June 2018.
2. Expert for finalizing specifications of radiology equipments for PMSSY-IV through HLL.
3. Expert for preparation of question bank for Radiology for National Board of Examinations.

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

1. Corresponding member of European Society of Radiology (ESR)
2. Annual membership of Cardiovascular and Interventional Society of Europe (CIRSE).

**National/ International Conferences attended:**

1. 21<sup>st</sup> National conference of ISVIR at Goa 7-10 March 2019.
2. Annual conference of STNI, Mumbai 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018.
3. RadAspire organized by Department of Radiodiagnosis, Dr S N Medical college Jodhpur on 20<sup>th</sup> May 2018
4. IR Primer on Basics of DSA, Sclerotherapy & Embolization at AIIMS New Delhi on 14-15<sup>th</sup> April 2018.

**Name of Faculty: Dr. Binit Sureka**

**Designation: Associate Professor**

**Papers Presented:**

**National:**

1. Sureka B, Khera PS, Garg P, Yadav T, Varshney V, Choudhary R, Elhence P. Presented Poster titled Cystic lesions of liver: to treat or to observe? at the 72nd Annual Conference of Indian Radiological & Imaging Association, 17-20 January 2019, PGIMER Chandigarh
2. Sharma N, Binit Sureka, Khera PS, Garg P, Yadav T. Presented Poster titled Hepatic vein variations in 1000 patients at the 72nd Annual Conference of Indian Radiological & Imaging Association, 17-20 January 2019, PGIMER Chandigarh

3. Sharma N, Sureka B, Khera PS, Garg P, Yadav T, Chaurasia K, Varshney V, Choudhary R, Elhence P. Presented Poster titled Unwanted complications of pancreatitis at the 72nd Annual Conference of Indian Radiological & Imaging Association, 17-20 January 2019, PGIMER Chandigarh
4. Sharma N, Sureka B, Khera PS, Garg P, Yadav T, Varshney V. Presented Poster titled The Cholangiopathies – diseases of the biliary tract at the 72nd Annual Conference of Indian Radiological & Imaging Association, 17-20 January 2019, PGIMER Chandigarh

#### **International:**

1. Sureka B, Khera PS, Garg P, Yadav T, Varshney V, S Soni, R Chaudhary, G Bohra, Elhence P. Presented poster titled Clinico-radiological appraisal of uncommon types and causes of pancreatitis at European Society of Gastrointestinal & Abdominal Radiology (ESGAR), 12th-15th June 2018, Dublin, Ireland
2. Sureka B, Khera PS, Garg P, Yadav T, Elhence P. Presented poster titled CT imaging of hypodense splenic lesions at European Society of Gastrointestinal & Abdominal Radiology, 12th-15th June 2018, Dublin Ireland
3. Sureka B, Khera PS, Garg P, Yadav T, Varshney V, S Soni, Elhence P. Presented poster titled Pancreatic masses with calcification and necrosis (dual morphology) at European Society of Gastrointestinal & Abdominal Radiology, 12th-15th June 2018, Dublin Ireland
4. Sureka B, Khera PS, Garg P, Yadav T, A Mukund, Varshney V, S Soni, Elhence P. Presented poster titled Pancreatic Incidentalomas at European Society of Gastrointestinal & Abdominal Radiology, 12th-15th June 2018, Dublin Ireland

#### **Sessions Chaired:**

1. Pediatric renal lesions, at ISPR, 30th March-1st April 2018, Udaipur
2. Film Reading session at Asian Oceanic Society of Pediatric Radiology (AOSPR), 14<sup>th</sup>-17<sup>th</sup> September 2018, PGIMER Chandigarh

#### **Invited Lectures**

1. Ductal plate malformations at ISPR, 30<sup>th</sup> March-1<sup>st</sup> April 2018, Udaipur
2. Pancreatic pathologies and conduct film reading session, 15<sup>th</sup> July 2018, at Jaipur State Chapter one day CME
3. Film Reading session at Asian Oceanic Society of Pediatric Radiology (AOSPR), 14<sup>th</sup>-17<sup>th</sup> September 2018 PGIMER, Chandigarh
4. Cystic liver lesions at Indian Society of gastrointestinal & Abdominal Radiology, 28<sup>th</sup>-30<sup>th</sup> September 2018, New Delhi
5. Invited as faculty at Interventional Radiology Outreach Programme, S N Medical College, 13<sup>th</sup>-14<sup>th</sup> October 2018, Jodhpur
6. Pancreatic pathologies at National Indian Radiological & Imaging Association Conference, 17<sup>th</sup>-20<sup>th</sup> January 2019, PGIMER, Chandigarh
7. Invited as faculty and mentor at the International Society of Magnetic Resonance in Medicine Accessible MRI Workshop, 29<sup>th</sup>-31<sup>st</sup> March 2019, New Delhi

**Resource Faculty:**

1. Resource faculty at Asian Oceanic Society of Pediatric Radiology (AOSPR), 14<sup>th</sup>-17<sup>th</sup> September 2018, PGIMER Chandigarh
2. Resource faculty and mentor at the International Society of Magnetic Resonance in Medicine (ISMRM) Accessible MRI Workshop, 29<sup>th</sup>-31<sup>st</sup> March 2019, New Delhi

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

1. Hepatic vein variations on CT: surgical and radiological implications
2. Pancreatic head and neck variations: evaluation with MDCT
3. Pancreatic body and tail variations: evaluation with MDCT

**➤ As Co-Investigator**

1. To study the pancreatobiliary junction anomalies in patients with carcinoma gallbladder
2. To evaluate the USG based thickness of masseter muscle in OSMF

**❖ Completed:****➤ As Principal Investigator**

1. Hepatic vein variations on CT: surgical and radiological implications.

**Scientific Awards/Patents**

1. Editor's award for best reviewer for Indian Journal of Radiology & Imaging at the National Indian Radiological & Imaging Association (IRIA) Conference at PGIMER, Chandigarh, 17<sup>th</sup> -20<sup>th</sup> January 2019
2. Awarded Honorary Fellowship Abdominal Radiology by the European Society of Gastrointestinal & Abdominal Radiology (ESGAR), Vienna 14<sup>th</sup> June 2018
3. Awarded Korean Society of Radiology (KSR) International Fellowship for two months' scholarship training at Seoul National University Hospital, 17<sup>th</sup> October 2018
4. Recommended poster award for splenic lesions at European Society of Gastrointestinal & Abdominal Radiology, Dublin Ireland, 12<sup>th</sup>-15<sup>th</sup> June 2018
5. Honoured by the Shree Agrasen Vikas trust of Jaipur for contribution to the society December 2018

**Examinership**

1. MD Radiodiagnosis thesis evaluation at RNT Medical college, Udaipur, 22<sup>nd</sup> - 23<sup>rd</sup> March 2019

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

1. Associate Editor, Indian Journal of Radiology & Imaging
2. Corresponding Fellow of European Society of Gastrointestinal & Abdominal Radiology (ESGAR), Vienna
3. Editor for Newsletter of Indian Society of Pediatric Radiology

**National/ International Conferences attended:**

1. Mid-Term CME Indian Society of Pediatric Radiology (ISPR), Udaipur 30<sup>th</sup> March-1<sup>st</sup> April 2018
2. Jaipur State Chapter one day CME 15<sup>th</sup> July 2018
3. Asian Oceanic Society of Pediatric Radiology (AOSPR) at PGIMER Chandigarh, 14<sup>th</sup>-17<sup>th</sup> September 2018
4. Indian Society of Gastrointestinal & Abdominal Radiology, New Delhi 28<sup>th</sup> - 30<sup>th</sup> September 2018
5. Interventional Radiology Outreach Programme, SN Medical College, 13<sup>th</sup> - 14<sup>th</sup> October 2018
6. National Indian Radiological & Imaging Association Conference at PGIMER, Chandigarh, 17<sup>th</sup> - 20<sup>th</sup> January 2019
7. International Society of Magnetic Resonance in Medicine Accessible MRI Workshop New Delhi 29<sup>th</sup> - 31<sup>st</sup> March 2019

**Name of Faculty: Dr. Pawan K Garg**

**Designation: Assistant Professor**

**Papers Presented:**

1. Garg P K, Khera P S, Tiwari S, Yadav T, Sureka B, Transbrachial Access an Underutilized Approach by Interventional Radiologist at 21<sup>st</sup> National conference by ISVIR from 7-10 March at Goa
2. Khera P S, Garg P K, Yadav T, Sureka B, Carotico-cavernous fistulae: From diagnosis to treatment at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
3. Garg P K, Khera P S, Chaurasia K, Yadav T, Sureka B, Case of Aggressive Vertebral Hemangioma managed by combined endovascular and percutaneous method at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
4. Kotwal A, Garg P K, Khera P S, Yadav T, Sureka B, Right sided aortic arch leading to difficult diagnostic cerebral angiography” E poster at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai

**Sessions Chaired:**

1. Panelist in Endovascular live (EVL) from 7<sup>th</sup> – 9<sup>th</sup> Feb 2019 at Delhi

**Invited Lectures**

1. CT protocols for BTA – how I do it, at 5th Annual Conference of Society for Emergency Radiology (SERCON 2018)”, 2<sup>nd</sup>-4<sup>th</sup> November, Hyderabad
2. “Interventions in Peripheral Arterial Disease” at Interventional Radiology Outreach Programme, , 14<sup>th</sup> Oct 2018, Dr S N Medical College, Jodhpur
3. “Ultrasound Guided Interventions: Basics to Advances” at 26<sup>th</sup> Rajasthan state conference by IRIA, 29-30 Sept 2018, Bhilwara
4. “Basic on CT Coronary Angiography” at RadAspire organized by Department of Radiodiagnosis, 20<sup>th</sup> May 2018, Dr S N Medical college, Jodhpur

**Resource Faculty:**

1. Workshop on Angio Simulator–Peripheral Arterial Disease in 5th Annual Conference of Society for Emergency Radiology (SERCON 2018), 2nd-4th November, Hyderabad
2. Workshop on FNAC and Biopsy in IR Primer on Basics of DSA, Sclerotherapy & Embolization, 14-15th April 2018, AIIMS New Delhi

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Study of testicular blood flow after laparoscopic and open hernia surgery; Intramural Project AIIMS Jodhpur.
2. Correlation of circulating endothelial progenitor cells with endothelial function in cases with Metabolic Syndrome; Intramural Project AIIMS Jodhpur.

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

1. Corresponding member of European Society of Radiology (ESR)
2. Annual membership of Cardiovascular and Interventional Society of Europe (CIRSE).

**National/ International Conferences attended:**

1. Rajasthan Neurosciences Update 2019 at AIIMS Jodhpur on 23<sup>rd</sup> - 24<sup>th</sup> March 2019
2. 21<sup>st</sup> National conference by ISVIR at Goa from 7<sup>th</sup> - 10<sup>th</sup> March 2019
3. Endovascular live at Delhi from 7<sup>th</sup> - 9<sup>th</sup> Feb 2019
4. Annual conference of STNI 2018, at Mumbai, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018.
5. 5th Annual Conference of Society for Emergency Radiology (SERCON 2018) at Hyderabad on 2<sup>nd</sup> – 4<sup>th</sup> November
6. Interventional Radiology Outreach Programme held at Dr S N Medical College on 13<sup>th</sup> -14<sup>th</sup> Oct 2018
7. 26<sup>th</sup> Rajasthan state conference by IRIA at Bhilwara on 29<sup>th</sup> - 30<sup>th</sup> Sept 2018.
8. RadAspire organized by Department of Radiodiagnosis, Dr S N Medical college on 20<sup>th</sup> May 2018
9. IR Primer on Basics of DSA, Sclerotherapy & Embolization at AIIMS New Delhi on 14<sup>th</sup> -15<sup>th</sup> April 2018.

**Name of Faculty: Dr. Taruna Yadav**

**Designation: Assistant Professor**

**Papers Presented:**

1. Garg P K, Khera P S, Tiwari S, Yadav T, Sureka B, Transbrachial Access an Underutilized Approach by Interventional Radiologist at 21<sup>st</sup> National conference by ISVIR from 7<sup>th</sup> – 10<sup>th</sup> March at Goa

2. Khera P S, Garg P K, Yadav T, Sureka B, Carotico-cavernous fistulae: From diagnosis to treatment at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
3. Garg P K, Khera P S, Chaurasia K, Yadav T, Sureka B, Case of Aggressive Vertebral Hemangioma managed by combined endovascular and percutaneous method at STNI 2018, 28<sup>th</sup> Nov-2<sup>nd</sup> Dec 2018, Mumbai
4. Kotwal A, Garg P K, Khera P S, Yadav T, Sureka B, Right sided aortic arch leading to difficult diagnostic cerebral angiography” E poster at STNI 2018, 28<sup>th</sup> Nov - 2<sup>nd</sup> Dec 2018, Mumbai
5. Rathod K, Jadhav A, Yadav T Laparoscopic Median sacral artery ligation in a case of sacrococcygeal teratoma, in pediatric surgery conference, 2018
6. Yadav T, Khera P S, Garg P K, Sureka B, Congenital fibrocystic liver diseases: making it easy for the Pediatric radiologist!! Educational exhibits at 18th Annual Meeting of AOSPR with 16th Annual Meeting of ISPR, Sept 14<sup>th</sup> – 16<sup>th</sup> ,2018, PGIMER, Chandigarh
7. Yadav T, Khera P S, Garg P K, Sureka B, Variety is the spice of life – Dare to be different!! Educational exhibits at 18th Annual Meeting of AOSPR with 16th Annual Meeting of ISPR, Sept 14<sup>th</sup> - 16<sup>th</sup> ,2018, PGIMER, Chandigarh
8. Yadav T, Khera P S, Garg P K, Sureka B, Multifaceted imaging in the diagnosis of Congenital Lung lesions.Educational exhibits at 18th Annual Meeting of AOSPR with 16th Annual Meeting of ISPR, Sept 14<sup>th</sup> – 16<sup>th</sup> ,2018, PGIMER, Chandigarh.
9. Yadav T, Khera P S, Garg P K, Sureka B, A stitch in time saves nine: Role of imaging in Paediatric CNS infections Educational exhibits at 18th Annual Meeting of AOSPR with 16th Annual Meeting of ISPR, Sept 14<sup>th</sup> - 16<sup>th</sup> ,2018, PGIMER, Chandigarh
10. Role of Arterial Spin Labelling (ASL) and MR venography techniques as a diagnostic tool for Cerebral Venous Thrombosis at Delhi imaging update, Jan 2019, Delhi

### Invited Lectures

1. Invited as faculty to deliver lecture on “Imaging in pneumonia”, at ICMR-AIIMS Jodhpur CME on community acquired pneumonia in children on 23<sup>rd</sup> June, 2018 at AIIMS, Jodhpur.

### Research Project:

#### ❖ Ongoing:

#### ➤ Chief Investigator:

1. Celiac trunk and superior mesenteric artery (SMA) variations on CT: surgical and radiological implications
2. Portal vein variations on CT: surgical and radiological implications

#### ➤ 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 of Indian Society of Pediatric Radiology (ISPR)
2. Corresponding member of European Society of Radiology (ESR)
3. Corresponding member of Korean society of radiology (KSR).

**National/ International Conferences attended:**

1. RadAspire organized by Department of Radiodiagnosis, Dr S N Medical college on 20<sup>th</sup> May 2018

**Name of Faculty: Dr. Sarbesh Tiwari**  
**Designation: Assistant Professor.**

**Sessions Chaired:**

1. Endovascular Live (EVL) 2019, 7<sup>th</sup> Feb 2019, Delhi.

**Invited Lectures**

1. Radiology in airway abnormality, Airway update for residents.15<sup>th</sup> - 16<sup>th</sup> March 2019, AIIMS, Jodhpur.

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

1. Membership of European society of Neuroradiology
2. Membership of American society of Neuroradiology

**National/ International Conferences attended:**

1. Airway Update for Residents, organized by Department of ENT–Otorhinolaryngology, AIIMS-Jodhpur, 15<sup>th</sup> - 16<sup>th</sup> March 2019
2. Rajasthan Neurosciences Update, organized by Department of Neurosurgery, AIIMS–Jodhpur, 23<sup>rd</sup> – 24<sup>th</sup> March 2019

## Department of Endocrinology & Metabolism

S.No.	Name	Designation
1	Dr. Ravindra Shukla	Assistant Professor

### About The Department:

Department of Endocrinology and Metabolism started in May 2016 as referral centre for Diabetes, 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, development and sexual differentiation, pituitary disorders, and other metabolic syndromic diseases.

The Department runs Diabetes clinic with comprehensive management of Diabetes Mellitus on Monday, Tuesday, Wednesday and Friday. On Thursday, patients of Thyroid disorders are seen. The department runs Special Pituitary clinic every 2<sup>nd</sup> and 4<sup>th</sup> Wednesday (3 to 4 pm).

There is indoor facility where tests like, ODDEST, water deprivation test, Saline infusion tests, glucagon stimulation test, Growth hormone stimulation tests. 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 planning to start Bone metabolic 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 monthly Type 1 diabetes and young diabetes clinic, Obesity clinic.

### Publications:

#### Pubmed:

1. 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 Feb 15. doi: 10.1111/cen.13950
2. Marwaha RK, Garg MK, Sethuraman G, Gupta N, Mithal A, Dang N et al. Impact of three different daily doses of vitamin D3 supplementation in healthy school children and adolescents from North India: A single- blind prospective randomized clinical trial. Br J Nutr. 2019 Mar;121(5):538-548
3. Marwaha RK, Garg MK, Mithal A, Gupta S, Shukla M, Chadha A. Effect of vitamin D supplementation on bone turnover markers in children and adolescents from North India. Indian J Endocr Metab 2019;23:27-34.
4. 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. Shukla R, Basu AK, Mandal B, et al.  $11\beta$  Hydroxysteroid dehydrogenase - 1 activity in type 2 diabetes mellitus: a comparative study. *BMC Endocr Disord.* 2019;19(1):15.
7. Shukla R, Mishra D. Unsupervised “googling” improves glycemic control and QoL in type 1 diabetes patients *Ind J Endocrinol Metab.* 2018;22(Suppl 1): S17–S23

**Name of Faculty: Dr. Ravindra Shukla**

**Designation: Assistant Professor**

**Research Projects:**

1. Role of perforin in metabolic inflammation: A comparative study.
2. Clinico-biochemical profile profile of primary hypothyroidism in western rajasthan
3. Quality of life (QoL) in type 1 DM subjects
4. A case control study of circulating GDF-15, miRNAs (21, 181b) and PBMs Smad7 in obese pre-diabetics and type 2 diabetics (intra-mural)
5. Correlation of N-gal with degree of albuminuria in patients of Type Diabetes Mellitus
6. Magnesium supplementation in vitamin D deficiency
7. Role of circulating endothelial progenitor cells with endothelial function metabolic syndrome
8. A comparative evaluation of duloxetine and gabapentin in diabetic neuropathy: a randomized control trial
9. Study of Cardiovascular factor in young Diabetics Study on Autonomic Dysfunction in Young Diabetics
10. Correlation of Vitamin D levels with autonomic function in Type 2 diabetes mellitus patients

**International Conferences attended:**

1. 54th EASD Annual Meeting. 1-5 October 2018. Berlin, Germany
2. EASD Islet Study Group Workshop 5-7 October 2018 Potsdam, Germany
3. 18<sup>th</sup> International Congress of Endocrinology 1-4 December 2018 Cape Town South Africa

**National Conferences attended:**

1. 9<sup>th</sup> World Congress of Diabetes (Diabetes India 2019) Jaipur from 28<sup>th</sup> Feb – 03<sup>rd</sup> March 2019
2. Mid Term ESICON 24<sup>th</sup> March 2019 in UCMS, Delhi
3. Endocrine and Diabetes Update , Udaipur 14<sup>th</sup> - 15<sup>th</sup> JULY 2018

**Workshops/ Conferences Organized:**

1. Co- Organizing secretary National workshop on GCP 2018. 4<sup>th</sup> -5<sup>th</sup> August 2018, AIIMS Jodhpur
2. Hypoglycemia workshop: 9th World Congress of Diabetes (Diabetes India 2019) Jaipur from 28<sup>th</sup> Feb – 03<sup>rd</sup> March 2019

**Papers Presented:**

1. “Levothyroxin supplementation requires seasonal variation in primary hypothyroidism : retrospective data from tertiary care centre” presented at 18<sup>th</sup> International Congress of Endocrinology 1-4 December 2018 Cape Town South Africa

**Invited Lectures:**

1. Asian Indian phenotype and assessment of adiposity in clinical practice. 2nd National Symposium on “Metabolism and Molecular Medicine in General Practice”
2. Hypopituitarism: Diagnosis and Management simplified ENDOCRINE & DIABETES UPDATE 2018 Udaipur 14<sup>th</sup> - 15<sup>th</sup> JULY 2018
3. CGMS interpretation in clinical practice CARDIADIABETICON AIIMS Rishikesh 23-24<sup>th</sup> November 2018

**Symposium :**

1. Mid Term ESICON 24<sup>th</sup> March 2019 in UCMS, Delhi Chairperson : Sports Endocrinology Symposium

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

1. Member, Board of Studies (BoS) Endocrinology & Metabolism AIIMS Rishikesh
2. DM (Endocrinology) external Examiner panel , Meerut University

## Department of Forensic Medicine and Toxicology

S.No.	Name	Designation
1	Dr. Puneet Setia	Additional Professor & Head
2	Dr. Tanuj Kanchan	Associate 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 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, four postgraduates and one PhD are pursuing their respective courses in the department. The department is one of its kind where 20 days mandatory posting is present for 5<sup>th</sup> semester MBBS students (as part of clinical posting) and ten days mandatory posting is required by the interns to complete their internship. The mortuary complex is fully functional, and printed autopsy reports are generated utilizing the in-house software. The department also offers crime scene visits as and when required by the law agencies. The department also operates a Clinical Forensic unit in the Emergency and Trauma premises which runs on a 24x7 basis. Last year, 186 clinical medico-legal cases were dealt and 80 autopsies were conducted. 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 organized a unique National workshop, which was first of its kind, on human exhumation and examination of human skeletal remains. The National and International fora sincerely appreciated the workshop. The department has plans to setup Toxicology Lab, DNA Lab, Poison Information Centre & Forensic Anthropology Lab.

The department is making significant progress in the research field. At present, there are eleven intramural project going on in the department. Last year, 26 Pubmed indexed, and six non-Pubmed indexed articles were published by the faculty members of the department.

### Publications:

#### Pubmed Indexed:

1. Atreya A, Nepal S, Kanchan T. Awareness and Perceptions of Medical Students Towards Health Care Ethics - A Study from Nepal. Kathmandu Univ Med J. 2019;65(1):25-9.
2. Baryah N, Krishan K, Kanchan T. The development and status of forensic anthropology in India: A review of the literature and future directions. Med Sci Law. 2019 ;59(1):61-69.
3. Nirenberg MS, Ansert E, Krishan K, Kanchan T. Two-dimensional metric comparison between dynamic bare and sock-clad footprints for its forensic implications - A pilot study. Sci Justice. 2019 ;59(1):46-51.

4. Singh B, Krishan K, Kaur K, Kanchan T. Stature estimation from different combinations of foot measurements using linear and multiple regression analysis in a North Indian male population. *J Forensic Leg Med.* 2019 ;62:25-33.
5. Shedje R, Kanchan T. Cranial sutures and age estimation - A few reflections. *J Forensic Leg Med.* 2019 ;61:144.
6. Krishan K, Dehal N, Singh A, Kanchan T, Rishi P. "Getting to zero" HIV/AIDS requires effective addressing of HIV issues in LGBT community. *Clin Ter.* 2018 ;169(6):e269-e271.
7. GBD 2017 Risk Factor Collaborators. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 2018 10;392(10159):1923-1994.
8. GBD 2017 Disease and Injury Incidence and Prevalence Collaborators. Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 2018 10;392(10159):1789-1858.
9. GBD 2017 DALYs and HALE Collaborators. Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 2018 10;392(10159):1859-1922.
10. Mukhra R, Kaur T, Krishan K, Kanchan T. Overweight and Obesity: A major concern for health in India. *Clin Ter.* 2018 ;169(5):e199-e201.
11. Ateriya N, Saraf A, Kanchan T, Meshram VP, Singh Shekhawat R, Setia P. Filicide-suicide: An unusual variant of dyadic death. *Med Leg J.* 2019 ;87(1):44-46.
12. Saraf A, Ateriya N, Kanchan T, Meshram VP. Post mortem tryptase cut-off level: Significance of statistical considerations. *Forensic Sci Int.* 2018 ;289:e26.
13. Mukhra R, Krishan K, Kanchan T. Bare footprint metric analysis methods for comparison and identification in forensic examinations: A review of literature. *J Forensic Leg Med.* 2018 ;58:101-112.
14. Kaur P, Krishan K, Sharma SK, Kanchan T. Integrating a Profile of Frontal Face With Its Mirror Image for Facial Reconstruction. *J Craniofac Surg.* 2018;29(4):1026-1030.
15. Saraf A, Kanchan T, Krishan K, Ateriya N, Setia P. Estimation of stature from sternum - Exploring the quadratic models. *J Forensic Leg Med.* 2018 ;58:9-13
16. Kanchan T, Krishan K, Dehal N. Quality of medical education: Is our health in safe hands? *Indian J Med Ethics.* 2018;3(3):259.
17. Kumar PA, Kanchan T. Age estimation based on aspartic acid racemization in caries-affected teeth: need for further explorations. *Int J Legal Med.* 2018 Sep;132(5):1465.
18. Krishan K, Kanchan T, Singh B, Baryah N, Puri S. Germline Editing: Editors Cautionary. *Clin Ter.* 2018;169(2):e58-e59.
19. Kanchan T, Atreya A. Durethaemorrhage: An unusual finding in compression of neck structures. *J Forensic Leg Med.* 2018 ;55:74-75.
20. Atreya A, Kanchan T, Shah RK. Patient autonomy and doctor's concern - a case of intravenous drug abuser. *Med Leg J.* 2018 ;86(2):100-103.
21. Ateriya N, Kanchan T, Shekhawat RS, Setia P, Saraf A. Unplanned Complex Suicide-A Consideration of Multiple Methods. *J Forensic Sci.* 2018 ;63(3):945-946.

22. Shekhawat RS, Kanchan T, Setia P, Atreya A, Krishan K. Euthanasia: Global Scenario and Its Status in India. *SciEng Ethics*. 2018 ;24(2):349-360.
23. Dehal N, Krishan K, Kanchan T, Singh A. Mandatory Publications: An Approach to Kill 'Lack of Will' or 'Lack of Skill'? *SciEng Ethics*. 2018 ;24(2):773-777.
24. Ateriya N, Saraf A, Meshram V, Setia P. Telemedicine and virtual consultation: The Indian perspective. *Natl Med J India*. 2018;31(4):215
25. Ateriya N, Saraf A, Shekhawat R S, Meshram V P. The development of a post-mortem interval estimation for human remains found on land in the Netherlands, yet some facts need further exploration. *Int J Legal Med* .2019 ; 133(4):1147.

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

1. Singh B, Krishan K, Kaur K, Kanchan T. Estimation of body weight from the base of gait and the area swept in one stride—forensic implications. *Egyptian J Forensic Sci*. 2018;8:48.
2. Ateriya N, Saraf A, Kanchan T, Shekhawat RS. Dyadic death—an unusual case of post-mortem mutilation. *Egypt J Forensic Sci*. 2018; 8.
3. Kochar S, Dhanak K, Ingale S, Shekhawat RS. Developing Competency on Medico-Legal Report Writing: An Example-Based (News Item Based) Teaching Methodology. *Journal of Research in Medical Education & Ethics*. 2018; 8(si): 45-52.
4. Ateriya N, Saraf A, Shekhawat R S, Setia P, Kanchan T, Meshram V P. Right atrio-ventricular thrombus masquerading as myxoma. *J Indian Acad Forensic Med*. 2018;40(4):437-440.
5. Ateriya N, Saraf A, Meshram V P, Setia P, Kanchan T, Shekhawat R S. Medico-legal Audit: An essential yet ignored aspect of healthcare in India. *J Indian Acad Forensic Med*. 2019;41(1):53-56.
6. 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.

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

1. 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination-Forensic Anthropology Update 2019. Department of Forensic Medicine and Toxicology, AIIMS, Jodhpur, Jodhpur, 26-28th Mar 2019.

### **Hands-on Workshop on Human Remains Recovery: Exhumation to Examination March 26 to 28, 2019**

Department of Forensic Medicine and Toxicology, All India Institute of Medical Sciences, Jodhpur recently organized a three day “Hands-on Workshop on Human Remains Recovery: Exhumation to Examination” from 26<sup>th</sup> to 28<sup>th</sup> of March 2019. This workshop was first of its kind in South-East Asia region which was attended by around 50 participants from all over the country and abroad. The participants comprised of students and faculties from the field of Forensic Medicine, Forensic Science and Forensic Anthropology. The resource faculties for this workshop were called from India and Nepal who shared their vast experiences in exhumation techniques and examination of skeletal remains with the participants. The participants in this workshop were trained hands-on in surface mapping, evidence documentation and collection, and recovery and examination of buried remains.



**Name of Faculty: Dr. Puneet Setia**  
**Designation: Additional Professor & Head**

**Guest Faculty:**

1. Forensic science and forensic medicine, Nov 2018, Sardar Patel University of Police, Security and Criminal Justice, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Study of diatoms in human cadavers-An autopsy analysis. AIIMS, Jodhpur (Intramural project)

➤ **As Co-Investigator**

1. A study of histopathological changes in skin secondary to fatal electrocution in autopsy samples (Non-funded)

❖ **Completed:**

1. HMGB1 protein analysis- A novel approach in estimation of postmortem interval (Intra mural project)



### **Examinership**

1. MD. Forensic Medicine. Oral and Practical Examination. Hind Institute of Medical Sciences, Safedabad, Barabanki. 18<sup>th</sup>- 19<sup>th</sup> Aug 2018.
2. MBBS II Professional final examination. AIIMS Bhopal, 12<sup>th</sup>-15<sup>th</sup> Dec 2018.

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

1. Member, Scientific Committee. Indian Association Of Medico-Legal Experts (Regd), New Delhi

### **Paper Presented:**

1. Setia P, Sharma P, Purohit P, Shedge R, Shekhawat R.S. The use of high mobility group protein HMGB1 to determine time since death: An autopsy based study at 71<sup>st</sup> Annual scientific meeting AAFS. Baltimore, Maryland. 8<sup>th</sup>-23<sup>rd</sup> Feb 2019.

### **Session Chaired:**

1. Forensic Medicon 2019. 40<sup>th</sup> Annual national conference of the Indian Academy of Forensic Medicine held at Dr. S.N. Medical College, Jodhpur. 30<sup>th</sup> Jan- 2<sup>nd</sup> Feb 2019.

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

1. 71<sup>st</sup> Annual scientific meeting AAFS. Baltimore, Maryland. 8<sup>th</sup>-23<sup>rd</sup> Feb 2019.
2. Forensic anthropology update 2019. 1<sup>st</sup> hands on workshop on human remains recovery: exhumation to examination. AIIMS Jodhpur. 26<sup>th</sup>-28<sup>th</sup> Mar 2019.
3. CME on Major threats against medical professionals in recent scenario of increased litigation. Dr. S.N. Medical College, Jodhpur. 30<sup>th</sup> Jan 2019.
4. Forensic Medicon 2019. 40<sup>th</sup> Annual national conference of the Indian Academy of Forensic Medicine. Dr. S.N. Medical College, Jodhpur. 30<sup>th</sup> Jan- 2<sup>nd</sup> Feb 2019.

**Name of Faculty: Dr. Tanuj Kanchan**  
**Designation: Associate Professor**

### **Books/Chapters**

1. Sharma SK, Krishan K, Kanchan T. Descriptive Statistics. In: Varela SL (editor): The Encyclopedia of Archaeological Sciences, First edition, vol 1, pp. 451-459. Wiley Blackwell, 2018. [ISBN 978-0-470-67461-1]

### **Papers Presented:**

1. Kanchan T. Age estimation based on third molar development – A radiological investigation at the 103rd International Educational Conference of International Association for Identification (IAI) held at San Antonio, Texas, USA from Jul 29<sup>th</sup> to Aug 4<sup>th</sup>, 2018.
2. Kanchan T. Preserved ligature mark in postmortem decapitation at the 26th Annual Conference of Karnataka Medico Legal Society (KAMLSCON 2018) held at Kasturba Medical College, Manipal from 2<sup>nd</sup> to 4<sup>th</sup> Nov 2018.

**Sessions Chaired:**

1. 12th Annual Conference of the Indian Society of Toxicology (TOXOCON 12) at Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim from 6<sup>th</sup> to 7<sup>th</sup> Apr 2018.
2. 26th Annual Conference of Karnataka Medico Legal Society (KAMLSCON 2018) held at Kasturba Medical College, Manipal from 2<sup>nd</sup> to 4<sup>th</sup> Nov 2018.
3. 'Judge' for the 'PG Travel Awards' session during the 40th Annual Conference of the Indian Academy of Forensic Medicine (FORENSIC MEDICON 2019) at Dr SN Medical College, Jodhpur from Jan 30<sup>th</sup> to Feb 2<sup>th</sup>, 2019.

**Invited Lectures**

1. 'Establishing the identity of skeletal remains' in CME cum Workshop on 21<sup>st</sup> July, 2018 at Adesh Institute of Medical Sciences & Research, Bhatinda.
2. 'Medicolegal Autopsies – Our Experience at AIIMS, Jodhpur' in the Preconference CME of the 40th Annual National Conference of the Indian Academy of Forensic Medicine (FORENSIC MEDICON – 2019). Jan 30<sup>th</sup>, 2019 at Dr. SN Medical College, Jodhpur, India.
3. Invited Member of the Forensic Consultative Forum at the International Centre of Humanitarian Forensics. 25 and 26 Sep 2018 at GFSU, Gandhinagar.
4. 'Academic Ethics and Plagiarism' at Directorate of Human Resource Development, SK Rajasthan Agricultural University, Bikaner. 29 Dec, 2018.
5. 'Research ethics and scientific writing' at NITTE Gulabi Shetty Memorial Institute of Pharmaceutical Sciences, Mangaluru on 20<sup>th</sup> Mar, 2019.
6. 'Introduction to examination of skeletal remains' at the 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination at AIIMS, Jodhpur held from 26<sup>th</sup> -28<sup>th</sup> Mar 2019.

**Resource Faculty:**

1. Group Mentor (Forensic Medicine) at the 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination at AIIMS, Jodhpur. 26<sup>th</sup> -28<sup>th</sup> Mar 2019
2. Resource person in Orientation Programs for Interns and Post Graduates
3. Resource Faculty, Protocol design and introduction to Evidence Based Medicine for PGs and MPH students
4. Resource Faculty, Introductory course on Evidence Based Medicine for faculty of AIIMS, Jodhpur

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

1. Characterization of organ specific microRNA expression in human tissues: A pilot study (Intramural)
2. Knowledge and awareness of Medical Professional about Journal Categorization. (Non-funded)
3. Knowledge, Attitude and Practice (KAP) of medical professionals on euthanasia- A study from a tertiary care center in India. (Non-funded)
4. Histopathology of ligature mark in hanging. (Non-funded)

❖ **Completed:**

➤ **As Principal Investigator**

1. Estimation of sex from dental arch dimensions: An Odontometric analysis. AIIMS, Jodhpur (Intramural)
2. Developing Standards for Age Estimation Based on Third Molar Development. (Non-funded)

➤ **As Co-Investigator**

1. Study of diatoms in human cadavers-An autopsy analysis. AIIMS, Jodhpur (Intramural)

**Examinership:**

**External Examiner for MBBS II Professional Examination of Forensic Medicine & Toxicology**

1. AIIMS, Patna from 10<sup>th</sup> to 13<sup>th</sup> Dec, 2018
2. JLN Medical College & Associated group of Hospitals, Ajmer from 5<sup>th</sup> to 7<sup>th</sup> Mar, 2019.
3. Dr SN Medical College, Jodhpur, Rajasthan from 16<sup>th</sup> to 18<sup>th</sup> Mar, 2019.

**MD Thesis/ dissertation evaluation for**

1. Thesis submitted from Dr SN Medical College, Jodhpur and JLN Medical College, Ajmer to Rajasthan University of Health Sciences, Jodhpur for award of the degree of MD in Forensic Medicine and Toxicology.

**Question paper setter for**

1. MBBS II Professional Examination, JIPMER, Puducherry
2. MBBS II Professional Examination, Jaipur National University, Jaipur
3. Diploma in Forensic Science and Criminology, Panjab University, Chandigarh.

**Internal Examiner:**

1. MBBS II Professional Examination (February 2019), AIIMS Jodhpur.

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

1. Editor, Journal of Indian Academy of Forensic Medicine
2. Member, Bioethics Unit, International network of the UNESCO Chair in Bioethics, Haifa
3. Executive Committee Member of the 'Indian Society of Toxicology'.
4. Member of the ISTOLS (Indian Society of Toxicology Life Support Course) Master Class Committee
5. Member, National Advisory Board for events organized by Indian Association of Medico-Legal Experts, New Delhi
6. Vice President of the "Medicolegal Society, Jodhpur"

**National/ International Conferences attended:**

1. 103rd International Educational Conference of International Association for Identification (IAI) held at San Antonio, Texas, USA from July 29<sup>th</sup> to Aug 4<sup>th</sup>, 2018.

2. 12th Annual Conference of the Indian Society of Toxicology (TOXOCON 12) at Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim. 6<sup>th</sup> to 7<sup>th</sup> Apr 2018.
3. CME cum Hands On Training Workshop on Forensic Examination of Skeletal Remains at Adesh Institute of Medical Sciences & Research. Bhatinda on 21<sup>st</sup> July, 2018.
4. Forensic Consultative Forum organized by the International Centre of Humanitarian Forensics on 25<sup>th</sup> and 26<sup>th</sup> Sep, 2018 at GFSU, Gandhinagar, Gujarat, India.
5. Workshop on Government e-Marketplace at New Delhi on 16<sup>th</sup> Oct, 2018
6. CME on 'Medicolegal documentation in medical profession' at LTMMC, Mumbai on 20<sup>th</sup> October, 2018.
7. 26<sup>th</sup> Annual Conference of Karnataka Medico Legal Society (KAMLSCON 2018) held at Kasturba Medical College, Manipal from 2nd to 4th Nov 2018.
8. Joint Leadership Conclave on Healthcare Technologies 2018 at AIIMS, Jodhpur held from 3rd to 4<sup>th</sup> Dec 2018.
9. 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019, S N Medical College, Jodhpur, 31<sup>st</sup> Jan– 2<sup>nd</sup>Feb 2019.
10. Workshop on mentorship held at AIIMS, Jodhpur on Mar, 2019.
11. 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination at AIIMS, Jodhpur held from 26<sup>th</sup> -28<sup>th</sup> Mar 2019.

**Name of Faculty: Dr. Raghvendra Singh Shekhawat**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Shekhawat RS, Pathak D, Kochar S. A study of psychological and familial characteristics of juveniles in conflict with law at Jaipur .40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019. 31<sup>st</sup> Jan – 2<sup>nd</sup> Feb 2019, SNMC Jodhpur.

**Sessions Chaired:**

1. 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019. 31<sup>st</sup> Jan – 2<sup>nd</sup> Feb 2019, SNMC Jodhpur.

**Resource Faculty:**

1. Examination-Forensic Anthropology Update 2019. Department of Forensic Medicine And Toxicology, AIIMS, Jodhpur, Jodhpur, 26-28<sup>th</sup> Mar 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia(Intramural project)
2. A study of histopathological changes in skin secondary to fatal electrocution in autopsy samples (Non-funded)

➤ **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. (Non-funded)

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

1. Member Editorial team. Journal of Indian Academy of Forensic Medicine.

**National/ International Conferences attended:**

1. 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019, S N Medical College, Jodhpur, 31<sup>st</sup> Jan– 2nd Feb 2019.
2. IX CME cum Workshop on Laws applicable to Hospitals: Case studies on challenges and possible solutions. PGIMER, Chandigarh, 5-6<sup>th</sup> October 2018.
3. CME on Major Threats against Medical Professionals in Recent Scenario of Increased Litigation, S N Medical College, Jodhpur, 30<sup>th</sup> Jan 2019.
4. Joint Leadership Conclave 2018: Healthcare Technologies. AIIMS Jodhpur in collaboration with IIT Jodhpur, 3-4<sup>th</sup> Dec 2018.
5. 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination-Forensic Anthropology Update 2019, Department of Forensic Medicine and Toxicology, AIIMS Jodhpur, on 26-28<sup>th</sup> Mar 2019.
6. International Course in Bioethics: The Vertically and Horizontally Integrated Bioethics Curriculum of the UNESCO Core Curriculum. AIIMS Jodhpur, 23-25<sup>th</sup> May 2018

**Name of Faculty: Dr. Vikas Meshram**

**Designation: Assistant Professor**

**Papers Presented:**

1. Meshram V, Pathak H. Spontaneous Rupture of Unscarred Uterus Consequent to Obstructed Labour: An Autopsy Case. XXI Annual Conference of Medicolegal Association of Maharashtra- Forensic Juriscon 2018. 27<sup>th</sup> - 28<sup>th</sup> Oct 2018. Seth G S Medical College and KEM hospital Mumbai.
2. Gupta V, Meshram V, Setia P. Scrotal Emphysema Following High Velocity Trauma- A Case Report. 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019. 31<sup>st</sup> Jan – 2<sup>nd</sup> Feb 2019, SNMC Jodhpur.

**Resource Faculty:**

1. PG Quiz at 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019. 31<sup>st</sup> Jan – 2<sup>nd</sup> Feb 2019, SNMC Jodhpur.

2. 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination-Forensic Anthropology Update 2019. Department of Forensic Medicine and Toxicology, AIIMS, Jodhpur, Jodhpur, 26-28<sup>th</sup> Mar 2019.

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Exploring the role of immunohistochemistry in estimation of wound age (Intramural project)

##### **➤ As Co-Investigator**

1. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia(Intramural project)

##### **❖ Completed:**

##### **➤ As Co-Investigator**

1. Histopathology of ligature mark in hanging. (Non-funded)

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

1. 2<sup>nd</sup> Prize in the category of Faculty Oral Presentation. Forensic Juriscon 2018. 27-28<sup>th</sup> Oct 2018.

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

1. Member editorial team. Journal of Indian Academy of Forensic Medicine.

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

1. International Course in Bioethics: The Vertically and Horizontally Integrated Bioethics Curriculum of the UNESCO Core Curriculum. AIIMS Jodhpur, 23-25<sup>th</sup>May 2018
2. XXI Annual State Conference of Medicolegal Association of Maharashtra-Forensic Juriscon 2018. Seth G S Medical College and KEM hospital Mumbai. 27- 28<sup>th</sup> Oct 2018.
3. IX CME cum Workshop on Laws applicable to Hospitals: Case studies on challenges and possible solutions. PGIMER, Chandigarh, 5-6<sup>th</sup> Oct 2018.
4. Joint Leadership Conclave 2018: Healthcare Technologies. AIIMS Jodhpur in collaboration with IIT Jodhpur, 3-4<sup>th</sup> Dec 2018.
5. CME on Major Threats against Medical Professionals in Recent Scenario of Increased Litigation, S N Medical College, Jodhpur, 30<sup>th</sup> Jan 2019.
6. 40th Annual National Conference of the Indian Academy of Forensic Medicine- Forensic Medicon 2019, S N Medical College, Jodhpur, 31<sup>st</sup> Jan– 2nd Feb 2019.
7. 1st Hands-on Workshop on Human Remains Recovery: Exhumation to Examination-Forensic Anthropology Update 2019, Department of Forensic Medicine and Toxicology, AIIMS Jodhpur, on 26-28<sup>th</sup> Mar 2019.

## Department of General Medicine

S.No.	Name	Designation
1	Dr. M. K. Garg	Professor & Head
2	Dr. Gopal Krishna Bohra	Associate Professor
3	Dr. Bharat Kumar	Assistant Professor
4	Dr. Maya Gopalakrishnan	Assistant Professor
5	Dr. Naresh Kr. Midha	Assistant Professor
6	Dr. Deepak Kumar	Assistant Professor

### About The Department –

Department of Medicine is one of the busiest departments of AIIMS Jodhpur. Our department caters to more than 400 patients every day. It provides services to all strata of population and has very wide coverage area involving whole of Western Rajasthan and even beyond.

The Department also provides indoor services, critical care services (HDU) and emergency medicine services to provide better nursing care to serious patients.

Department has started specialty clinics of Rheumatology 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 more than ten 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.

### Papers

#### Pubmed Indexed:

1. 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 Feb 15.
2. Marwaha RK, Garg MK, Sethuraman G, Gupta N, Mithal A, Dang N et al. Impact of three different daily doses of vitamin D3 supplementation in healthy school children and adolescents from North India: A single- blind prospective randomized clinical trial. Br J Nutr. 2019 Mar;121(5):538-548
3. Marwaha RK, Garg MK, Mithal A, Gupta S, Shukla M, Chadha A. Effect of vitamin D supplementation on bone turnover markers in children and adolescents from North India. Indian J Endocr Metab 2019;23:27-34.

4. 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;24:34-40
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.
6. Kumar D, GK Bohra, Agrawal M. Tongue tremor: an unusual and early presentation of Parkinson's Disease *Nat Med J Ind.* 2018;31:42018
7. Kumar D, Bohra GK, Agarwal M, Khichar S, Choudhary S, Midha N. Prediction of cardiovascular disease risk using framingham and data on adverse effect of antiretroviral drugs risk equation in relation to lipodystrophy in HIV patients on highly active antiretroviral therapy. *J Glob Infec Dis.* 2018;10:182-187
8. Aneja J, Suthar N, Bohra GK, Garg P. Human immunodeficiency virus-associated neurocognitive disorder masquerading as psychiatric illness. *Int J Adv Med Health Res.* 2018;5:71-74
9. Bohra GK Meena, DS, Bajpai N Purohit A. Focal segmental glomerulosclerosis in a patient with prefibrotic primary myelofibrosis *BMJ case reports* 2018, bcr-2017-223803
10. Bohra GK, Chhabra V, Midha N, Sureka B. Budd-Chiari syndrome in a patient with ulcerative colitis *Case Reports* 2018;2018:bcr-2017-222300.
11. Meena DS, Bohra GK, Meena M, Maheshwari BK. Hyperhomocysteinemia in a Patient with Moyamoya Disease ; *Case Rep Neurol Med.* 2018 May 6;2018:7806873.
12. 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.
13. Gopalakrishnan M, Saurabh S, Dutta TK. Clinical profile of viper envenomations in Kerala, India: some unanswered questions. *Int J Gen Med.* 2018;11:391–2.

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

1. Gupta A, Sharma PK, Singh V, Midha NK, Kumar B, Misra AK, Singh S. Efficacy, Safety and Cost-effectiveness Comparison of Rosuvastatin 5mg with Atorvastatin 20mg in Hypercholesterolaemic Patients: A Prospective Open Label Clinical Study. *Adv Clin Endo Met,* 1(1): 07-15 (2018)
2. 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.
3. Gupta A, Sharma PK, Singh V, Midha NK, Kumar B, Misra AK, Singh S. Efficacy, Safety and Cost-effectiveness Comparison of Rosuvastatin 5mg with Atorvastatin 20mg in Hypercholesterolaemic Patients: A Prospective Open Label Clinical Study. *Adv Clin Endo Met,* 1(1): 07-15 (2018)
4. 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.



### Workshops/ Conferences Organized

1. HIV Symposium, Dept. of Medicine, AIIMS, Jodhpur on 30 September 2018
2. Second Hematology Update, Department of Pathology & Medicine. AIIMS Jodhpur, 28-29 July 2018

### Eminent Visitors:

1. Dr B R Thanvi, Professor of Medicine & Neurology, South Warwickshire NHS Foundation trust Edinburgh.

### Any other information:

1. **HIV Symposium, Dept. of Medicine, AIIMS, Jodhpur on 30 September 2018.**

HIV is an enigma and is associated with taboo even among medical professionals. With availability of effective medicines, a need was felt to sensitize medical professionals, clinicians and medical students at undergraduates as well as postgraduates toward care of these patients. Epidemiology of HIV especially with reference to Rajasthan was discussed by experts from NACO. Antiretroviral treatment and its toxicities were dealt with in details. Post exposure prophylaxis is another area of vital importance which was discussed in the conference. Eminent speakers from all over India participated in conference and highlighted recent developments in the field.



Inaguration ceremony



Address to the audience by speakers

**2. Second Hematology Update, Department of Pathology & Medicine. AIIMS Jodhpur, 28-29 July 2018**

There is a large felt need for general awareness as well as expertise about hematological disorders in this part of the country. This led us to organize an educational activity on hematology. Experts from all over the country from esteemed institutions attended the conference. Clinicians and pathologists from all over Rajasthan benefited from their knowledge.

Dr A.K. Saraya considered as pioneer in hematology in India attended the conference and gave deep insights on the subject

Stalwarts in the field of hematology Dr. M.B. Agrawal and Dr Hemant Malhotra shared their experiences in the field of hematology and.. Dr Sudhir Mehta, Dr. Gurmeet singh, Dr Sumeet Gujral, Dr Tejinder singh Dr. Pankhi Dutta ,Dr J.M. Khungar , Dr. Narendra Tejwani, Dr. Devendra Laddha, Dr.Venkatesan and Dr. Mukul Agrawal also shed light on various haematological disorders.



Felicitation of the invited speakers

**Name of Faculty: Dr. Mahendra Kumar Garg**  
**Designation: Professor and Head**

**Books/Chapeter:**

1. Garg MK, Kumar H. Diabetes and Cancer. In 'A Textbook of clinical oncology in the Indian Context. Eds. Sanchetee S. Printed by Indian Map Service Jodhpur, 1<sup>st</sup> Edition, Vol-I, Chapter 9.17, p 2019;1158-69.

**Invited Lectures-**

1. Life Style in Diabetes Mellitus – RSSDI Rajasthan Chapter - Jan 2019, Jaipur

**Name of Faculty: Dr. Gopal Krishna Bohra**  
**Designation: Associate Professor**

**Papers Presented: [As co-author]**

1. Diffuse alveolar hemorrhage as a presentation in an ANCA negative systemic vasculitis-Poster presentation IRACON 2018 GUWAHATI
2. Exercise induced LBBB : A rare Masquerader APICON 2019 Kochi
3. Risk factors and outcome in Amoebic Liver abscess: A prospective study from Rajasthan RAJISGCON 2019 Jodhpur
4. Levothyroxine supplementation requires seasonal variations in primary hypothyroidism. retrospective data from tertiary center 18th International conference of Endocrinology Cape Town

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Role of magnesium in Vitamin D deficiency - An observational study.

➤ **As Co-Investigator**

1. A study of platelet indices with clinical and laboratory parameters of patients with dengue in western Rajasthan
2. Spectrum of antiphospholipid antibodies in immune thrombocytopenic purpura in western Rajasthan
3. Inflammatory markers as an index of assessment of disease severity in Rheumatoid arthritis in a tertiary institute of western Rajasthan

**National/ International Conferences attended:**

1. SOMNOCON 2019 - CME & WORKSHOP OF SLEEP MEDICINE -24<sup>th</sup> Feb 2019 at AIIMS Jodhpur
2. CME on Antibiotics Resistance 2019 - 1st and 2nd February 2019 AIIMS Jodhpur
3. Joint Leadership Conclave 2018 - 3rd and 4th December 2018 AIIMS Jodhpur
4. Uttarakhand Cardiabcon 2018, 23 and 24 November 2018 AIIMS Rishikesh
5. CIDSCON 2018 ,16-18 August 2018 CMC Vellore.

**Name of Faculty: Dr. Bharat Kumar**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Ocular manifestation in patients of Rheumatoid Arthritis in relation to duration of disease and sero-positivity and ocular manifestations in a tertiary care centre in North-east India. Dr. Bharat Kumar, Dr. Utpal Kalita, Dr. M. P. Das. Poster presentation in IRACON, 2018 (Annual conference of Indian Rheumatology Association, 2018)
2. Diffuse Alveolar Haemorrhage as a presentation in an ANCA negative systemic vasculitis – a case report Dr Karthikeyan, Dr M K Garg, Dr G K Bohra, Dr Maya, Dr Bharat Kumar. Poster presentation at IRACON, 2018

**National/ International Conferences attended:**

1. Attended five days Training course on “Demographic Data Analysis for Health Personnel” organized by “The National Institute of Health and Family Welfare” held at NIHF, New Delhi from 11<sup>th</sup> to 15<sup>th</sup> February, 2019
2. Attended 74<sup>th</sup> Annual Conference of “The Association of Physicians of India” (APICON 2019) at Kochi, Kerala from 7<sup>th</sup> to 10<sup>th</sup> February, 2019.
3. Attended 34<sup>th</sup> Annual Conference of “Indian Rheumatology Association” (IRACON 2018) at Guwahati, Assam from 6<sup>th</sup> to 9<sup>th</sup> December, 2018.
4. Attended 70<sup>th</sup> Annual National Conference of “Cardiology Society of India” (CSI 2018) at Mumbai from 22<sup>nd</sup> to 25<sup>th</sup> November, 2018.
5. Attended “HIV Symposium: Clinical Challenges in HIV/AIDS Care” organized by Department of Medicine at AIIMS Jodhpur on September 30<sup>th</sup>, 2018.
6. Organized “HIV Symposium: Clinical Challenges in HIV/AIDS Care” as an Organizing Joint Secretary at AIIMS Jodhpur on September 30<sup>th</sup>, 2018.

**Name of Faculty: Dr. Maya Gopalakrishnan**  
**Designation: Assistant Professor**

**Papers Presented:(As Co-author)**

1. The Mystery behind thrombocytes in Dengue. Karthikeyan T, Bohra GK, Purohit A, Gopalakrishnan M. Oral presentation by post graduate resident Dr Karthikeyan at APICON 2019, Kochi
2. Risk factors and Outcome in Amoebic Liver abscess: A prospective study from Rajasthan, India. Ahari K, Gopalakrishnan M, Bohra GK, Garg MK. Oral presentation in RAJISGCON 2019, Jodhpur by Dr. Kamlesh Ahari, Post graduate resident.

**Research Project:**

➤ **As Co-Investigator:**

1. “Clinical audit of Pediatric dengue patient - How good are we doing ?- A retrospective assessment”

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

1. Elected to the Membership of the Royal Colleges of Physicians of the United Kingdom (MRCP-UK) on 12/11/2018 with the award of MRCP (UK) diploma after successful completion of three-part examination.
2. Successfully awarded certification of completion of “Good Clinical Practices” course by NIDA Clinical Trials Network (NIH, USA)

**National/ International Conferences attended:**

1. Successfully completed Cochrane Collaboration Workshop on Developing a Protocol for Systematic Reviews conducted by BV Moses Centre for Evidence Based Medicine at CMC Vellore
2. Currently registered and pursuing online Research Essentials in Medical Education (RESME) offered by Association for Medical Education in Europe towards AMEE- RESME Certificate in Medical Education.
3. Nominated for and attended National Symposium on “Poisoning as Public Health Problem” conducted by National Poisoning cell at AIIMS, New Delhi.
4. Completed Advanced Ultrasound Trauma Life Support Course (AULTS) conducted by The International Council for Critical Emergency Sonography (ICCESS) at AIIMS, Jodhpur.

**Name of Faculty: Dr. Naresh Kumar Midha**

**Designation: Assistant Professor**

**Research Project:**

➤ **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

**National/ International Conferences attended:**

1. Attended IRACON 2018 at Guwahati
2. Attended APICON 2019 at Kochi
3. Joined EULAR course of Rheumatology
4. Attended GE Hand-on Workshop of Echocardiography at Udaipur
5. Attended Faculty sensitization program at AIIMS Jodhpur

## Department of General Surgery

S.No.	Name	Designation
1	Dr. Ashok Puranik	Professor & Head
2	Dr. Naveen Sharma	Professor
3	Dr. Ramkaran Chaudhary	Associate Professor
4	Dr. Mahaveer Singh Rodha	Associate Professor (Trauma & Emergency)
5	Dr. Mahendra Lodha	Associate Professor
6	Dr. Satya Prakash Meena	Assistant Professor
7	Dr. Mayank Badkur	Assistant Professor

### About the Department

The Department of General Surgery is running to its fullest capacity with 80% bed occupancy. The clinical workload has also seen on year on year increase of 25%. We are witnessing and an upsurge and influx of large number of patient attendance in emergency admissions.

One Professor and one Assistant Professor have joined the ranks of the Department in the last year. Faculty members of the Department have expertise in advanced laparoscopy, thoracoscopy, 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.

We have a special interest in Breast surgery, Hernia Surgery and Venous Surgery. Robotic surgery is also being performed regularly. There is a plan to start metabolic and obesity surgery program.

Undergraduate teaching is one of the core focus area of our Department. Undergraduate surgery lectures are being conducted for MBBS students, daily clinical teaching in OPD and in wards (Bed side clinical teaching) is being conducted regularly students are also being exposed to minor surgical care. Basic surgical skills are taught to the students during their clinical posting like OT etiquettes, introduction to basic instruments, knotting exercises and suturing. Training of surgical skills like 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.

From last three years, there is regular uptake of post- graduate students. Thirteen students are presently pursuing post-graduation in General Surgery. The Department also conducts post graduate teaching sessions like Seminars, Journal club, 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 Quality Improvement Meetings, in which we critically analyze the patient management and try to bring out strategies for improvement.

Department is actively involves in research covering great spectrum of patients and disease elements. The students and residents of the Department are also involved in the research so that they can be empowered to conduct independent research in their future career.

Department has also conducted skill courses on advanced wound dressing, stoma care, bowel suturing and trauma care. We are now an approved site for provider ATLS course.

## Publications

### Pubmed indexed

1. Kala PC, Sahu RK, Vishnoi JR, Puranik A. A case of Giant squamous cell carcinoma buttock arising from Hidradentitis suppurativa: an Unusual presentation. *Indian J Surg*.
2. Varshney VK, Soni SC, Yadav T, Puranik A, Elhence P. Amebic colonic stricture: An unusual presentation. *Trop Parasitol*. 2018;8(2):98–100.
3. 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
4. Shivasabesan G, O'Reilly GM, Mathew J, Fitzgerald MC, Gupta A, Roy N, Joshipura M, Sharma N, Cameron P, Fahey M, Howard T, Cheung Z, Kumar V, Jarwani B, Soni KD, Patel P, Thakor A, Misra M, Gruen RL, Mitra B. Establishing a Multicentre Trauma Registry in India: An Evaluation of Data Completeness. *World J Surg*. 2019 Jun 20; epub ahead of print
5. 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;63(2):106–113
6. Jain BK, Sharma N, Gupta H. Lateral Internal Partial Sphincterotomy Technique for Chronic Anal Fissure: an Avoidable Risk to the Surgeon's Finger. *Indian J Surg*. 2018;80(2):203–204.
7. Elhence P, Chaudhary R. Gargantuan primary scrotal calcinosis - Surgical, cosmetic, and sociopsychiatric concern. *Urol Ann*. 2019;11(1):91–92.
8. Agarwal PK, Badkur M, Agarwal R, Patel S. Prevalence of Helicobacter pylori infection in upper gastrointestinal tract disorders (dyspepsia) patients visiting outpatient department of a hospital of North India. *J Family Med Prim Care* 2018; 7:577-80.

### Non-PubMed Indexed:

1. Lodha M, Rulaniya S, Lal C, Parihar S, Puranik A. Study to access the outcome of time gap between onset of symptoms and surgery in cases of acute appendicitis at tertiary care hospital. *Indian Journal of research*, November-2018 Volume-7 , Issue-11 Page 477-478
2. Lodha M, Rulaniya S, Lal C, Parihar S, Puranik A. A correlation of BPH related lower urinary tract symptom in patients with inguinal hernia. *Indian Journal of Research*, Page64-65, Volume-7 , Issue-11 , November-2018 , PRINT ISSN No 2250-1991
3. Lodha M, Jaykumar TK, Rulaniya S, Puranik A. Thoracoscopic removal of retained foreign body in lung after penetrating trauma. *International Journal Of Scientific Research*, Volume-7/Issue-II/ November-2018/ISSN-2277-8179/IF:4.758/IC Value :93.98
4. Pandey R, Ratan R, Puranik A, Naidu CS, Galagali A, Mehrotra S. Grading of complications following bowel anastomosis using Clavien–Dindo system: Our experience, *International Journal Of Scientific Research*, Volume-7 | Issue-4 | April-2018
5. Lodha M, Bairwa B, Puranik A, Meena SP, Bulchandani H. Accidental inferior epigastric artery injury in laparoscopic inguinal hernia repair: A case Report. *Journal of Clinical and Diagnostic Research*. 2018 Jul, Vol-12(7): PD01-PD02
6. Dutta S, Sharma PK, Mira AK, Kumar R, Rai S, and Chaudhary R. A case report on Warfarin induced Skin Necrosis: Drug-drug interaction or inappropriate Therapy. *J Pharm Sci Therap*, 4(1):230-233(2018).

7. Lodha M, Rulaniya S, Lal C, Parihar S, Puranik A. A correlation of BPH related lower urinary tract symptom in patients with inguinal hernia. Indian Journal of research, Page64-65, Volume-7 , Issue-11 , November-2018 , PRINT ISSN No 2250-1991
8. Lodha M, Rulaniya S, Lal C, Parihar S, Puranik A. Study to access the outcome of time gap between onset of symptoms and surgery in cases of acute appendicitis at tertiary care hospital. Indian Journal of research, November-2018 Volume-7 , Issue-11 Page 477-478
9. Lodha M, Bairwa B, Puranik A, Meena S P, Bulchandani H Accidental Inferior Epigastric Artery Injury in Laparoscopic Inguinal Hernia Repair: A Case Report. Journal of Clinical and Diagnostic Research. Page1-2, 2018 Jul, Vol-12(7),Page1-2
10. Gotwal M, Nalwa A, Yadav G, Lodha M, Singh P, Garg P. Laparoscopic management of giant ovarian cyst in young woman: a case report. Int J Reprod Contracept Obstet Gynecol. 2018 Apr;7(4):1660-1662.
11. Badkur M, Patel S, Singh N. Abdominal Tuberculosis: Clinical-Pathological Profile and Role of Surgery in its Management. IJSS Journal of Surgery 2018; 4(4):7-11.
12. Singh N, Badkur M, Chauhan Y, Patel S, Khan A, Melwani V. Determination of Stress Levels Among Post Graduate Students of Gandhi Medical College, Bhopal: A Cross- Sectional Study. N J C M India 2018;9(9):675-679

**Name of Faculty: Dr. Ashok Puranik**

**Designation: Professor & Head**

**Papers Presented:**

1. **Poster Presented: As Co-Author**, Role of VATS in respiratory disease – Experience at a tertiary care Centre in Western India, TSANZSRS-2019 (Annual Conference of Thoracic Society of Australia and New Zealand), 29th March to 2nd April 2019, Gold Coast, Australia.

**Sessions Chaired:**

1. Chairperson in 78th Annual Conference of the Association of Surgeons of India “ASICON-2018” at Chennai from 26<sup>th</sup> -30<sup>th</sup> December 2018.
2. Chairperson in 78th Annual Conference of the Association of Surgeons of India “ASICON-2018” at Chennai from 26<sup>th</sup> -30<sup>th</sup> December 2018.

**Invited Lectures**

1. Surgical Site Infection, Association surgeons of India (Rajasthan Chapter) ASIRAJ-2018, 20<sup>th</sup> to 21<sup>st</sup> October 2018.
2. Invited Lectures session in PESICON 2019 at AIIMS Jodhpur, 14th to 17th February 2019

**Resource Faculty:**

1. National Faculty in “12<sup>th</sup> AIIMS Surgical week” International Conference, CME cu Live Workshop (ENDOSURG-2018) at AIIMS, New Delhi from 19<sup>th</sup> April to 23<sup>rd</sup> April 2018.
2. National Faculty in “EMIINDIA 2018” at Varanasi from 19<sup>th</sup> to 22<sup>nd</sup> July 2018.
3. International Faculty in “The American Association for the Surgery of Trauma (AAST) & the world coalition for Trauma care (WCTC)” at San Diego, California from 26<sup>th</sup>-29<sup>th</sup> Sept 2018.



**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Retrospective analysis of role of VATS in various respiratory diseases at AIIMS, Jodhpur.
2. The study of anatomical variations during axillary dissection.

❖ **Completed:**

➤ **As Co-Investigator**

1. A study of efficacy of methylene blue and clinico-pathological factors associated with false negative Sentinel Lymph Node Biopsy (SLNB) in early breast cancer.

**Examinership**

1. MBBS Batch 2014 Pre and Professional examination at AIIMS Jodhpur as chairperson of Examination, Dec 2018.

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

1. Member of Indian Medical Association
2. Member of Association of Surgeons of India
3. Member of 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. 12<sup>th</sup> AIIMS Surgical week International Conference, CME cum Live Workshop (ENDOSURG-2018) at AIIMS, New Delhi from 19<sup>th</sup> April to 23<sup>rd</sup> April 2018.
2. EMIINDIA 2018 at Varanasi from 19<sup>th</sup> to 22<sup>nd</sup> July 2018.
3. The American Association for the Surgery of Trauma (AAST) & the world coalition for Trauma care (WCTC) at San Diego, California from 26<sup>th</sup> to 29<sup>th</sup> September 2018.
4. 78<sup>th</sup> Annual Conference of the association of surgeons of India "ASICON-2018" at Chennai from 26<sup>th</sup> -30<sup>th</sup> December 2018.

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

**Designation: Professor**

**Papers Presented:**

1. Garg P, Sharma N. Recurrent chest wall chondrosarcoma and well differentiated thyroid cancer – A case of double primary malignancies. NAMSCON 2018 October 2018, Pondicherry.
2. Garg P, Sharma N. Recurrent chest wall chondrosarcoma and well differentiated thyroid cancer – A case of double primary malignancies. NATCON 2018: September 2018, Kovalam, Trivandrum.

**Sessions Chaired:**

1. Invited Lectures session in PESICON 2019 at AIIMS Jodhpur
2. Operative workshop session in ENDOSURG 2019
3. Operative workshop session in Endolap 2019

**Invited Lectures**

1. Laparoscopic appendectomy during MAMC Update 2018

**Symposium Speaker**

1. Trauma workshop organized by Department of General Surgery, AIIMS Jodhpur

**Resource Faculty:**

1. NAMSCON 2018 organized by National Academy of Medical Sciences at Pondicherry in September 2018.
2. IASO NATCON 2018 organized by Indian Association of Surgical Oncology at Kovalam, Trivandrum in October 2018
3. PESICON 2019 organized by Pediatric Endoscopic Surgeons of India at AIIMS Jodhpur in February 2019
4. MAMC Update organized by Department of Surgery MAMC, Delhi in September 2018
5. Endosurg 2019 organized by Department of Surgical Disciplines AIIMS Delhi, March 2019
6. LHMC PG Clinical Update organized by Department of Surgery, LHMC Delhi, February 2019
7. Associate Faculty for Advanced trauma course at SNM Hospital Leh in April 2018

**Examinership**

1. MBBS examiner, SRHU Dehradun, February 2019
2. Examiner for General Surgery for NBE at Kolkata December 20-21, 2018

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

1. Awarded Membership of National Academy of Medical Sciences in 2018

**National/ International Conferences attended:**

1. NAMSCON 2018 organized by National Academy of Medical Sciences at Pondicherry in September 2018.
2. IASO NATCON 2018 organized by Indian Association of Surgical Oncology at Kovalam, Trivandrum in October 2018
3. PESICON 2019 organized by Pediatric Endoscopic Surgeons of India at AIIMS Jodhpur in February 2019
4. MAMC Update organized by Department of Surgery MAMC, Delhi in September 2018
5. Endosurg 2019 organized by Department of Surgical Disciplines AIIMS Delhi, March 2019
6. LHMC PG Clinical Update organized by Department of Surgery, LHMC Delhi, February 2019

**Name of Faculty: Dr. Ramkaran Chaudhary**  
**Designation: Associate Professor**

**Papers Presented:**

1. Poster Presented: As Author, Role of VATS in respiratory disease – Experience at a tertiary care Centre in Western India, TSANZSRS-2019 (Annual Conference of Thoracic Society of Australia and New Zealand), 29th March to 2nd April 2019, Gold Coast, Australia.

**Sessions Chaired:**

1. As Chairperson: 12th AIIMS Surgical week” International conference, CME cum Live Workshop (ENDOSURG-2018), 19th April to 22nd April 2018, AIIMS, New Delhi.

**Resource Faculty:**

1. As a Course Faculty: VATS workshop, PESICON-2019” (Pediatric Endoscopic Surgeons of India Conference), 14th to 17th February 2019, AIIMS, Jodhpur
2. As a Course Faculty: Pediatric Emergency Sonography Course, WACEM 2018 DOHA (World Academic Congress of Emergency Medicine), 30th October to 4th November 2018, Doha, Qatar.
3. As a Subject Expert: Standard operative procedures for surgical emergency across India, NHSRC (National Health System Resource Centre) meeting, 3rd August 2018, AIIMS, New Delhi.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Retrospective analysis of role of VATS in various respiratory diseases at AIIMS, Jodhpur.
2. The study of anatomical variations during axillary dissection.

➤ **As Co-Investigator**

1. Expression of Programmed Death Ligand 1 (PD-L1) and Ki-67 labelling index in breast cancers and correlation with Tumor Infiltrating Lymphocytes (TILs) and clinico-pathological characteristics
2. Testicular vascularity after laparoscopic and open inguinal hernia surgery

❖ **Completed:**

➤ **As Principal Investigator**

1. A study of efficacy of methylene blue and clinico-pathological factors associated with false negative Sentinel Lymph Node Biopsy (SLNB) in early breast cancer.

**Examiner ship**

1. MBBS Final Year Examination, S. N. Medical College, RUHS (Rajasthan University of Health Sciences) from 1<sup>st</sup> to 4<sup>th</sup> February 2019.
2. 3<sup>rd</sup> BDS (Remanded Batch) for the subject of General Surgery, University practical & Viva Voice examination, Vyas Dental College & Hospital Jodhpur, 5<sup>th</sup> April 2018.

**National/ International Conferences attended:**

1. TSANZSRS-2019 (Annual Conference of Thoracic Society of Australia and New Zealand), Gold Coast, Australia from 29th March to 2nd April 2019.
2. 12th AIIMS Surgical week” International conference, CME cum Live Workshop (ENDOSURG-2018), AIIMS, New Delhi, from 19th April to 22nd April 2018.
3. “Good Clinical Practice, Current regulatory and ethical requirements for conducting clinical trials/ research in India including Schedule Y” organized by the Department of Pharmacology, AIIMS, Jodhpur on August 04-05, 2018.
4. Workshop on Principles of Cancer Epidemiology” at CMC Vellore from 10th to 14th October 2018.
5. OSSICON-2019” (Annual Conference of Obesity and Metabolic Surgery Society of India) at Kolkata from 24th to 26th January 2019.
6. WACEM 2018 DOHA” (World Academic Congress of Emergency Medicine), Doha, Qatar, from 30th October to 4th November 2018.
7. “Systematic Review and Meta-Analysis : An introductory Workshop, WACEM 2018 DOHA, Doha, Qatar, from 30th October to 4th November 2018.
8. PESICON-2019” (Pediatric Endoscopic Surgeons of India Conference) at AIIMS, Jodhpur. 14th to 17th February 2019.
9. International hernia collaboration conference 2018 New Delhi 3rd to 5th May 2018.

**Name of Faculty: Dr. Mahendra Lodha**

**Designation: Associate Professor**

**Papers Presented:**

1. Lodha M. Study of Rouviere’s sulcus in our population. 13th International Congress of Association of Minimal Access Surgeons of India” 15th- 17th November 2018, SGPPI, Lucknow

**Sessions Chaired:-**

1. Training in Robotics, “CME in Robotic surgery –Expanding horizon in robotic surgery” 28-29Nov2018, AIIMSJODHPUR

**Invited Lectures-**

1. Newer modality in anorectal disease, Department of Shalya, 11th Dec.2018, DSRRAU, Jodhpur

**Research Project:****❖ Ongoing:****➤ As Principal Investigator-**

1. Study of knowledge about BMI and its correlates in patient visiting OPD of Aiims Jodhpur.

**➤ As Co-Investigator:**

1. 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.
2. A feasibility study of sentinel node biopsy in early breast cancer using dye method.

3. A comparative study of standard ksharsutra ligation and kutaj pratisharaneeya kshara (teekshna kalpana) application in the management of aabhyantra arshya (Internal Haemorrhoids), DSRRAU, Jodhpur

❖ **Completed:**

➤ **As Principal Investigator**

1. Study of testicular vascularity in inguinal hernia surgery.

➤ **As Co-Investigator:**

1. Variation in axillary anatomy of patient undergoing axillary dissection for modified radical mastectomy for carcinoma breast.
2. Study on the effect of shuddh guggulu and yastimadhu churna in the management of arbuda w.s.r fibroadenoma of breast. DSRRAU, Jodhpur

**Examinership**

1. Bachelor of Physiotherapy. Department of Physiotherapy, Dr S.N.Medical College, Jodhpur. SLNS Institute of physiotherapy, 2-3 Oct 2018

**National/ International Conferences attended:**

1. International Hernia collaboration conference. AWRsurgeons, Pullman Hotel, New Delhi 3<sup>rd</sup> to 5<sup>th</sup> May 2018
2. First international Cruise conference of IAGES (SAARC Country), Kochi, Maldives. 12<sup>th</sup>-15<sup>th</sup> Dec. 2018
3. 13<sup>th</sup> International Congress of Association of Minimal Access Surgeons of India” 15<sup>th</sup>- 17<sup>th</sup> November 2018, SGPGI, Lucknow
4. 7<sup>th</sup> Conference of Association of Surgeons of India, Chennai Trade Center, Chennai, 26<sup>th</sup> -30<sup>th</sup> December 2018.
5. Workshop on energy technology in advanced laparoscopic surgery, Operation theater, AIIMS Jodhpur, 14 March 2019.
6. 14<sup>th</sup> Annual Conference of Pediatric Endoscopic Surgeons of India (PESICON) - 14<sup>th</sup> to 17<sup>th</sup> February 2019, AIIMS Jodhpur.

**Name of Faculty: Dr. Satya Prakash Meena**

**Designation: Assistant Professor**

**Sessions Chaired:**

1. Masterclass with CME “Robotic Surgery: Expanding Horizons’ 29 -30<sup>th</sup> November 2018, AIIMS Jodhpur.

**Scientific Awards/Patents**

1. Convocation Program of FMAS for 56<sup>th</sup> AMASI Skill Course & Fellowship in Minimal Access Surgery Examination and Skill Development Course in Robotic Training in “13<sup>th</sup> International Congress of Association of Minimal Access Surgeons of India” at SGPGI, Lucknow on 15<sup>th</sup>- 17<sup>th</sup> November 2018

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

1. Member of Association of Surgeons of India
2. Member of Association of Minimal Access Surgeons of India

**National/ International Conferences attended:**

1. Annual conference of the Rajasthan State chapter of ASI 'ASIRAJ 2018", Tagore Hospital and Research Centre, Jaipur, 20-21th October 2018
2. 13<sup>th</sup> International Congress of Association of Minimal Access Surgeons of India", SGPGI, Lucknow, 15<sup>th</sup>- 17<sup>th</sup> November 2018
3. 14<sup>th</sup> Annual Conference of Pediatric Endoscopic Surgeons of India (PESICON), AIIMS Jodhpur, 14th to 17<sup>th</sup> February 2019.
4. Rajasthan Neurosciences Update 2019, AIIMS Jodhpur, 23<sup>rd</sup> and 24<sup>th</sup> March 2019.
5. Energy technology in Advanced Laparoscopic Surgery, Department of General Surgery, AIIMS Jodhpur, 14TH March 2019.

**Name of Faculty: Dr. Mayank Badkur**

**Designation: Assistant Professor**

**Scientific Awards/Patents:**

1. Fellowship of Minimal Access Surgery, Convocation Program of FMAS for 56<sup>th</sup> AMASI Skill Course & Fellowship in Minimal Access Surgery Examination, "13<sup>th</sup> International Congress of Association of Minimal Access Surgeons of India", SGPGI, Lucknow on 15<sup>th</sup>- 17<sup>th</sup> November 2018

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

1. Membership of Indian Hernia Society (IHS)
2. Member of Editorial board; International Organization of Scientific Research Journal of Dental and Medical Sciences

**National/ International Conferences attended:**

1. Basic research methodology workshop, LNMC & JK Hospital Bhopal, 20<sup>th</sup> to 21<sup>st</sup> April 2018.
2. Advance Trauma Life Support ATLS (Student / Provider Course), L.T.M. Medical College SION Mumbai, 21<sup>st</sup> to 23<sup>rd</sup> June 2018.
3. Workshop-cum-seminar on scientific writing and publication, ICMR-NIREH Bhopal, 4<sup>th</sup> to 6<sup>th</sup> July 2018.
4. 56<sup>th</sup> AMASI Skill Course & FMAS Examination, Association of Minimal Access Surgeons of India, Dr. S N Medical College, Jodhpur India, 10<sup>th</sup> to 12<sup>th</sup> August 2018.
5. 13<sup>th</sup> International Congress of Association of Minimal Access Surgeons of India", SGPGI Lucknow, 15<sup>th</sup> to 17<sup>th</sup> November 2018.
6. 14<sup>th</sup> Annual Conference of Pediatric Endoscopic Surgeons of India (PESICON), AIIMS Jodhpur, 14<sup>th</sup> to 17<sup>th</sup> February 2019.
7. Rajasthan Neurosciences Update 2019, AIIMS Jodhpur, 23<sup>rd</sup> to 24<sup>th</sup> March 2019.
8. Energy technology in Advanced Laparoscopic Surgery, Department of General Surgery, AIIMS Jodhpur, 14<sup>TH</sup> March 2019.

## Department of Microbiology

S.No.	Name	Designation
1	Dr. Vijaya Lakshmi Nag	Professor & Head
2	Dr. Anuradha Sharma	Additional Professor
3	Dr. Ravisekhar Gadepalli	Associate Professor
4	Dr. Vibhor Tak	Associate Professor
5	Dr. Sarika Prabhakar Kombade	Assistant Professor
6	Dr. Vidhi Jain	Assistant Professor

### About The Department:

Department of Microbiology has been providing the best possible services in the field of Hospital Infection Control, diagnostic procedures, research and various curricular activities of this prestigious Institution, since the very beginning. With the firm commitment from all members of our Department, we have strengthened ourselves with the ability to perform our best. The lab has been equipped with newer automated & molecular instruments for better diagnosis. In recent times we have been receiving increasing number of different samples from OPD, IPD, and peripheral health care centers. The department has continuously geared itself to cater to the gradually increasing number of samples for various investigations in sections of Bacteriology, Serology, Virology, Parasitology, Mycology and Mycobacteriology. Regional level Viral Research and Diagnostic Laboratory has started since February 2019, is performing various Serology, Molecular investigations free of cost for West Nile, HIV, Hepatitis A, B, C, Measles, Dengue, Chikenguniya. Under collaboration of NCDC, Rabies lab is functioning in department and first in Rajasthan doing diagnosis & determining post immunization serotitre of anti-Rabies IgG antibody in human. Department had started one year PDCC in infectious disease. At present department has 68 staff, with 6 Faculties, 9 SR, 2 PDCC candidates, 6 JRs, 13 LTs, 5 attendants with various project staff & VRDL staff. Department is organizing regular sensitization class for BMW and hospital infection control. Department has celebrated world hand hygiene day on 5 may 2019. Public lecture was organized by department on ``Misuse of Antibiotic & resistance` and ``Its time to Stop TB``.

### Total approximate number of investigations performed in different sections of the departmental laboratory are as follows:

- ✓ Cultures on different samples in Bacteriology lab : 25258.
- ✓ Serological&virological tests -73653  
(HIV- 23,219, HBsAg- 24,461, HCV- 21,961, Dengue- 3409, Typhi Dot/Widal-450 RPR/VDRL-153)
- ✓ Stool examination, PBS& other serological tests for parasites -4642
- ✓ Fungal smear & culture –1366
- ✓ AFB smears and mycobacterial culture –3257
- ✓ Mantoux tests –1260
- ✓ Microscopy under DOTS –1408

- ✓ HIV screening under ICTC – 1599
- ✓ STI screening under STI clinic: 241
- ✓ VRDL ( started from 12<sup>th</sup> February 2019): 16
- ✓ Rabies Lab:77
- ✓ Anaerobic lab: 66
- ✓ Hospital Infection control: 669

### Compiled list of Publications of the department –

#### Pubmed Indexed:

1. Viswanathan R, George S, Murhekar MV, Abraham AM, Singh MP, Jadhav SM, Nag V, Naik S, Raut C, Munivenkatappa A, Gupta M, Jagtap V, Kaduskar O, Gupta N, Sapkal GN. Comparison of two commercial ELISA kits for detection of rubella specific IgM in suspected congenital rubella syndrome cases and rubella IgG antibodies in a serosurvey of pregnant women. *Diagn Microbiol Infect Dis.* 2019;S0732-8893(19) 30082-3.
2. Bhargava A, Kombade S, Dash D, Jain Y. Disseminated nocardiosis by *Nocardia Farcinica*: Review & first case report from Central India. *Medical Journal armed force India.* 75(2019),106-111.
3. Saurabh K, Nag VL, Sharma A, Maurya AK, Hada V. Abnormal morphological appearance of *Klebsiella pneumoniae* in blood culture: A microscopic observation. *Indian Journal of Pathology & Microbiology*, 2018, Oct-Dec; 61 (4): 628-629.
4. Muliyl DE, Singh P, Jois S K, Oti V, Suri V, Varma V, Abraham AM, Raut C, Gupta M, Singh M P, Viswanathan R, Naik S, Nag V, Benakappa A, Bavdekar A, Sapkal G, Singh K, Gupta N, Verma S, Santhanam S, Mishra S, Bhatnagar A, Prasad GRV, Kolekar J, Raj N, Sabarinathan R, Sachdeva RK, George S, Chaudhary S, Verghese VP, Jagtap V, Bharadwaj M, Murhekar M. Sero-prevalence of rubella among pregnant women in India- 2017. *Vaccine.* 2018 Dec 18;36(52):7909-7912.
5. Murhekar M, Bavdekar A, Benakappa A, Santhanam S; Singh K, Verma S; Sapkal GN, Gupta N, Verghese VP, Viswanathan R, Abraham AM; Choudhary S, Deshpande GN, George S, Goyal G, Chawla Gupta P, Jhamb I, John D, Philip S, Kadam S, Sachdeva RK; Kumar P; Lepcha A, S. Mahantesh, S. Manasa, Nehra U, Munjal SK, Nag VL, Naik S; Raj N, Ram J, Ratho RK, Raut C.G., Rohit MK, R. Sabarinathan, Shah S, Singh P, Singh MP, Tiwar A, Vaid N. Sentinel Surveillance for Congenital Rubella Syndrome - India, 2016-2017. *Morbidity and Mortality Weekly Report (MMWR. Weekly / September 14, 2018 / 67(36);1012–1016.*
6. Saurabh K, Nag VL, Sharma A, Maurya AK, Hada V. Abnormal morphological appearance of *Klebsiella pneumoniae* in blood culture: A microscopic observation. *Indian J Pathol Microbiol.* 2018 Oct-Dec;61(4):628-629.
7. Nag VL, Saurabh K, Genomic diversity of Rotavirus and the current scenario of Rotavirus Vaccine: A Brief overview . *Arch Paediatr Dev Pathol*, 2018, 1(4):
8. Hada V, Saurabh K, Sharma A, Nag VL, Gadepalli RS, Maurya AK. Nursing students: A vulnerable health-care worker for needlestick injuries in teaching hospitals. ORIGINAL ARTICLE. *JFMPC.* 2018;7(4).717-20.



9. Ghoshal U, Jain V, Tejan N, Kalra SK, Ranjan P, Sinha R, Gangwar D, Ghoshal UC. A road less travelled: Clinical comparison of HIV seropositive and seronegative patients with cystoisosporiasis – An 11-year experience from a tertiary care centre in Northern India. *Indian J Med Microbiol* 2018;36:508-12
10. Saurabk K, Tak V, Nag V L, Bohra G K. Cardiac arrest in a case of systemic lupus erythematosus and hepatitis B co infection- can strongyloidesstrercoralis be the culprit? *Trop Parasitol* 2018; 8 ; 106-109.
11. Abhishek S and Gadepalli R. Current Challenges in Hepatitis C Virus. *J Virology & Mycology* 2018;7: 1-3.

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

1. Yedale K, Nag VL, Aggarwal N, Kalita J. Detection of drug resistance among suspected tuberculosis cases attending a tertiary care hospital in western Rajasthan, India. *Int J Sci Res.* 2018;7(12):7.296.
2. Abhishek KS, Kombade SP, Nag VL. Rare Cases of *Ralstonia pickettii* infection associated with tonsillitis and wound infection. *J Med Bacteriol.* 2018; 7(3,4); 1-4.
3. S Dash, Kumar S, Nag VL, Gadepalli R. Baseline widal titre determination among the healthy population in jodhpur region, Rajasthan. In *J Sci Res* 2018 Vol 4(7), 10-12.
4. .Kmbade S, Abhishek KS, Nag VL. Fungal Pericarditis due to *Aspergillus nidulans*: A Rare Case Report. *Journal of Clinical and Diagnostic Research*, 2018, Sep, Vol-12(9): DD05-DD066 6.
5. Kombade SP. "An Introduction to Microbiology Designed for Allied Health Majors". *Acta Scientific Microbiology* 1.11 (2018): 11-13.
6. Abhishek KS, Kombade SP, Nag VL. Rare Cases of *Ralstonia pickettii* Associated with Tonsillitis and Wound Infection. *J Med Bacteriol.* 2018; 7 (3, 4):1-4.

#### **Workshops / Conference Organized**

1. 1<sup>st</sup> CME on community Acquired Pneumonia in Children. Organized by AIIMS, Jodhpur-ICMR, 23<sup>rd</sup> June, 2018
2. Antimicrobial Resistance: The global threat. Organized by AIIMS, Jodhpur, 1<sup>st</sup> & 2<sup>nd</sup> Feb 2019.
3. AIDS Day Quiz organized on AIDS day 2018, Organized by Department of Microbiology, AIIMS, Jodhpur, 1-12-2018.

#### **Eminent Visitors:**

1. Dr T.D. Chugh- Emeritus Professor, NAMS , New Delhi
2. Dr. S.C. Pareja-Vice Chancellor, Shri. Balaji University, Pondicherry.

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

##### **CME on Antimicrobial Resistance 2019: Report**

CME on antimicrobial resistance (AMR) 2019 held at All India Institute of Medical Sciences (AIIMS), Jodhpur on 1<sup>st</sup> and 2<sup>nd</sup> February 2019. The CME programme consisted of guest lectures by invited faculty, panel discussions, oral and poster paper presentations. A total of 11 lectures and 2 panel discussions were attended by around 80 delegates. The invited faculty had eminent names like Dr Tulsi Das Chugh, Dr Arti Kapil, Dr Rajni Gaiind, Dr Kamini Walia, Dr Harpreet Singh and Dr Aparna

Mukharjee. Lectures were also given by the senior faculty of AIIMS namely Dr Vijaya Lakshmi Nag, Dr Sneha Ambwani, Dr Jagdish Prasad Goyal, Dr Neeraj Gupta and Dr Nikhil Kothari.

Dr Chugh highlighted the global scenario while presenting the overview of antimicrobial resistance. The consumption pattern of antibiotics around the globe, the frequency of encounter of multidrug resistant organisms, the increased use of last resort antibiotics and how it is likely to worsen the situation by 2030. Dr. Walia stressed upon the need for AMS at national level as she showed the present surveillance network under ICMR in India. Dr Nag gave an informative talk on the AMR and AMSP activities at AIIMS, Jodhpur. Dr. Jagdish Prasad Goyal, Dr Neeraj Gupta & Dr Nikhil Kothari from AIIMS, Jodhpur, presented rational use of antibiotics in paediatric, neonatal, adult ICU in AIIMS, Jodhpur respectively. The first Panel discussion of the CME titled “Antimicrobial Resistance & Antimicrobial Stewardship Practices. The restricted use of reserve antibiotics in AMR control was stressed upon by Dr RajniGand, A lecture on molecular diagnosis of antimicrobial resistance was given by DrArtiKapil, Professor, Department of Microbiology (AIIMS, New Delhi). Dr. Harprit Singh, Scientist E from ICMR talked about the management and analysis of antimicrobial resistance data in his lecture. Dr Aparna Mukherjee, Early Career Fellow- Welcome Trust- India Alliance, Department of Paediatrics (AIIMS, New Delhi) talked about combating antibiotic resistance in Paediatrics. The last guest lecture of the CME was given by Dr. SnehaAmbwani, Prof & Head, Department of Pharmacology (AIIMS, Jodhpur) in which she discussed the role of pharmacokinetics and pharmacodynamics in AMSP.

**Name of Faculty: Dr. Vijaya Lakshmi Nag**  
**Designation: Professor & Head**

#### **Papers Presented:**

1. Nag V L, Dash N R. Biliary Ascaris – A Malignant Masquerade. 13<sup>th</sup> IHPBA World Congress of the International Hepato-Pancreato-Biliary Association, 4-7<sup>th</sup> September 2018, Geneva, Switzerland.

#### **Sessions Chaired:**

1. Antibiotic Resistance - The Global Threat, CME-2019 on Antibiotic Resistance, 1<sup>st</sup>& 2 Feb., 2019, AIIMS, Jodhpur, Jodhpur.
2. Zero waste management, HOSPICON -2018 Health care waste management conference cum workshop, 26<sup>th</sup>& 27<sup>th</sup> March 2018 at VMMC, Safdarjung hospital, New Delhi.

#### **Invited Lectures**

1. Infection in Stoma: Challenges in Diagnosis & Management ASSR 11(11th Congress of Asian Society of Stoma Rehabilitation, Intergroup building, 22-23 Feb 2019, at Osaka International Convention Centre, Toyosaki, Kitaku, Osaka, Japan.
2. Antimicrobial Resistance: and Antimicrobial Stewardship activity ( AMSP) at AIIMS, Jodhpur, CME-2019 on “Antibiotic Resistance”: Theme- Antibiotic Resistance - The Global Threat” 1-2 Feb., 2019 at AIIMS, Jodhpur.
3. Non tuberculous rapid growing mycobacterium and special reference to abdominal wound,,Scientific meeting of JIPMER, 5<sup>th</sup> April 2017, JIPMER, Pondicherry.

**Symposium Speaker**

1. Lab diagnosis of HIV infection, HIV symposium: Clinical challenges in HIV/AIDS Care; 30<sup>th</sup> September, 2018 at AIIMS, Jodhpur, Jodhpur.

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

1. Capacity building & Strengthening of Hospital Infection control to detect & prevent Antimicrobial Resistance in India.- CDC & ICMR Multicentric Project.
2. Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in North- Western Part of India, NCDC.
3. AIIMS, Jodhpur Regional Centre for Antimicrobial Resistance (AMR). ICMR
4. Regional Level Viral Research & Diagnostic laboratory, AIIMS, Jodhpur, DHR-ICMR

**➤ As Co-Investigator:**

1. UnDp\_Phase II study: "Strengthening laboratory surveillance for pneumococcal meningitis in India to understand the impact of pneumococcal conjugate vaccine (PCV) rollout".UNDP\_ICMR
2. Evaluation of patients for the presence of chronic pulmonary aspergillosis( CPA) and allergic bronchopulmonary aspergillosis ( ABPA) : Two significant entities in underdiagnosed in India.- Advanced Mycology laboratory. DHR-ICMR
3. Antimicrobial Resistance with Whole Genome Sequencing. Bangalore central research laboratory, KIMS Hospital & Research Centre, Bangalore, Global Health Research (NHS & Wellcome Trust) Multicentric Project
4. Initiating Antimicrobial Stewardship activities in hospitals in India Multicentric Project. ICMR

**❖ Completed:****➤ As Co-Investigator**

1. 1.Trend of laboratory confirmed cases of Diphtheria. Intramural Project. AIIMS Jodhpur Completed 2018.
2. 2.Hospital based Sentinel Surveillance of Streptococcus pneumoniae and other invasive bacterial diseases" ( HBSSSPIBD). ICMR. NIE, Chennai. ICMR, Multicentric Project.

**Scientific Awards/Patents**

1. Life time achievement in Health & Medical Sciences for the contribution and achievement in the field of Microbiology-VIWA Awards 2019, Chennai, India, 2<sup>nd</sup> March 2019.

**Examinership:**

1. MD Microbiology, Practical at S N Medical College, Jodhpur, Rajasthan, 6<sup>th</sup>& 7<sup>th</sup> June 2018
2. MBBS Microbiology, 2<sup>nd</sup> Professional Examination at Eras Medical College, Lucknow 20<sup>th</sup> to 22<sup>nd</sup> May 2018.
3. MD Microbiology Examiner at Hind Medical College, Lucknow 16<sup>th</sup>& 17<sup>th</sup> August 2018.

**National/ International Conferences attended:**

1. Thirteenth IHPBA World Congress of the International Hepato-Pancreato-Biliary Association, Geneva, Switzerland, 4-7<sup>th</sup> September 2018.
2. 11th Congress of Asian Society of Stoma Rehabilitation, Intergroup building. At Osaka International Convention Centre, Infections in stoma: Challenges in diagnosis and management. Toyosaki, Kitaku, Osaka, Japan. 22-23 Feb 2019.
3. CME-AIIMS, Jodhpur-IAP Respiratory Chapter Rajasthan Paediatric Pulmonary Update. Deptt. Of Paediatrics at AIIMS, Jodhpur. 20<sup>th</sup> January 2019.
4. CME-2019 on "Antibiotic Resistance": Theme- Antibiotic Resistance - The Global Threat" held at AIIMS, Jodhpur. Organised by Dept of Microbiology & Department of Paediatrics, AIIMS, Jodhpur, 1-2 Feb., 2019.
5. Lab diagnosis of HIV infection. In HIV symposium: Clinical challenges in HIV/AIDS Care; organized by Department of Medicine at AIIMS, Jodhpur on 30<sup>th</sup> September, 2018.
6. Good Clinical Practice. Current regulatory and ethical requirements for conducting clinical trials/ research in India, organized by Dept. of Pharmacology, AIIMS, Jodhpur in collaboration with CDSA, THSTI- Translational Health Science & Technology Institute & DBT, Ministry of Science & Technology, 4<sup>th</sup> & 5<sup>th</sup> May 2018.
7. HOSPICON -2018 Health care waste management conference cum workshop. VMMC, Safdarjung hospital, New Delhi. 26<sup>th</sup> & 27<sup>th</sup> March 2018.
8. Viral Research and Diagnostic Laboratories meeting, New Delhi, 4<sup>th</sup> & 5<sup>th</sup> June 2018.
9. Antimicrobial Resistance (AMR training) at ICMR, New Delhi. 21<sup>st</sup> August 2018.
10. Training of Master Trainer's on Rabies control program at National Centre for Disease Control (NCDC), Delhi. 11<sup>th</sup> & 12<sup>th</sup> October 2018.
11. Workshop & CME on Biomedical Waste Management (BMW), at New Delhi, 14<sup>th</sup> & 15<sup>th</sup> June 2018
12. Molecular Training in Rubella diagnosis at NIV, Pune, 23<sup>rd</sup> to 25<sup>th</sup> May 2018.
13. 13. Viral Research and Diagnostic Laboratories meeting at DHR, Red Cross Building, New Delhi. 4<sup>th</sup> & 5<sup>th</sup> June 2018.

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

**Designation: Additional Professor**

**Papers Presented:**

1. Sharma A, Veeraraghavan B, Singh K, Kumar P, Nag VL. Prevalent serotypes of Streptococcus pneumoniae isolated from Blood cultures: A study from Western Rajasthan. Oral paper presentation in MICROCON, 25<sup>th</sup> November – 1<sup>st</sup> December 2018, Bengaluru, India.
2. Evaluating the Trend of Bloodstream Infections: A Four Year Experience at a Newly Establishing Tertiary Care Hospital in Western India. Poster presentation in "ASM Microbe 2018 Conference", 8<sup>th</sup> – 11<sup>th</sup> June 2018, at Atlanta, USA.

**Sessions Chaired:**

1. Lab diagnosis of HIV infection, HIV symposium: Clinical challenges in HIV/AIDS Care; 30<sup>th</sup> September 2018 at AIIMS, Jodhpur, Jodhpur.

**Invited Speaker:-**

1. Isolates from corneal ulcers: A study from Western Rajasthan” AKSHICON, December 2018,AIIMS, Jodhpur, Jodhpur.
2. Investigations in Pneumonia: An update. ICMR-AIIMS Jodhpur 1st CME on Community Acquired Pneumonia in Children 23rd June 2018,AIIMS Jodhpur, Jodhpur.

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

1. Evaluation of patients for the presence of Chronic Pulmonary Aspergillosis (CPA) and Allergic Broncho- Pulmonary Aspergillosis (ABPA): two significant entities underdiagnosed in India. ICMR-DHR 2019.Advanced Mycology Laboratory with VRDL.

**➤ As Co-Investigator**

1. Co-PI. Grant in 2016 on “Hospital Based Sentinel Surveillance of Streptococcus pneumoniae and other invasive bacterial diseases (HBSSSPIBD)”.ICMR. Completed successfully. Now, IIInd phase started.
2. Co-PI in Global Health Research (NHS &Wellcome Trust) on Antimicrobial Resistance with Whole Genome Sequencing with KIMS, Bangalore.

**❖ Completed :****➤ As Principal Investigator****Intramural projects:-**

1. Trend of laboratory confirmed cases of Diphtheria. AIIMS Jodhpur.

**Examinership:**

1. MBBS 2nd Professional Final Examination, AIIMS, Raipur, December 2018.

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

Member –

1. Indian Association of medical Microbiology
2. Society of Human and animal mycology
3. American society of microbiology
4. Infectious disease society of India

**National/ International Conferences attended:**

1. MICROCON- 2018, Bengaluru, India,November 2018.
2. MYCOCON , New Delhi,on 22<sup>nd</sup> and 23<sup>rd</sup> September 2018.
3. ASM Microbe 2018 Conference” at Atlanta, USA on 8<sup>th</sup> – 11<sup>th</sup> June 2018.
4. ICMR-WHO-PGI Faculty Training Course in Medical Mycology and Molecular diagnosisat PGIMER Chandigarh, India.14-19th May 20

**Name of Faculty: Dr. Ravisekhar Gadepalli**

**Designation: Associate Professor**

**Papers Presented:**

1. Gadepalli R, **Nag VL, Singh V.**“Sero-diagnosis of suspected cases of Brucellosis attending a tertiary level hospital in Jodhpur” presented at 59<sup>th</sup> Annual Conference of Association of Microbiologists of India & International Symposium on Host Pathogen Interactions; 9<sup>th</sup> to 12<sup>th</sup> December 2018, School of Life Sciences, University of Hyderabad, Hyderabad.

**Sessions Chaired:**

1. HIV Drug resistance; HIV symposium: Clinical challenges in HIV/AIDS Care; 30<sup>th</sup> September, 2018 at AIIMS, Jodhpur, Jodhpur.

**Invited Lectures:**

1. Invited speaker for talk on “Next-generation Point-Of-Care Testing” in International Conference on Molecular basis of diseases and therapeutics (ICMBDT) -2019; 8<sup>th</sup> -11<sup>th</sup> March 2019; at Central University of Rajasthan, Ajmer, and Rajasthan.

**Resource Faculty:**

1. Protocol Design and Introduction to Evidence Based Medicine for PG and MPH Students, scheduled on 06<sup>th</sup> – 7<sup>th</sup> & 10<sup>th</sup> April, 2018, AIIMS Jodhpur

**Research Projects:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. Intramural project granted on “Molecular and serological techniques to detect DENV and CHIKV in suspected dengue-like syndrome patients: A pilot Study” Funded by AIIMS Jodhpur.

➤ **As Co-Investigator:**

1. Regional Level Viral Diagnostic Laboratory (VRDL) at AIIMS, Jodhpur under Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities “during the 12<sup>th</sup> Plan period; ICMR, DHR.
2. Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in North- Western Part of India, NCDC

❖ **Completed:**

➤ **As Principal Investigator :**

1. Intramural project granted on “Seroprevalance of Brucellosis in Western region of Rajasthan” Funded by AIIMS Jodhpur.

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

1. American Society For Microbiology (ASM)
2. American Heart Association (AHA)
3. Indian Association of Medical Microbiologists (IAMM)
4. Indian Association of Tropical Parasitology (Rajasthan Chapter)

**National/ International Conferences attended:**

1. International Conference on Molecular basis of diseases and therapeutics (ICMBDT) -2019 at Central University of Rajasthan, Ajmer, and Rajasthan 8<sup>th</sup> -11<sup>th</sup> March 2019.
2. Attended 59th Annual Conference of Association of Microbiologists of India & International Symposium on Host Pathogen Interactions; School of Life Sciences, University of Hyderabad held on 9th to 12th December 2018.
3. Meeting regarding SWINE FLU organized by Directorate, Department of Medical Health services, Jaipur & Government of Rajasthan.
4. 59th Annual Conference of Association of Microbiologists of India & International Symposium on Host Pathogen Interactions; School of Life Sciences, University of Hyderabad held on 9th to 12th December 2018.
5. HIV Symposium-2018 held on 30th September 2018 by Department of Medicine at AIIMS Jodhpur.30 September 2018.
6. Joint Leadership Conclave-2018 OnHealthcare Technologies Held, conducted by AIIMS and IIT Jodhpur.3rd and 4th December 2018.
7. 4 day Training and Certificate course on "IA & QMS training program as per 15189 & NABL 112" Conducted at SN Medical College Jodhpur from 19th to 22nd December 2018.
8. CME -2019 on "Antibiotic Resistance" Conducted by Dept. of Microbiology, AIIMS Jodhpur on 1st and 2nd February 2019.

**Name of Faculty: Dr. Vibhor Tak**  
**Designation: Associate Professor**

**Papers Presented:**

1. 1.Yadav B, Gupta N, Sasidharan R, Tak V, Sharma A, Nag VL, Singh K. Alarming rates of antimicrobial resistance and fungal sepsis among neonates in western Rajasthan. CME on Antibiotics resistance 2019,1st-2nd February 2019,AIIMS Jodhpur.
2. Agarwal A, Yedale K, Tak V, Nag VL. Vancomycin resistant Enterococci (VRE): An emerging global threat in urinary tract infections. CME on Antibiotics resistance 2019,1st-2nd February 2019,AIIMS Jodhpur.

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

1. Prevalence of intestinal parasitic infection in undernourished children attending health care facilities in western Rajasthan. AIIMS Jodhpur.

### ➤ As Co-Investigator

1. Capacity building and strengthening of hospital infection control to detect and prevent antimicrobial resistance in India. CDC, USA, AIIMS New Delhi.
2. All India Institute of Medical Sciences Jodhpur: Regional center for antimicrobial resistance surveillance network. ICMR, New Delhi.
3. Initiating antimicrobial stewardship activities in hospitals in India. ICMR, New Delhi.
4. NHS Welcome trust project on antimicrobial resistance Surveillance. Welcome trust, St. John's Medical College, Bengaluru.
5. 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.
6. Epidemiology of community and hospital acquired urinary tract infection of patients attending Urology OPD in AIIMS Jodhpur. AIIMS Jodhpur.

### Examinership

1. MBBS. AIIMS Jodhpur, 17<sup>th</sup>-19<sup>th</sup> December 2018
2. MBBS Supplementary Exam. AIIMS Jodhpur, 20<sup>th</sup> February 2019.

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

1. Diplomate of Royal College of Pathologists; Royal College of Pathologists, UK
2. Member of National Academy of Medical Sciences; National Academy of Medical Sciences.

### National/ International Conferences attended:

1. ICMR workshop on broth microdilution for testing antifungal and antimicrobial agents. PGIMER Chandigarh, PGIMER Chandigarh, April 2018
2. HIV Symposium. AIIMS Jodhpur, AIIMS Jodhpur, 30<sup>th</sup> September 2018.
3. CME on Antimicrobial Resistance 2019. Department of Microbiology AIIMS Jodhpur, AIIMS Jodhpur, 1<sup>st</sup>-2<sup>nd</sup> February 2019.
4. TB CME. Department of Microbiology SNMC Jodhpur, Marugarh Resorts, 23<sup>rd</sup>-24<sup>th</sup> February 2019.

**Name of Faculty: Dr. Sarika P. Kombade**

**Designation: Assistant Professor**

### Papers Presented:

1. Kombade SP, Sharma A, Tak V, Nag VL, Sinha A, Misra S. `Trends and awareness of Biomedical Waste management among healthcare workers at AIIMS Jodhpur`. ISHWMCON 2018, 1<sup>st</sup> December 2018. AtalBihari Vajpayee Scientific Convention Center, KGMU Lucknow.
2. Khan Salman, Kombade Sarika, Nag Vijaya Lakshmi, ` Study of non-fermenting gram negative bacilli from pyogenic infection in tertiary care centre, Jodhpur`, CME AMR, 1<sup>st</sup> February 2019, AIIMS Jodhpur, Jodhpur.
3. Jitu Mani Kalita, Sarika Kombade, Vijaya Lakshmi Nag. `Drug Resistant Superbugs in Pyogenic Infections: A Major Challenge`, CME AMR, 1<sup>st</sup> February 2019, AIIMS Jodhpur, Jodhpur.



**Invited Lectures**

1. `Experiences on antimicrobial stewardship practices in AIIMS Jodhpur`, 1<sup>st</sup> ASPICON 2018, 4<sup>th</sup> December 2018, AIIMS Rishikesh, Rishikesh.

**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.
2. Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan.

**➤ As Co-Investigator**

1. Regional Level Viral Diagnostic Laboratory (VRDL) at AIIMS, Jodhpur under Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities during the 12th Plan period; ICMR, DHR.
2. Strengthening laboratory capabilities of AIIMS, Jodhpur for diagnosis & control of rabies in North- Western Part of India, NCDC
3. `NHS/ Wellcome Trust Project on Anti-Microbial resistance surveillance`, KIMS/GHRU, Bangalore. Collaboration with KIMS/GHRU, Bangalore.

**❖ Completed:****➤ As Principal Investigator**

1. STS research Project-2018 entitled `Clinico-Mycolological Profile of Vulvovaginal Candidiasis in Tertiary Care Hospital, Western Rajasthan.`

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

1. Member of National Academy of Medical sciences (MNAMS), NAMS Delhi
2. Life member , Association of Medical Microbiology (IAMM)
3. Member of Vidarbha Association of Medical Microbiology, VAMM

**National/ International Conferences attended:**

1. ISHWMCON 2018. Organized by KGMU, Lucknow , 1-2<sup>nd</sup> December 2019.
2. 1<sup>st</sup> ASPICON 2018. Organized by AIIMS Rishikesh, 3-4 th December 2019.
3. Anaerobe workshop on `Know anaerobe-grow anaerobe`. Organized by BJMC Pune, 27-29 June 2018.
4. Regional Workshop on Diagnosis on Rabies at NIMHANS –Bangalore in 23-27 March 2019.
5. AMR CME at AIIMS Jodhpur on 1-2 February 2019.
6. HIV Symposium-2018 held on 30th September 2018 by Department of Medicine at AIIMS Jodhpur. 30 September 2018.
7. Joint Leadership Conclave-2018 On Healthcare Technologies Held, conducted by AIIMS and IIT Jodhpur. 3rd and 4th December 2018.

**Name of Faculty: Dr. Vidhi Jain**  
**Designation: Assistant Professor**

**Conferences attended**

1. AMR CME at AIIMS Jodhpur on 1-2 February 2019.



Inaugural session of of the workshop



Enthusiastic participants of the workshop



Participants of workshop



Lamp lighting ceremony at workshop inauguration

## Department of Neonatology

S.No.	Name	Designation
1	Dr. Neeraj Gupta	Associate Professor

### About the Department:

The Department of Neonatology is running a six-bedded Neonatal ICU, along with step-down area and Neonatal follow up clinic for high-risk neonates. It caters to both inborn and outborn neonates along with both medical and surgical cases. The last year annual admission rate was 236 patients (both inborn and outborn), which is around 12% of the total deliveries. The overall survival rate of extremely low birth weight and very low birth weight infants is 60% and 73% respectively. The neonatal follow-up rate is quite good for initial 3-6 months. Recently, we have added therapeutic hypothermia services in the existing armamentarium for treating infants with moderate to severe hypoxic-ischemic encephalopathy. We are also doing universal pulse oximeter screening and screening for congenital hypothyroidism in all healthy inborn infants. Hearing screening is also being done among inborn infants.

The department has also started DM (Neonatology) program in July 2018 with two DM residents at present. The Department is actively involved in UG, PG and sub-specialty teaching and training. The department is also actively involved in research with papers and posters being presented at national level.

The department has attempted to help the state at large by capacity building and helping in rolling out CPAP services across the Special Newborn Care Units (SNCUs) of Rajasthan. Moreover, department has also contributed to the development of state-of-the-art teaching & learning material in form of Preterm Baby Package (AIIMS, Delhi) and Standard Treatment Workflows (STW) (by ICMR) to help health care professionals working at SNCUs & level II neonatal units all across India.

There is a plan to expand the neonatal services in coming year along with start of various Quality Improvement projects and research projects focusing on public health at large.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. Modi M, Ramji S, Jain A, Kumar P, Gupta N. Early Aggressive Enteral Feeding in Neonates Weighing 750-1250 Grams: A Randomized Controlled Trial. *Indian Pediatr.* 2019;56:294-298.
2. Kumar P, Kaushal D, Garg PK, Gupta N, Goyal JP. Subglottic hemangioma masquerading as croup and treated successfully with oral propranolol. *Lung India.* 2019;36:233-235.
3. Sasidharan R, Gupta N, Chawla D. Dopamine versus epinephrine for fluid-refractory septic shock in neonates. *Eur J Pediatr.* 2019;178:113-114.

**Non-Pubmed Indexed:**

1. Kumar P, Gupta N, Khera D, Singh K. Pseudo-bartter Syndrome as the Initial Presentation of Cystic Fibrosis in Infants: A Series of Three cases and Review of Literature. *J Clin Diagn Res.* 2018;12:01-03.
2. Pathak M, Saxena R, Gupta N, Sinha A. Chylothorax mimicking as anastomotic leak in a case of esophageal atresia. *J Clin Neonatol.* 2018;7:279-81.

**Workshops/ Conferences Organized**

1. Neonatal Ventilation Workshop organized by Department of Neonatology at AIIMS, Jodhpur from 6-8<sup>th</sup> Sep, 2019
2. Facility Based Integrated Management of Neonatal & Childhood Illness (F-IMNCI) TOT organized by Department of Neonatology at AIIMS, Jodhpur from 10-14<sup>th</sup> Sep, 2019

**Books/Chapters**

1. Gupta N. Transient Tachypnea of the Newborn. In: *The Handbook of Neonatology*, Rama Bhat, Praveen Kumar, Dharampuri Vidasagar (editors), 1<sup>st</sup> ed, New Delhi, Indian Journal of Pediatrics; 2018;p245-50.

**Papers Presented:****Co-Author**

1. Chawla D, Bajaj R, Verma S, Sarwa A, Thukral A, Gupta N, Kumar P, Deorari. Quality improvement in Special Newborn Care Units (SNCU) of Madhya Pradesh (MP). *Pediatric Academic Societies Meeting*; 5<sup>th</sup>-8<sup>th</sup> May 2018, Toronto, Canada
2. Yadav B, Gupta N, Sasidharan R, Tak V, Sharma A, Nag V, Singh K. Alarming rates of antimicrobial resistance and fungal sepsis among neonates in Western Rajasthan: A retrospective cohort study. *CME on Antibioitcs Resistance - The Global Threat*; 1<sup>st</sup> & 2<sup>nd</sup> Feb 2019, AIIMS, Jodhpur
3. Sasidharan R, Gupta N, Yadav B, Deora S, Shama A, Nag V, Singh K. Successful treatment of fungal endocarditis by dual antifungal therapy in a very preterm infant: A case report. *CME on Antibioitcs Resistance - The Global Threat*; 1<sup>st</sup> – 2<sup>nd</sup> Feb 2019, AIIMS, Jodhpur
4. Rajput V, Sandhya, Priya, Vandana, Praveen, Gupta N. Improving duration of Kangaroo Mother Care in a Special Neonatal Care Unit: A quality improvement initiative. *38<sup>th</sup> Annual Convention of National Neonatology Forum (NEOCON)*, 13<sup>th</sup> -16<sup>th</sup> Dec 2018, Varanasi
5. Khera D, Gupta N, Sureka B, Patro S. Tracheo-innominate artery fistula: A rare and fatal complication of tracheostomy. *Annual Conference of IAP Respiratory Chapter (REESPICON)*, 23<sup>rd</sup>-26<sup>th</sup> Nov 2018, Indore

**Invited Lectures**

1. Neonatal Transport, State Conference by NHM, Rajasthan; 16<sup>th</sup> May 2018, SIHFW, Jaipur
2. Feeding Intolerance & GERD in Neonates, NeoNutricon; 10<sup>th</sup> June 2018, SDMH, Jaipur
3. Neonatal Pneumonia, 1<sup>st</sup> CME on Pediatric Pneumonia; 23<sup>rd</sup> June 2018, AIIMS, Jodhpur
4. Optimizing Nutrition in Preterm Neonates, Nestle Nutricon; 16<sup>th</sup> Aug 2018, JW Marriott Hotel, Jodhpur

5. Enteral Nutrition in Preterm Neonates, Guest lecture; 23<sup>rd</sup> Sep 2018, SP Medical College, Bikaner
6. Getting Ready For Discharge, 11<sup>th</sup> National Conference of IAP Neonatology Chapter (IAPNEOCON 2018, MAHANECON2018 & NEOHEMODYNAMICS 2018); 27-30<sup>th</sup> Sep, 2018, Pune
7. Management of Perinatal Asphyxia, PERICON, 4-5<sup>th</sup> Oct 2018, Birla Auditorium, Jaipur
8. Antimicrobial Stewardship, CME on 'Infection Prevention in Health Facilities'; 30<sup>th</sup> Oct, 2018, SIHFW, Jaipur (web talk)
9. Improving Newborn Care Services in Labour Room and Operation Theaters, Dakshata and Laqshya Review Meeting; 9<sup>th</sup> March 2019, SIHFW, Jaipur

#### **Resource Faculty:**

1. Training Workshop for Roll out of Laqshya Program, 17-18<sup>th</sup> Sep 2018, AIIMS, New Delhi
2. Advanced NRP Workshop, 29<sup>th</sup> July 2018, CKS Hospital, Jaipur.
3. Neonatal Ventilation Workshop, 27-31<sup>st</sup> March 2019, AIIMS, New Delhi
4. Neonatal Ventilation Workshop, 21-22<sup>nd</sup> April 2018, Neo Clinic Hospital, Jaipur
5. Neonatal Ventilation Workshop, 27-31<sup>st</sup> March 2019, AIIMS, New Delhi

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Co-Investigator**

1. Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India, CDC & ICMR, Delhi, AIIMS, Delhi
2. Prevalence of intestinal parasitic infection in undernourished children attending Health care facilities in Western Rajasthan (Intramural project)
3. Molecular and serological techniques to detect DENV and CHIKV in suspected dengue-like syndrome patients, ICMR, Delhi
4. Congenital Rubella Syndrome Surveillance in India: multicentric extramural project funded by ICMR, Delhi

#### **Examinership**

1. Supplementary Examination of undergraduates in the subject of Pediatrics, JLN Medical College, Ajmer, 2<sup>nd</sup> July, 2018
2. Examination of the undergraduate students in the subject of Pediatrics, Dr. SN Medical College, Jodhpur, 28-30<sup>th</sup> Jan, 2019
3. Examination of the undergraduate students in the subject of Pediatrics, JLN Medical College, Jodhpur, 21-23<sup>rd</sup> Jan, 2019

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

1. Good Clinical Practice – Current regulatory and ethical requirements for conducting clinical trials/research in India including Schedule Y, Department of Pharmacology, AIIMS Jodhpur, 4<sup>th</sup> to 5<sup>th</sup> August 2018
2. Workshop on "Bayley Scale of Infant and Toddler Development- Third edition, Department of Pediatrics, AIIMS, Jodhpur

## Details of the workshops organized by Department of Neonatology

### Neonatal Ventilation Workshop

Neonatal Ventilation Workshop was organized by Department of Pediatrics from 6-8<sup>th</sup> Sep, 2019. Fifty delegates from all over Rajasthan attended it. There were a total of 10-resource person including faculty from AIIMS, Delhi, PGI Chandigarh and MAMC Delhi. The workshop comprised of didactic lectures via powerpoint presentations and on board with markers, works stations, case studies and panel discussion. All aspects from physiology to bedside ventilator settings were covered during the workshop. Moreover, allied neonatal issues like nursing care, supportive care, nutrition and follow up including screening for ROP & IVH/PVL were discussed in form of case studies and panel discussion.



Felicitation of the faculty of the workshop



Panel discussion



Address by Director - Prof. Sanjeev Misra



Address by Dean (Academics) & HOD (Pediatrics) - Prof. Kuldeep Singh



### F-IMNCI TOT

Facility based- Integrated Management of Newborn & Childhood Illnesses (F-IMNCI) Training of Trainers (TOT) workshop was organized by Department of Pediatrics from 10-14<sup>th</sup> Sep, 2019. It was fully funded by state NHM. Eighteen delegates who were working as faculties in different medical colleges and district hospitals of Rajasthan participated in it. There were four resource persons from Dr. SN Medical College and AIIMS, Jodhpur. The entire structured module of F-IMNCI was covered with more than 50% of the time being spent on the practical part. A lot of videos demonstrating various signs were shown. Many case studies were also discussed as per the structured module.



Livedemonstration to participants by facilitator



Interactive session with participants



Video demonstration



Live demonstration to participants by facilitator

## Department of Nephrology

S.No.	Name	Designation
1	Dr. Nitin Kumar Bajpai	Assistant 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 and also supports research related to Nephrology. AIIMS Jodhpur got permission for Organ retrieval and transplantation for Kidney and soon AIIMS, Jodhpur will have renal transplant facility.

### Papers

#### Pubmed Indexed:

1. Bajpai NK, Bajpayee A, Charan J, Pareek P, Elhence P, Kirubakaran R. Interventions for treating antibody-mediated acute rejection in kidney transplant recipients. Cochrane Database of Systematic Reviews 2018(5):CD013033.
2. Bohra GK, Meena DS, Bajpai N, Purohit A. Focal segmental glomerulosclerosis in a patient with prefibrotic primary myelofibrosis. BMJ Case Reports. 2018(4):pii: bcr-2017-223803.

**Name of Faculty: Dr. Nitin Kumar Bajpai**

**Designation: Assistant Professor**

### Invited Lectures

1. microRNA in Renal Disease, North Zone Indian Society of Nephrology, 26<sup>th</sup> -28<sup>th</sup> February, Shimla.

### National/ International Conferences attended:

1. 49<sup>th</sup> Indian Society of Nephrology Conference- ISNCON -2018. Organized by Cuttack Medical College, Bhubaneswar 20<sup>th</sup>- 23<sup>th</sup> December 2018
2. North Zone Indian Society of Nephrology Conference- NZISCON-2019 Organized by IGMC Shimla from 26<sup>th</sup> -28<sup>th</sup> Feb,2019

## Department of Neurology

S.No.	Name	Designation
1	Dr. Samhita Panda	Additional Professor

### About The Department

The Department of Neurology started the DM course in Neurology in July 2018 and the first two candidates were inducted. Regular academic program for training has been started. Thesis protocols were submitted and work on the dissertations has started. The out patient and in patient services have grown significantly. Approximately 1167 patients are seen per month in the outpatient and around 41 patients are admitted per month. The inpatient admissions have also progressively increased with many patients being admitted from Emergency and in the ICU. The stroke patients are now offered intravenous thrombolysis within the window period with additional thrombectomy services offered by the department of Diagnostic and Interventional Radiology. This year, 108 stroke patients were admitted and 18 received thrombolysis. Electrophysiology services were further expanded in the department providing services to both outpatients and inpatients amounting to total of 1729 tests. Upto 31<sup>st</sup> March 2019, 1057 EEGs were done. In addition, 376 nerve conduction studies, 148 electromyography studies, 97 evoked potential studies and 36 repetitive nerve stimulation tests were done during the same period. The presurgical workup for drug resistant epilepsy has been initiated in the department and 14 video EEGs were done. 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**

### Publications:

#### Pubmed Indexed:

1. Panda S. Cross-sensitivity of Levetiracetam and Carbamazepine induced skin rash. JAPI 2019;67:89-90.
2. 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;8:1500-3.

#### Non-Pubmed Indexed:

1. Arora H, Mohanty A, Panda S, Parekh S. Statin induce de-novo late onset myasthenia gravis after coronary bypass surgery. Paripex-Indian Journal of Research 2018;7(7):137-138.

**Papers Presented:**

1. Panda S, Verma D, Budania A, Bharti JN, Sharma RK. Ross Syndrome: clinical and laboratory correlates and review of literature. Presented at 26<sup>th</sup> annual conference of the Indian Academy of Neurology at Raipur from 27<sup>th</sup>-30<sup>th</sup> September 2018.
2. Panda S, Sharma S, Jain S. Early childhood onset “episodic weakness”- a diagnostic challenge. Presented at 4th Annual Conference of Movement Disorders Society of India - MDSICON 2019, held from 22<sup>nd</sup> - 24<sup>th</sup> February 2019 in New Delhi, India.

**Sessions Chaired:**

1. Invited as chairperson of Award paper in Epilepsy session during the 26<sup>th</sup> annual conference of the Indian Academy of Neurology at Raipur from 27<sup>th</sup>-30<sup>th</sup> September 2018.

**Invited Lectures:**

1. Faculty and resource person for the Indian Epilepsy School 2018 at Uday Samundra, Kovalam, Kerala from 2<sup>nd</sup> to 5<sup>th</sup> August 2018. Delivered talk on ‘Autoimmune Epilepsies’.
2. Invited as faculty to deliver talk ‘Video EEG- principles and procedures ’ at ECON 2019 at Eros International, Delhi from 8<sup>th</sup>-10<sup>th</sup> March 2019.

**Resource Faculty:**

1. Faculty and resource person for the Indian Epilepsy School 2018 at Uday Samundra. Kovalam, Kerala from 2<sup>nd</sup> to 5<sup>th</sup> August 2018.,

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Collaborator of the Genomics for Understanding Rare Diseases India Alliance Network (GUARDIAN) <http://guardian.meragenome.com>.

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

1. Member of American Association of Sleep Medicine
2. Movement Disorder Society of India
3. American Academy of Neurology

**National/ International Conferences attended:**

1. 4th Annual Conference of Movement Disorders Society of India - MDSICON 2019, held in New Delhi from 22<sup>nd</sup> - 24<sup>th</sup> February 2019.
2. 26<sup>th</sup> Annual conference of the Indian Academy of Neurology, held at Raipur from 27<sup>th</sup>-30<sup>th</sup> September 2018.
3. Indian Epilepsy School 2018 at Uday Samundra, Kovalam, Kerala from 2<sup>nd</sup> to 5<sup>th</sup> August 2018.
4. ECON 2019 at Eros International, Delhi from 8<sup>th</sup>-10<sup>th</sup> March 2019.

**Workshops/ Conferences Organized:**

1. Part of the Scientific Committee of AIIMS Somnocon held on 23<sup>rd</sup>-24<sup>th</sup> February 2019.
2. Part of the Organizing Committee of Slide Workshop cum CME in Neuropathology held on 9<sup>th</sup> March 2019.
3. Part of the Scientific Committee of the Rajasthan Neurosciences Update 2019 held on 23<sup>rd</sup>-24<sup>th</sup> March 2019.

**Reviewer of journals**

1. Indian Journal of Medical Research
2. Annals of Indian Academy of Neurology
3. Neurology India
4. General Hospital Psychiatry
5. Medical Principles and Practice
6. International Journal of Epilepsy
7. International Journal of Medicine and Public Health
8. Annals of National Academy of Medical Sciences (India)

## Department of Neurosurgery

S.No.	Name	Designation
1	Dr. Deepak Kumar Jha	Professor & Head
2	Dr. Suryanarayanan Bhaskar	Additional Professor
3.	Dr. Mayank Garg	Associate Professor
4.	Dr. Kokkula Praneeth	Assistant Professor (Trauma & Emergency)

### About the Department

After inception in June 2017 at AIIMS Jodhpur, the Department of Neurosurgery gathered pace in 2018-19 with increasing number of patients in OPD and IPD. Apart from Rajasthan, the Department is attending patients from various parts of north India and providing the best possible treatment to the poorest.

The Department has been routinely performing neuro-oncology procedures, vascular surgeries, skull base procedures, neuroendoscopy, spine surgery, pediatric neurosurgery, neurotrauma and peripheral nerve surgeries. With the arrival of latest technology equipments like operating microscope, ultrasonic aspirator, neurophysiological monitoring system and High-speed drills, the quality of surgeries and state of the art care provided currently can match the best in the country. The department runs OPDs and OTs 5 days a week with 24x7 emergency services. In 2018-19, the total number of admissions in IPD was 532 and 283 surgeries were performed including 47 emergency procedures.

The three-year MCh training program started in July 2018 and two candidates are being enrolled every 6 months. Residents have extensive training program, which includes regular clinical case presentations, journal clubs, morbidity and mortality meetings, seminars, and teaching ward rounds. External experts with eminent neurosurgical experience from the city (working in both public and private healthcare facilities) attend clinical teaching classes every Saturdays, which is attended by faculties and residents of departments of neurosurgery, neurology and psychiatry of AIIMS and MDM Hospital. Such clinical teaching classes further enhance clinical skills of the trainee residents of the institute. The residents have attended neurosurgical foundation course conducted by NSI (Neurological Society of India) which is a stepping-stone for them before they start core neurosurgery. The Department also moderates monthly neurosciences meet (Jodhpur Neurosciences Meet) wherein various experts of Jodhpur city pertaining to the field of neurosciences share their work and there is mutual exchange of experiences of their respective specialties. The Department for the first time organised a national level conference – “Rajasthan Neurosciences Meet” in March 2019, which was attended by various experts and delegates from all over the country. The scientific deliberations and didactic lectures by the esteemed faculties enthralled the delegates and was a grand success. The Department has also won the bid to host the skull base conference 2020 which will an international level conference.

The Department is also engaged in research work, which include investigator-initiated studies. We have an intramural project running in our Department “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.

The department has produced publications in various esteemed journals during this period.

The faculty members were invited as external experts for MCh examinations at various institutes and delivered lectures in various scientific workshops and conferences.

In the coming years, the department strives to reach greater heights with more dedicated faculty and devoted students joining the department in future. Functional neurosurgery, Epilepsy surgery and Psychosurgery are the few of advanced services, which the department will be initiating soon.

### **Compiled list of Publications of the department:**

#### **Publications:**

##### **Pubmed Indexed:**

1. Agrawal M, Garg M, Kumar A, Singh PK, Satyarthee GD, Agrawal D, Chandra PS, Kale SS. Management of Pediatric Post Traumatic Thoracolumbar Vertebral Body Burst Fractures Using Single Stage Posterior Transpedicular Approach. *World Neurosurg.* 2018 Sep;117:e22-e33.
2. Garg M, Shambanduram S, Singh PK, Sebastian LJD, Sawarkar DP, Kumar A, Gaikwad S, Chandra PS, Kale SS. Management of Pediatric Posterior Circulation Aneurysms-12-Year Single-Institution Experience. *World Neurosurg.* 2018 Aug;116:e624-e633.
3. Garg M, Kumar A, Sawarkar DP, Singh PK, Agarwal D, Kale SS, Mahapatra AK. Traumatic Lateral Spondyloptosis: Case Series. *World Neurosurg.* 2018 May;113:e166-e171.
4. Sobti S, Bhaskar S, Sharma RK, Choudhary A. Pneumorrhachis following Chest Injury: A rare Entity. *Asian J Neurosurg.* 2018 Apr-Jun;13(2):440-441.
5. Sharma V, Bhaskar S, Kumar A, Bhardwaj M. Conus melanocytoma. A rare spinal tumor. *Neurol India.* 2019 Mar-Apr;67(2):591-595.
6. Jha DK. Frugal Malleable Micro-Dissectors and Arachnoid Knives for Microneurosurgery. *World Neurosurg.* 2018 Apr;112:148-152.
7. Chaturvedi M, Kumari R, Chaturvedi S, Jha DK. Congenital Skull Anomaly with Multiple Brain Stones and Symptomatic Meningioma of Medial Sphenoid Wing: Case Report. *Asian J Neurosurg.* 2018 Jul-Sep;13(3):822-825.
8. Jha DK, Jain M, Pant I, Kumari R, Goyal R, Arya A, Kushwaha S. Endoscopic Treatment of Hydrocephalus with Minimal Resources: Resource Utilization and Indigenous Innovation in Developing Countries like India. *Asian J Neurosurg.* 2018 Jul-Sep;13(3):607-613.

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

1. Monthly "Jodhpur Neurosciences Meet" in the months of May, June, August, October and November 2018
2. "Rajasthan Neurosciences Update 2019" was organized in the month of March 2019.

#### **Eminent Visitors:**

1. Seventeen eminent visitors had attended "Rajasthan Neurosciences Update 2019" and delivered lectures. List attached:



S.N.	Name	Organization
1.	Dr. BS Sharma	MGMC & Hospital, Jaipur
2.	Dr. SK Gupta	PGIMER, Chandigarh
3.	Dr. Sanjay Behari	SGPGI, Lucknow
4.	Dr. Shailesh B Gaikwad	AIIMS Delhi
5.	Dr. Pramod Kr Pal	NIMHANS, Bengaluru
6.	Dr. Ashok Jaryal,	AIIMS, Delhi
7.	Dr. Girish Rajpal	Max, Delhi
8.	Dr. Paritosh Pandey	Manipal Hospital, Bengaluru
9.	Dr. Deepak Agarwal	AIIMS Delhi
10.	Dr. Arivazhagan A	NIMHANS, Bengaluru
11.	Dr. Pravin Salunke	PGI, Chandigarh
12.	Dr. Dushyanth Thaman	KD Hospital, Amritsar
13.	Dr. CB Tripathi	IHBAS, Delhi
14.	Dr. Selora Sahu	TMH, Jamshedpur
15.	Dr. Amlan Swain	TMH, Jamshedpur
16.	Dr. Kameshwar Prasad	AIIMS Delhi
17.	Dr. Dwarakanath Srinivas	NIMHANSBengaluru
18.	Dr. Chaturbhuj Rathore	Smt. B.K. Shah Medical Institute & Reserch Center, Vadodara, Gujarat

### “Rajasthan Neurosciences Update 2019”: Summary

(Venue: Auditorium, AIIMS Jodhpur)

The Rajasthan Neurosciences Update 2019 was organized on March 23-24 at AIIMS, Jodhpur. It was attended by around 100 delegates (89 online registrations, list attached) from all over Rajasthan. Approximately 250 participants attended Students workshop, which included both students, delegates and faculty members of AIIMS and MDM hospital.

#### Students' workshop on March 23 (11 am-1 pm)

It was attended by over 300 participants, which included students (medical and nursing), doctors (private and public hospitals) of Rajasthan and faculty members of AIIMS and MDM hospitals. It was conducted by

1. Dr. Deepak Agrawal (AIIMS, New Delhi): Topic: 'Communication & Interpersonal skills'.
2. Dr. Pratap Sanchetee (Medipulse Hospital): Topic: How to Prepare a presentation for a conference'.

**CME (23-24 March 2019):**

The invited faculty for the update included senior faculty members from AIIMS New Delhi/PGI Chandigarh (retired/working) like Dr. BS Sharma, Dr. SK Gupta, Dr. Kameshwar Prasad, Dr. Vinay Goyal, Dr SB Gaikwad. From NIMHANS, Bengaluru: Dr. Dwarakanath, Dr. Arivazhagan.

Other distinguished guest faculty members: Dr. Chaturbhuj Rathore (Neurology, Vadodara, Gujarat), Dr. Dushyant Thaman (Neurosurgery, Amritsar), Dr. Girish Rajpal (Neurosurgery, Max Hospital, New Delhi), Dr. Paritosh Pandey (Neurosurgery, Manipal Hospital, Bengaluru), Dr. Amlan Swain & Dr. Seelora Sahu (TMH, Jamshedpur) among others.

There were various presentations by the experts on a wide range of topics related to neuroscience that included medical and surgical managements of stroke, epilepsy, movement disorder and Aneurysms (endovascular and surgical treatment). Experts also deliberated on neuroanaesthesia, and Intraoperative Neurophysiological Monitoring (IONM). Experts in their fields also did operative video presentations of skull base procedures.

'Endoscopic Third ventriculostomy teaching module' (skull model) was available during the update for the young neurosurgeons to practice endoscopic third ventriculostomy (ETV).

The Inauguration Function was held at the AIIMS, auditorium on March 23, 2019. The chief guest was Dr. Kuldeep Singh (Dean Academics, AIIMS Jodhpur) and the other guests of honour were Dr. Surjit Ghatak (Dean Students Welfare, AIIMS Jodhpur), Dr. SN Mathuriya (Medipulse Hospital, Jodhpur), Dr. BS Sharma (Head of Department, Neurosurgery, MGMCH, Jaipur) and Dr. Arvind Sinha (Medical Superintendent, AIIMS Jodhpur).

**Name of Faculty: Dr. Deepak Kumar Jha**  
**Designation: Professor & Head**

**Papers Presented as Guest Faculty:**

1. Jha DK. Customized 3D models for surgical planning and teaching/training. 25th UP-UK-Neurocon 2019, Kanpur, Uttar Pradesh. 2-3 February 2019.
2. Jha DK. Customized 3D models for surgical planning and teaching/training. 5th AIIMS Annual Neurotrauma Conference (ANTC 2018), AIIMS Delhi. 26-28 October 2018.
3. Jha DK. Prevention of Road traffic accidents in India: are we doing enough? 5th AIIMS Annual Neurotrauma Conference (ANTC 2018), AIIMS Delhi. 26-28 October 2018.
4. Jha DK. Management of Large Brain Tumors. Slide Workshop Cum CME on Neuropathology. AIIMS Jodhpur. 9 March 2019.
5. Jha DK. 3D Printing and Model making for preoperative planning, Intra-operative assistance and training in Skull base Surgery. 20th Annual Conference of Skull Base Society of India. Dayanand Medical College and Hospital, Ludhiana. 1-3 November 2018.

**Sessions Chaired:**

1. CME Symposium on Cranioplasty, 5th AIIMS Annual Neurotrauma Conference, AIIMS Delhi from October 26-28, 2018).
2. Joint Leadership Conclave 2018, AIIMS Jodhpur.

**Resource Faculty:**

1. 67<sup>th</sup> Annual Conference of Neurosurgical Society of India (NSICON 2018), Jaipur Exhibition and Convention Center, Jaipur ,13-16 December 2018.
2. Leadership Conclave on Healthcare Technologies, AIIMS Jodhpur, 3-4 December 2018.
3. Rajasthan Neurosciences Update 2019. AIIMS Jodhpur, 23-24 March 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Methylmethacrylate Inter-Facetal and Inter-Vertebral Body Spacers in Cranio-Vertebral Junction (CVJ) and Various Spine Surgeries. AIIMS Jodhpur.
2. Jha S, Jha DK. Development of protocol for isolation of primary microglia from human brain tissue. AIIMS Jodhpur-IIT Jodhpur Collaboration.

**Examinership**

1. MCh, Neurosurgery. MDM Hospital, Jodhpur, July 2018.

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

1. Membership; Cerebrovascular Society of India. (September 2018)

**National/ International Conferences attended:**

1. 25th UP-UK-Neurocon 2019, Kanpur, Uttar Pradesh, 2-3 February 2019.
2. 5th AIIMS Annual Neurotrauma Conference (ANTC 2018), AIIMS Delhi. 26-28 October 2018.
3. Slide Workshop Cum CME on Neuropathology. AIIMS Jodhpur. 9 March 2019.
4. 20th Annual Conference of Skull Base Society of India. Dayanand Medical College and Hospital, Ludhiana. 1-3 November 2018.
5. 67<sup>th</sup> Annual Conference of Neurosurgical Society of India (NSICON 2018) , Jaipur Exhibition and Convention Center, Jaipur 13-16 December 2018.
6. Rajasthan Neurosciences Update 2019.. AIIMS Jodhpur, 23-24 March 2019.
7. Paras Neurocon 2018- live surgery and annual Masterclass in neurosurgery- at Gurgaon from 14-16th September 2018.

**Name of Faculty: Dr. Suryanarayanan Bhaskar**  
**Designation: Additional Professor**

**Resource Faculty:**

1. Rajasthan Neurosciences Update 2019, AIIMS Jodhpur, 23-24 March 2019.

**Examiner:**

1. M.Ch Exam at RNT Medical College, Udaipur, 17th and 18th Jan 2019

**Conferences:**

1. Workshop and Symposium on DBS for Parkinson's at SVIMS, Tirupati from 25<sup>th</sup> & 26<sup>th</sup> May 2018
2. Microvascular workshop and Conference of Cerebrovascular Society of India at Chennai, from 7<sup>th</sup> to 9<sup>th</sup> Sep 2018
3. Instructional Course at GB Pant, Delhi from 5<sup>th</sup> and 6<sup>th</sup> Oct 2018
4. Asian Australasian Society of Neurological Surgeons (AASNS) Education Course and Minimally Invasive Live Neurosurgery Workshop, MG Hospital, Jaipur. 2<sup>nd</sup> and 3<sup>rd</sup> Mar 2019

**Name of Faculty: Dr. Mayank Garg**

**Designation: Associate Professor**

**Research Project:**

❖ **Ongoing:**

➤ **As Investigator**

1. Jha S, Jha DK. Development of protocol for isolation of primary microglia from human brain tissue. AIIMS Jodhpur-IIT Jodhpur Collaboration.

➤ **As Co-Investigator**

1. Kalaria N, Bhatia PK, Goel S, Garg M. Comparison of epidural morphine vs epidural dexamethasone for postoperative analgesia following lumbar discectomy: A double blinded, randomized controlled study. AIIMS Jodhpur

**Resource Faculty:**

1. 67<sup>th</sup> Annual Conference of Neurosurgical Society of India (NSICON 2018), Jaipur Exhibition and Convention Center, Jaipur from 13-16 December 2018.
2. Rajasthan Neurosciences Update 2019. 23-24 March 2019. AIIMS Jodhpur, Jodhpur.

**Conferences:**

1. 67<sup>th</sup> Annual Conference of Neurosurgical Society of India (NSICON 2018). 13-16 December 2018, Jaipur Exhibition and Convention Center, Jaipur.
2. Cost Effective Use of Technology in Health- Neurosciences (**Sceuth 2019**), Goa, 28-31 March 2019

**Papers Presented as Guest Faculty:**

1. Garg M, Kumar A, Singh PK, Satyarthee GD, Agrawal D, Chandra PS, Kale SS. Management of Post Traumatic Thoracolumbar Vertebral Body Burst Fractures Using Single Stage Posterior Transpedicular Approach. Cost Effective Use of Technology in Health- Neurosciences (Sceuth 2019), Goa, 28-31 March 2019.

## 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	Assistant Professor
6	Dr. Garima Yadav	Assistant Professor
7	Dr. Meenakshi Gothwal	Assistant Professor
8	Dr. Manisha Jhirwal	Assistant Professor (Trauma & Emergency)
9	Dr. Priyanka Kathuria	Assistant Professor

### About the Department:

The Department of Obstetrics & Gynecology has rapidly grown, and now there are nine faculty members, eight Senior Residents and fifteen academic Junior Residents. The department is involved in undergraduate and postgraduate teaching, patient care and research.

**Teaching:** The department is actively involved in undergraduate and postgraduate teaching, and teaching of nursing students. Latest and innovative techniques for the teaching are used for the future doctors. Besides didactic lectures newer teaching methods like problem-based learning, small group discussions, unconventional learning methods not only makes teaching- learning interesting but also inculcates lifelong learning in students. Regular seminars, journal clubs, case based discussions, perinatal meets and tumour boards are held for the postgraduate residents to keep them updated with the latest research in the field of obstetrics & gynecology.

### Patient care:

**OPD:** The department is fully functional and has two units for ease of functioning. Besides routine care in OPD for Gynecological and pregnant patients, specialty OPD for Adolescent health, STI and Infertility are held. The number of OPD cases, IPD admissions and labour room admissions have significantly increased. In the last year 24185 gynecological patients and 15022 pregnant women were seen in OPD. Screening for cervical cancer is done routinely and last year 1676 cervical smears were done

**Labour room:** There were 1592 deliveries in last year. Many complicated and difficult cases were dealt efficiently like medical problems with pregnancy [ heart disease, liver, renal disease, cancers with pregnancy,] genetic problems with pregnancy, surgical problems with pregnancy. Many referred cases were also managed effectively.

**OT:** Robotic gynecological surgery has been started in the department, and laparoscopic surgery is done routinely; many difficult and advanced procedures are being performed. Major surgeries were 435 and minor surgeries were 1056 in last year.

**Research:** Faculty members and residents are actively involved in various research activities in the department. 1 international extramural project on adolescent sexual and reproductive health funded by Canada has been started and 6 intramural projects are being done in the department and faculty members are acting as a co-investigator in few more.

Department has organized many CME and workshop in last one year.

**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. We also plan to establish a fetal medicine unit for diagnostic and advanced intrauterine fetal treatment.

**Compiled list of Publications of the department:**

**Papers**

**Pubmed Indexed:**

1. Gothwal M, Yadav G, Rao M, Singh P, Nalwa A. Low-grade endometrial stromal sarcoma in a postmenopausal woman with third-degree uterovaginal prolapse: A rare case with review of the literature, *JMH*, 2018; Vol 9, 3: 165-167.
2. Murhekar M, Bavdekar A, Benakappa A, Santhanam S, Singh K, Verma S, Sapkal GN, Gupta N, Verghese VP, Viswanathan R, Abraham AM, Choudhary S, Deshpande GN, George S, Goyal G, Gupta PC, Jhamb I, John D, Philip S, Kadam S, Sachdeva RK, Kumar P, Lepcha A, Mahantesh S, Manasa S, Nehra U, Munjal SK, Nag VL, Naik S, Raj N, Ram J, Ratho R K, Raut C G, Rohit M K, Sabarinathan R, Shah S, Singh P, Singh M P, Tiwari A, Vaid N. Sentinel Surveillance for Congenital Rubella Syndrome - India, 2016-2017. *MMRW*. 2018 Sep 14;67(36):1012-1016.
3. Muliylila D E, Singh P, Joisc S K, Otiv S, Surie V, Varma V, Abraham A M, Rautg C, Gupta M, Singhe M P, Viswanathan R, Naik S, Nag V, Benakappai A, Bavdekar A, Sapkal G, Singh K, Gupta N, Murhekar M, Sero-prevalence of rubella among pregnant women in India. *Vaccine*. December 2018 ; Volume 36, Issue 52, Pages 7909-791
4. Singh P, Lath N, Shekhar S, Goyal M, Gothwal M, Yadav G, et al. Struma ovarii: A report of three cases and literature review. *J Mid-life Health* 2018; 9:225-9.
5. Yadav G, Rao M, Gothwal M, Singh P. Adenoma malignum diagnosed postoperatively in a case of fibroid uterus: Case report with review of literature. *J Mid-life Health* 2018; 9:219-21.
6. Kathpalia SK, Sharma C, Yadav S, Gargade C. Angiomyolipoma of vulva: Rare tumour at an unusual site. *Medical Journal Armed Forces India*. 2018 Dec; 1-3
7. Gautam P, Rao M, Gothwal M, Garg PK, Bhattacharya S. Sertoli-leydig cell tumor of ovary: A rare case report with heterologous elements and focal marked anaplasia. *International Journal of Applied and Basic Medical Research*. 2019 Jan;9(1):62.
8. Boparai JK, Singh S, Kathuria P. How to design and validate a questionnaire: A guide. *Curr Clin Pharmacol*. 2018;13(4):210-215
9. Rustagi N, Singh S, Dutt N, Kuwal A, Chaudhary K, Shekhar S, Kirubakaran R. Efficacy and Safety of Stent, Valves, Vapour ablation, Coils and Sealant Therapies in Advanced Emphysema: A Meta-Analysis. *Turkish Thoracic Journal* 2019;20(1): 43-60

10. Yadav G, Singh P, Gothwal M. Correlation between pre-operative clinical diagnosis, imaging and histopathology of adnexal masses: A retrospective Study. Abstract published in International Journal of Gynaecologic Oncology, September 2018; 28(2):216
11. Sharma D S, Goyal M, Kumar P K, Ghosh R, Sharma P. Association of raised blood lead levels in pregnant women with preeclampsia. Taiwan J Obstet Gynecol. 2019 Mar; 58(2):302-3.
12. Dixit SG, Ghatak S, Singh P, Bhattacharya S, 'Estrogen Receptor, Progesterone Receptor & CD8+ Expression in Endometrium of Women of Unexplained Infertility'. Journal of Gynecology Obstetrics and Human Reproduction Vol 47, Issue 10, Dec 2018; 533-537

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

1. Singh P, Mathur N. Sexual Problems and the Gynaecologist: Are We Doing Enough? J South Asian Feder Obst Gynae 2018;10(3):191-193
2. Pradhan HK, Singh P, Ravikumar MS, Gothwal M. Study of risk factors and tumor markers in ovarian malignancy in western part of Odisha: a prospective observational study. Int J Reprod Contracept Obstet Gynecol 2018; 7:1571-8
3. Gothwal M, Nalwa A, Yadav G, Lodha M, Singh P, Garg P. Laparoscopic management of giant ovarian cyst in young woman: a case report. Int J Reprod Contracept Obstet Gynecol, 2018;7:1660-2
4. Pradhan H K, Singh P, Yadav G, Gothwal M, Pre and post treatment symptomatic assessment of patient with STI receiving syndromic treatment. Ind J of Obs & Gyne Res; April-June, 2018;5(2):203-208
5. G Yadav, P Singh, P Kathuria, M Gothwal. Co-relation between pre-operative clinical diagnosis, imaging and histopathology of adnexal tumours: A retrospective study. Indian J of Gynecol oncol Sept 2018; 16:
6. M Gothwal M, Sharma C, Yadav G A, Singh P, Raikar S. Dicephalus parapagus conjoined twin: a rare case with review of literature. Int J Reprod Contracept Obstet Gynecol 2018;7: 3410-2.
7. Singh P, Singh K, Yadav G, Gothwal M. Indian Medical Education System: Need for Change. Global J of Med Ed & Res,2018; vol 1, no 1, 21-23
8. Singh P, Singh K, Gothwal M, G. Yadav, Simulation in Medical Education Global J of Med Ed & Res,2018: vol 1, no 1: 24 -28.
9. Singh P, Gothwal M, Yadav G, Tests for Ovarian Reserve, Indian Journal of Obstetrics and Gynecology, July - August 2018; Vol 6 No 4:417-421.
10. Singh P, Gothwal M, Yadav G. Liquid Biopsy in Ovarian Cancer, Indian Journal of Obstetrics and Gynecology, July - August 2018;Vol 6 No 4:427-431.
11. Singh P, Rathore Y, Thakur R, Singh K. Neonatal outcome in women receiving vaginal progesterone for prevention of preterm birth. Curr Med Issues 2018; 16:87-91
12. Singh P, Gothwal M, Yadav G. A Case of Prolonged Postpartum Urinary Retention: An Obstetrician's Dilemmas'. Exp Tech Urol Nephrol 2018;2(4) :1-3.
13. Kathuria P, Yadav G, Singh P. The perplexity of malignant ovarian mass in cystadenofibroma: a lesson learnt. Int J Reprod Contracept Obstet Gynecol 2019; 8:313-6.
14. Kathpalia SK, Mehrotra M, Sharma C, Yadav A, Jena PS. Life Saving Hysterectomy – Five years' experience in an Apex Referral Hospital in Remote Islands in India. J Gynecol Cure 2018;1: 01-6.

15. Gothwal M, Pathak BL. Ectopic pregnancy-a clinical study. International journal of scientific research. 2018 May;19:7(3).
16. Devkare V, Gothwal M, Gaikwad N, Agrawal N , Pawar S .A rare case of rupture at the cervico-vaginal junction in the unscarred uterus. International Journal of Current advanced research, May 2018; 07(5):12513-12514
17. Nainawat M, Gothwal M .“Pregnancy outcome in patients with oligohydramnios at or beyond 34 weeks of gestation , International Journal of Current Research, 2018;10(08):72231-72233
18. Devkare V, Gothwal M, Gaikwad N, Pawar S, Agrawal N, Desai A. Youssef’s syndrome following caesarean section: a rare case with review of literature. Int J Reprod Contracept Obstet Gynecol 2018 7:4772-4
19. Yadav G, Pathak C, Manchanda R. Non healing port site ulcers- a mystery unfolded and a lesson learnt. IOG. Oct 2018;8(4):50-52.
20. Gaur N, Kathuria P. Hydralazine versus Labetalol for acute control of blood pressure in patients with severe pre-eclampsia: a randomized controlled trial. IJRCOG.2019;Vol8 No.4: 1626-1629.
21. Ghuman NK. What is a good egg number in assisted reproduction? ISSRF Newsletter.2019 February; (23):33-39
22. Ghuman NK. Optimum ovarian response needed for successful ART cycle. 29th Annual meeting of Indian Society for the Study of Reproduction and Fertility (ISSRF) Abstract book. 2019 February;181.

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

1. CME on Recent advances on Gynecological malignancy. Association of Gynecological Oncology. AIIMS Jodhpur. 15<sup>th</sup> April 2018.
2. Organised Workshop on Practical drill in Obstetrics on 15.9.18. –practical drills on Birthing Simulator at AIIMS Jodhpur
3. Training of Medical officers /gynecologists for cervical cancer screening by VIA, under NHM and Tata Trust along with School of Public Health, on 16-17 Feb 2019 at AIIMS Jodhpur
4. Guest lecture by Dr M Chaudhary “Making of three person baby: Science, Ethics and Clinical Translation”.
5. Public awareness lecture on “Menopause: A transition in women’s life’ on 19.12.2019. at AIIMS jodhpur

#### **Eminent Visitors:**

1. Dr Amita Maheshwari : Prof & Head, Gyne Oncology, TMH, Mumbai
2. Dr Abraham P; Prof & Unit head Gyne onco CMC Vellore
3. Dr S B L Srivastava, President , Association of Gynecological Oncology
4. Dr Bhagyaxmi Nayak, Chairperson Gynecologic Committee, FOGSI
5. Dr Nisha Singh, Professor, Obstetrics & Gynecology, KGMU, Lucknow
6. Dr R Mahendru, Dean, Prof & Head OBGYN, GMC, Sonapat
7. Dr R Verma, Prof & Head OBGYN, GMC Surat
8. Dr Meenakshi Chauhan, Royal Victoria Infirmary and Centre for Life, Newcastle Hospital NHS Trust, United Kingdom.



**Name of Faculty: Dr. Pratibha Singh**  
**Designation: Professor & Head**

**Books/Chapters:**

1. Pratibha Singh, Meenakshi Gothwal, Garima Yadav, Navdeep Ghuman, Book- HIV Pearls 2018, Editors-Dr G K Bohra, Dr Deepak Kumar. Chapter on HIV in Women: Pregnancy and beyond, pg 64-73 , 2018

**Papers Presented:**

1. Meenal Bhati, P Singh, M Gothwal. 46 XY Ovotesticular disorder: A Rare Case with review of literature. RAJOGCON, feb 2019 , SMS Jaipur.
2. Meenal Bhati, P Singh, M Gothwal. Giant cervical angiomyomatous fibroid polyp masquerading third degree uterine prolapse: A case report. ICE 2019, March 2018, Birla Auditorium, Jaipur.
3. S Bansal V, P Singh. Granulosa cell tumour of Ovary- a rare occurrence and recent advances in management. CME in Recent update in Gynecological malignancy, 15<sup>th</sup> April, 2018, AIIMS, Jodhpur.
4. Isha Arora, P Singh, C Sharma. Awareness about HPV vaccine in medical and nursing students at AIIMS Jodhpur. CME in Recent update in Gynecological malignancy, 15<sup>th</sup> April, 2018, AIIMS, Jodhpur.
5. Vrushti Solanki, P. Singh, N.K.Ghuman. Resistant PCOS- the tricks and trials in infertility. ISAR 2019, March, 2019, Grand Hyatt, Mumbai.

**Sessions Chaired:**

1. 1<sup>st</sup> trimester screening, CME on Fetal Medicine- 1<sup>st</sup> trimester USG and screening, 8<sup>th</sup> July 2018, AIIMS, Jodhpur.
2. Managing subfertility and Recurrent endometriosis, CME organized by ISAR-R chapter and IAGE, September 2019, Jodhpur.

**Invited Lectures:**

1. Robotic surgery in Gynecology, Robotic surgery- Newer Horizons, 29<sup>th</sup> and 30<sup>th</sup> November, 2018. AIIMS, Jodhpur.
2. Stem cell and cord blood Banking, Kumarcon, 1-3 Feb, 2019, Ayurveda University, Jodhpur.

**Symposium Speaker:**

1. Prevention of Mother to Child transmission of HIV, symposium on HIV, 30<sup>th</sup> September, 2018, AIIMS, Jodhpur

**Resource Faculty:**

1. Moderator for panel discussion 'Fertility preservation for gynecological malignancies'. CME on Recent advances in Gyne malignancy, 15<sup>th</sup> April, 2018, AIIMS, Jodhpur.

2. Free paper session, Kumarcon, 1-3 February, 2019, Jodhpur.
3. Panelist in Induction of Labour', CME on labour management, 1<sup>st</sup> September, 2018, Jodhpur.
4. Panelist on 'Screen Positive- What next?', CME on Fetal Medicine, 8<sup>th</sup> July, 2019, AIIMS, Jodhpur.
5. Panelist on Diabetes in pregnancy, May 2019, Jodhpur.

### Research Project:

#### ❖ Ongoing:

##### ➤ As Principal Investigator:

1. 'Flipping to empower adolescent for sexual and reproductive health' funded by grand Challenge Canada
2. Anterior utero cervical angle for prediction of onset of labour: A pilot study-Intramural
3. Retrospective study of evaluation of post hysterectomy vault smear [non-funded]
4. Retrospective study of reproductive health problems in adolescent girls at AIIMS [non-funded]
5. Retrospective study on Etiological factors and management of patients presenting with primary & secondary amenorrhea[non-funded]
6. Retrospective study of obstetric factors in perinatal morbidity and mortality at a tertiary center[non-funded]
7. Comparison of vaginal lengths and sexual function after abdominal, vaginal or laparoscopic hysterectomy[non-funded]

##### ➤ As Co-Investigator :

1. Spectrum of Sexual and reproductive health problems in adolescent females in western Rajasthan-A prospective study [non-funded]
2. Retrospective analysis of data of mothers delivering under various categories of Robson's classification in order to determine the trend of caesarean section [non-funded]
3. Thyroid Dysfunction and its correlation with pregnancy outcome [non-funded]
4. Role of FIGO's PALM-COEIN classification of abnormal uterine bleeding: A Clinico-histopathological correlation [non-funded]
5. Spectrum of cervical cytological smears and the co-relation of abnormal cytological smer with the histopathological findings [non-funded]
6. Co-relation between pre-operative clinical diagnosis Imaging and histopathology of adnexal masses-A retrospective observational study [non-funded]
7. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome [non-funded]
8. A Study of knowledge,Attitude and practice of contraception among nursing staff in All India of Medical Sciences,Jodhpur Rajasthan -A Student research Project [non-funded]
9. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation-a student research project [non-funded]
10. Awareness about HPV vaccination among Medical and nursing students in a referral institute of western Rajasthan-a student research project [non-funded]
11. The role of vaginal progesterone in delaying delivery following an episode of arrested preterm labor: A randomized controlled trial[non-funded]

❖ **Completed:**

➤ **As Principal Investigator :**

1. Do Female doctors themselves get screened for cervical cancer? [non-funded]
2. Skin preparation for prevention of surgical site infection after obstetrics and gynecological abdominal surgery, a quality improvement study [non-funded]

➤ **As Co-Investigator**

1. Antepartum Non stress test and pregnancy outcome -A prospective study [non-funded]
2. Metabolic and hormonal profile of polycystic Ovarian syndrome in obese and non obese women [STS project]
3. The Role of inflammasome NLRs in glioma angiogenesis [non-funded]

**Examinership:**

1. MS and DGO, SIMMER Surat, 14-15 April, 2018, Surat.
2. MBBS, S C Medical College, Bikaner, 9<sup>th</sup> July, 2019, Bikaner.
3. MBBS, S N Medical College, 14-15 July, 2018, Jodhpur.
4. Thesis Evaluation at Udaipur, RNT medical college, March 2019, Udaipur.

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

1. Membership of Association of Gynecologic Oncology of India
2. Editor: Global Journal of Medical Education and Research
3. Reviewer for Indian Journal of Obstetrics & Gynecology
4. Reviewer for Taylor & Francis journal- Journal of Obstetrics & Gynecology

**National/ International Conferences attended:**

1. “CME on recent advances in Gynecological malignancy, AIIMS Jodhpur under aegis of Association of Gynecological oncology, 15<sup>th</sup> April 2018, Jodhpur.
2. CME on Fetal Medicine, AIIMS Jodhpur in association of society of Fetal Medicine, 8<sup>th</sup> July 2018, Jodhpur.
3. CME on Progesterone, JOGOS, 15<sup>th</sup> September, 2018, Jodhpur.
4. Sonofest, Society of Fetal Medicine, September, 2018, Jodhpur

**Name of Faculty: Dr. Shashank Shekhar**

**Designation: Additional Professor**

**Sessions Chaired:**

1. “Recurrent pregnancy Loss”, CME on Fetal Medicine, 8<sup>th</sup> July, 2018, AIIMS, Jodhpur.

**Invited Lectures:**

1. Laparoscopic Management of Pelvic Organ Prolapse, AGESRCON 2018, 13 -14th April 2018, Jaipur.
2. Robotic Vs. Laparoscopic Sacrocolpopexy, Robotic Surgery: Expanding Horizons, 29th -30th November 2018, AIIMS Jodhpur.
3. Laparoscopic Sacrocolpopexy & Sacrohysteropexy, 2nd YUVA - IAGE National Conference, 3rd – 4th Nov 2018, Calicut.

**Resource Faculty:**

1. "Hands on Wet & Dry Lab", PESICON 2019, 14th- 17th February 2019, AIIMS Jodhpur
2. Introductory Course on EBM, Workshop for Faculty, AIIMS Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Natrin 1 and Procalcitonin in association with pre eclampsia: A pilot Study [intra-mural project, AIIMS Jodhpur]
2. 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 [Intra-mural, AIIMS Jodhpur]

❖ **Completed:**

➤ **As Co-Investigator :**

1. Utility of VEGF & PLGF in prediction of Preeclampsia [?intra-mural]

**Examinership**

1. MBBS, AIIMS, Rishikesh, 12-13<sup>th</sup> December, 2018

**National/ International Conferences attended:**

1. "Cancer Epidemiology" : Workshop, CMC, Vellore, 11<sup>th</sup> – 14<sup>th</sup> October, 2018, Vellore.
2. AGESRCON 2018, Annual Conference of Association of Gynae Endoscopic Surgeons of Rajasthan, 13<sup>th</sup> – 14<sup>th</sup> April 2018, Jaipur.
3. 2nd YUVA - IAGE National Conference, IAGE, 3<sup>rd</sup> -4<sup>th</sup> November, 2018, Calicut.

**Name of Faculty: Dr. Navdeep Kaur Ghuman**

**Designation: Associate Professor**

**Book Chapter:**

1. Pratibha Singh, Meenakshi Gothwal, Garima Yadav, Navdeep Ghuman, Book- HIV Pearls 2018 , Editors-Dr G K Bohra, Dr Deepak Kumar. Chapter on HIV in Women: Pregnancy and beyond, 2018, pg 64-73

**Papers Presented:**

1. Dr. Navdeep Kaur Ghuman Dr. Suresh Kini Dr. Nikhil Patravali, "Trends in prescription of Clomiphene citrate: Does it help in all patients?", 23<sup>rd</sup> Annual ISAR 2018, 19<sup>th</sup> -22<sup>nd</sup> April 2018, Kolkata.
2. Dr. Navdeep Kaur Ghuman, Pure 46 XY Gonadal Dysgenesis: A case report, 17<sup>th</sup> ICMR Medical Genetics Course, 20<sup>th</sup> Aug- 1<sup>st</sup> Sept 2018, SGPGI, Lucknow.
3. Dr. Navdeep Kaur Ghuman, What is a good egg number in assisted reproduction, 29<sup>th</sup> Annual ISSRF conference, 22<sup>th</sup>-24<sup>th</sup> Feb 2019, JNU convention centre New Delhi

**Sessions Chaired:**

1. Live Robotic surgery, Robotic surgery: expanding horizons, 29<sup>th</sup>-30<sup>th</sup> Nov 2018, AIIMS Jodhpur.

**Invited Lectures**

1. Infection control in an IVF laboratory, ISAR Embryology 2018, 1<sup>st</sup>-2<sup>nd</sup> December 2018, Jaipur.

**Resource Faculty: -**

1. Panelist, Recent update in Gynecologic malignancies, 15<sup>th</sup> April 2018, AIIMS Jodhpur
2. Panelist, Endo-ferticon, 2019, 22<sup>nd</sup> -24<sup>th</sup> February 2019, Mahatma Gandhi Medical College Jaipur

**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. [Intra-mural project, AIIMS Jodhpur]
2. Predictors of ovarian function reserve in premenopausal patients with breast cancer- Prospective study. [Intra-mural project, AIIMS Jodhpur]
3. Psychological facets of infertility: A prospective study to evaluate Quality of life and depression score in infertile couples [non-funded]

➤ **As Co-Investigator**

1. Laparoscopy and BACTEC for diagnosis of genital tuberculosis in infertile women. **(Non-funded project)**

❖ **Completed:**

➤ **As Principal Investigator**

1. What is good egg number in assisted reproduction? Findings presented and published at ISSRF 2018. [non-funded]

**Scientific Awards/Patents:**

1. Fellowship of Minimal Access Surgeon [FMAS]
2. Completed ICMR course on Medical Genetics and Genetic Counselling.

**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. Indian Fertility Society (IFS)
4. Indian Society for Assisted Reproduction (ISAR)

**National/ International Conferences attended:**

1. Global Conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle Factors, Indian Society for the Study of Reproduction and Fertility, ISSRF February, 22<sup>nd</sup>-24<sup>th</sup> Feb 2019, JNU convention centre New Delhi
2. Annual National conference of Indian Society for Assisted Reproduction (ISAR) 2018, Indian Society for Assisted Reproduction (ISAR), 19<sup>th</sup>-22<sup>nd</sup> April 2018, Science City Kolkata.

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

**Designation: Associate Professor**

**Papers Presented:**

1. Sharma C, Yadav A, Malhotra M, Obstetric cerebral venous thrombosis- varied clinical presentation, Art & Craft of vaginal deliver West Zone Yuva Fogsi, 20-22nd July, Udaipur
2. As co-author: Poster- Bansal S, Shekhar S, Sharma C, Ehlen P, Bagga N, Endometrial Stromal Sarcoma -A rare malignancy, CME on recent updates in Gynaecological malignancies, 15th April 2018, AIIMS Jodhpur

**Sessions Chaired:**

1. Robotic surgery in gynecologic practice, Masterclass and CME on “Robotic Surgeries- Expanding Horizons, 28<sup>th</sup> -30<sup>th</sup> November 2018, AIIMS Jodhpur

**Invited Lectures-**

1. Panel on Recurrent 1<sup>st</sup> Trimester miscarriages as Panelist, CME on Fetal Medicine organized by Society of Fetal Medicine, 8<sup>th</sup> July 2018, AIIMS Jodhpur
2. VIA & Sexually Transmitted Infections, Workshop on VIA Organised in collaboration with School of Public Health., 18<sup>th</sup> and 19<sup>th</sup> Feb. 2019, AIIMS Jodhpur
3. Menstrual Hygiene, Workshop on Teachers Training on Adolescent Health, 25<sup>th</sup> Feb and 30<sup>th</sup> March 2018, AIIMS Jodhpur.
4. Menopause- a transition in women’s life, Public Awareness Lecture, 19<sup>th</sup> Dec 2018, AIIMS Jodhpur

**Resource Faculty:**

1. CME on Recent updates in Gynaecological malignancies, Same (In association with AGOI), 15<sup>th</sup> April 2018, AIIMS Jodhpur.
2. Workshop on Visual Inspection of Cervix on application of Acetic Acid, In Collaboration with School of Public Health, 18<sup>th</sup> & 19<sup>th</sup> Feb 2018, AIIMS Jodhpur.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

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. (intra-mural]

2. Spectrum of Sexual and reproductive health problems in adolescent females in a tertiary level care hospital-A prospective study. (*non-funded*)

➤ **As Co-Investigator**

1. **Extramural project** Flipping to empower adolescents for sexual and reproductive health.' funded by Grand challenge Canada
2. Correlation of cutaneous hyperandrogenism with Anti-Mullerian hormone levels and polycystic ovarian morphology in females. (Intramural, AIIMS Jodhpur)
3. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and their fetomaternal outcome (intra-mural project, AIIMS Jodhpur)

**Non Funded Projects**

1. The role of vaginal progesterone in delaying delivery following an episode of arrested preterm labor: A randomized controlled trial (Non-funded)
2. Retrospective study of reproductive health problems in adolescent girls at AIIMS. (non-funded.)
3. Retrospective study of obstetric factors in perinatal morbidity and mortality at a tertiary centre. (non-funded)

❖ **Completed:**

➤ **As Principal Investigator**

1. Awareness about Human papilloma virus vaccination among medical and nursing students in a referral institute of western Rajasthan- a student research project. [non-funded]

➤ **As Co-Investigator**

1. Spectrum of menstrual disorders among the medical and nursing students and their knowledge and attitude towards menstruation- a student research project [non-funded]

**Examinership**

1. 3<sup>rd</sup> Prof MBBS Supplementary batch exam, JLN Medical College Ajmer, July 7<sup>th</sup> 2018, Ajmer.
2. 3<sup>rd</sup> Prof. MBBS Exam, JLN Medical College Ajmer, 28<sup>th</sup> Jan to 30<sup>th</sup> Jan 2019, Ajmer
3. 3<sup>rd</sup> Prof. MBBS Exam, SN Medical College Jodhpur, 3<sup>rd</sup> Feb to 5<sup>th</sup> Feb 2019, Jodhpur

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

1. Indian Menopause Society- membership number L-3229
2. Life membership of The Association of Gynaecological Oncologists of India- Membership No. 1086.

**National/ International Conferences attended:**

1. Art & Craft of vaginal delivery, West Zone Yuva Fogsis, Udaipur, 20-22<sup>nd</sup> July
2. NPTEL online certification course on Health Research Fundamentals, National Institute of Epidemiology, NIE, Jaipur, 22<sup>nd</sup> April 2018.
3. Short course on Fundamentals of Biostatistics, CMC Vellore, 17<sup>th</sup> – 21<sup>st</sup> April 2018.
4. Good Clinical Practice Workshop, CDSCO, 4<sup>th</sup>- 5<sup>th</sup> August 2018, Auditorium At AIIMS Jodhpur, Jodhpur

5. Joint Leadership Conclave on Healthcare Technologies, AIIMS Jodhpur in collaboration with IIT Jodhpur, AIIMS Jodhpur, 3<sup>rd</sup>-4<sup>th</sup> Dec 2018.
6. 2nd Hands-on Workshop on FISH, Dept of Anatomy, AIIMS Jodhpur, 20<sup>th</sup>-21<sup>st</sup> Dec 2018
7. Workshop on Fetal Medicine FETOMEET 2018, AIIMS Jodhpur, 1<sup>st</sup> & 2<sup>nd</sup> Sep 2018
8. CME on Fetal Medicine, Society of Fetal Medicine, AIIMS Jodhpur, 8<sup>th</sup> July 2018

**Name of Faculty: Dr. Manu Goyal**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Dr Manu Goyal, Dr Alka Kriplani, Dr Garima Kacchawa. Newer biochemical marker for prediction of preterm labor, NORTH ZONE ACBICON 2018, 7-8<sup>th</sup> April 2018, AIIMS, Jodhpur

**Sessions Chaired:**

1. Live surgery demonstration of Robotic surgery, Robotic Surgery: Expanding Horizons, AIIMS Jodhpur, 29<sup>th</sup> & 30<sup>th</sup> November 2018.

**Resource faculty:**

1. Hands on Wet & Dry Lab, PESICON 2019, 14<sup>th</sup> February 2019, AIIMS Jodhpur

**Invited Lectures:**

1. Hypertensive Emergencies during pregnancy, Workshop for Medical Officers- on Visual Inspection of Cervix on application of Acetic Acid in association with school of public health CME on Critical Care, SN Medical College, Jodhpur, 12<sup>th</sup> May 2018.

**Panelist: (As Faculty)**

1. Panel discussion on GDM Management in SONOFEST 2018 held at Jodhpur, from 7-9<sup>th</sup> September 2018.
2. Panel discussion on Management of Cancers during pregnancy in ISMPOCON 2018 held at Jaipur from 16-18<sup>th</sup> November 2018 .

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. To assess maternal serum Netrin-1 & procalcitonin for prediction of preeclampsia in Indian women: A pilot study (Intramural, AIIMS Jodhpur)
2. Laparoscopy & BACTEC for genital tuberculosis (non-funded)

➤ **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 (Intramural project, AIIMS Jodhpur)



2. 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)

❖ **Completed:**

➤ **As Principal Investigator:**

1. Utility of VEGF & PLGF in prediction of Preeclampsia [intra-mural] AIIMS Jodhpur

➤ **As Co-investigator:**

1. A pilot study of pre-diabetes and autoimmune thyroiditis in obese and non-obese polycystic ovarian syndrome (PCOS) women (STS project, AIIMS Jodhpur)
2. Association of lead levels and preeclampsia (STS project, AIIMS Jodhpur).

**Scientific Awards/Patents:**

1. Fellowship in Minimal Access surgery, awarded by AMASI at 56th AMASI Skill course and cleared FMAS Examination held at SN Medical College, Jodhpur from 10th to 12th August 2018

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

1. Membership of Federation of Obstetricians and Gynaecologists of India (FOGSI)
2. Member of Gynae- Endocrine Society of India (GESI)
3. Member of ASPIRE
4. FMAS (AMASI): Fellow of Association of Minimal Access Surgeons of India

**Editorial/ Reviewer in Journals:**

1. Assistant Editor of Journal of Pregnancy and Child Health
2. Editorial member of International Journal of Advances in Gynaecology and Obstetrics
3. Reviewer of Indian Journal of Tuberculosis and Lung Diseases
4. Reviewer of Journal of Medical Case Reports
5. Reviewer of Journal of Gynaecological Surgery
6. Reviewer of Indian Heart Journal

**Workshops/ Conferences Attended:**

1. 56th AMASI Skill course and cleared FMAS Examination held at SN Medical College, Jodhpur from 10th to 12th August 2018.
2. NORTH ZONE ACBICON 2018 held from 7-8th April 2018 at AIIMS, Jodhpur.
3. West Zone YUVA FOGSI from 20-22nd July 2018 at Hotel Radisson Udaipur.
4. GOOD Clinical Practice CME from 4-5th August 2018 at AIIMS Jodhpur.
5. Robotic Surgery: Expanding Horizons" held on 29th & 30th November 2018 at AIIMS, Jodhpur
6. SONOFEST 2018 held from 7-9th September 2018 at Indana Hotel, Jodhpur.
7. Panel discussion on Management of Cancers during pregnancy in ISMPOCON 2018 held at Hotel Clark Amer, Jaipur from 16-18th November 2018
8. Training faculty (Hands on dry & wet Lab workshop) for delegates on endotrainees in conference in PESICON 2019 on 14th February 2019 at AIIMS, Jodhpur.
9. EBM course on Research Methodology for faculty held at AIIMS Jodhpur from 26th March to 4th April 2019

**Name of Faculty: Dr. Garima Yadav**  
**Designation: Assistant Professor**

**Books/Chapters:**

1. Pratibha Singh, Meenakshi Gothwal, Garima Yadav, Navdeep Ghuman, Book- HIV Pearls 2018 , Editors-Dr G K Bohra, Dr Deepak Kumar. Chapter on HIV in Women: Pregnancy and beyond, pg 64-73 , 2018

**Papers Presented:**

1. Garima Yadav, Pratibha Singh, Priyanka Kathuria, Meenakshi Gothwal, Correlation Between Preoperative Clinical Diagnosis, Imaging and Histopathology of Adnexal Masses: A Retrospective Study, 17th biennial meeting of International Gynecologic cancer society, 15th – 18th September, Kyoto, Japan.

**Sessions Chaired:**

1. Robotic surgeries in Gynaecology, Robotic Surgery: Expanding horizons, 29<sup>th</sup>-30<sup>th</sup> Nov 2018, AIIMS, Jodhpur

**Resource Faculty:**

1. “Moderator: Fertility preservation in Gynecological malignancy, CME on Recent updates in Gynecologic Malignancy, 15<sup>th</sup> April, AIIMS Jodhpur
2. Panelist: Recurrent Pregnancy Loss, CME on First trimester USG and screening, 8<sup>th</sup> July 2018, AIIMS Jodhpur
3. Panelist: Surgical management of endometrial cancer, AGOICON, 16th-18th September, Cancer hospital and research Institute, Gwalior
4. Role of VILI in detecting pre-invasive cervical lesions, VIA training workshop, 18th-20th Feb, AIIMS Jodhpur.
5. Panelist: “how to deal with menopausal symptoms”, Public awareness lecture on “Menopause- a transition in women’s life”, 20th December, 20th December, AIIMS Jodhpur.

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

1. Organizing secretary, CME on recent updates in gynecologic malignancies. 15th April, 2019, AIIMS, Jodhpur.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: A pilot study. [IMRG, AIIMS, Jodhpur]
2. The role of Vaginal progesterone in delaying delivery following an episode of arrested preterm labor: a Randomized [non-funded]

➤ **As Co-Investigator**

1. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there fetomaternal outcome. [IMRG, AIIMS, Jodhpur]
2. Prediction of onset of labor by using anterior uterocervical angle- a pilot study [IMRG, AIIMS, Jodhpur]

❖ **Completed:**

➤ **As Principal Investigator:**

1. Correlation Between Preoperative Clinical Diagnosis, Imaging and Histopathology of Adnexal Masses: A Retrospective study [non-funded]
2. Antenatal Non-Stress Test in Low Risk and High risk pregnancies: Towards Improving Maternal and fetal outcomes [non-funded]
3. 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 [non-funded]
4. Detection of Nerve fibers in the Eutopic Endometrium of Women with Endometriosis, Uterine Fibroids and Adenomyosis. (IMRG, AIIMS Jodhpur)

➤ **As Co-Investigator:**

1. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation [non-funded]
2. Do female doctors themselves get screened for cervical cancers [non-funded]
3. A study of knowledge, attitude and practice of contraception among nursing staff in All India Institute of Medical Sciences [non-funded]
4. Role of PALM-COEIN classification of abnormal uterine bleeding: a clinic-histopathological co-relation. [non-funded]
5. Spectrum of cervical cytological smears and the co-relation of abnormal cytological smears with their histopathological findings. [non-funded]

**Any other achievements:**

1. "Elite" certificate by the national institute of epidemiology for being the top scorer at the exam on basic biostatistics in health care practice conducted in April 2018

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

1. European society of Gynaecological oncology
2. International Gynaecologic cancer society
3. Association of Gynaecological oncologists of India

**Journal Reviewer:**

1. Journal of international medical Research
2. Journal of Obstetrics & Gynaecology

**National/ International Conferences attended:**

1. Organizing secretary: Recent update in Gynaecologic malignancies 15th April 2018, AIIMS Jodhpur Rajasthan.

2. CME on First trimester USG and screening fetal medicine organized by Society of Fetal Medicine on 8th July, AIIMS, Jodhpur
3. 17th Biennial meeting of the International Gynaecologic Cancer Society, Kyoto, Japan in 15th-18th September 2018- Poster presentation
4. Sonofest 2018, 7-9 Sept 2018, Jodhpur
5. AGOICON 2018, Gwalior 16th-18th Nov'2018
6. Robotic surgery: expanding horizons, Jodhpur, 29th-30th November 2019- Chairperson.

**Name of Faculty: Dr. Meenakshi Gothwal**

**Designation: Assistant Professor**

**Books/Chapters:**

1. Pratibha Singh, Meenakshi Gothwal, Garima Yadav, Navdeep Ghuman, Book- HIV Pearls 2018 , Editors-Dr G K Bohra, Dr Deepak Kumar. Chapter on HIV in Women: Pregnancy and beyond, 2018, pg 64-73

**Sessions Chaired:**

1. Live Gynaecological surgery, Master class with CME "Robotic surgery: Expanding Horizons, 29th -30th Nov. 2018, AIIMS Jodhpur
2. Screen Positive – What Next? 1st trimester USG and Screening CME, fetal medicine, 8th July 2018, Jodhpur.

**Resource Faculty:**

1. Chairperson & Treasurer, Recent update in Gynecologic malignancies, 15th April 2018, AIIMS Jodhpur.
2. Live surgeries, Master class with CME "Robotic surgery: Expanding Horizons, 29-30th November 2018, AIIMS Jodhpur
3. Panelist, 1st trimester USG and Screening CME, fetal medicine, 8th July 2018, AIIMS Jodhpur
4. Panelist, Public Awareness lecture on menopause, 19th Dec 2018, AIIMS Jodhpur
5. VIA training, VIA training, 18-20th Feb 2019, AIIMS Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. Red cell alloimmunization among antenatal women in AIIMS Jodhpur and there feto-maternal outcome. (Intramural, AIIMS Jodhpur)

➤ **Co-Investigator:**

1. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: A pilot study (Intramural, AIIMS Jodhpur).
2. The role of vaginal progesterone in delaying delivery following an episode of arrested preterm labor: A randomized controlled trial [non-funded]
3. Prediction of onset of labor by using anterior uterocervical angle- a pilotstudy (Intramural, AIIMS Jodhpur).

❖ **Completed:**

➤ **As Principal investigator:**

1. Role of p16 & Ki67 in an abnormal cervical cytological smear. (Intramural, AIIMS Jodhpur).

➤ **As Co- Investigator:**

1. Blood lead levels in antenatal women with iron deficiency anemia and adverse pregnancy outcome: A pilot study (Intramural, AIIMS Jodhpur).
2. The role of vaginal progesterone in delaying delivery following an episode of arrested preterm labor: A randomized controlled trial [non-funded]
3. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation-a student research project.[non-funded]
4. Comparison of vaginal lengths and sexual function after abdominal, vaginal or laparoscopic hysterectomy [non-funded]
5. Spectrum of menstrual disorders among medical and nursing students in western Rajasthan and their knowledge and attitude towards menstruation [non-funded]
6. Do female doctors themselves get screened for cervical cancers? [non-funded]
7. Pre and post treatment symptomatic assessment of patients with STI receiving syndromic treatment [non-funded]
8. Skin preparation for prevention of surgical site infections after obstetrics and gynecologic abdominal surgeries [non-funded]

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

1. Association of gynecological oncology society of India April 2018
2. Society of Fetal Medicine July 2018

**National/ International Conferences attended:**

1. Recent update in Gynaecologic malignancies, Department of Obst. & Gyne, AIIMS Jodhpur, 15<sup>th</sup> April, 2018, AIIMS Jodhpur Rajasthan,
2. Fundamentals of Biostatistics, Department of Biostatistics, CMC Vellore
3. Health research fundamental course of biostatistics, NPTEL, 28 April 2018, Jaipur
4. 1st trimester USG and Screening CME, fetal medicine, Department of Obst. & Gyne, AIIMS Jodhpur, 8 July 2018, AIIMS Jodhpur Rajasthan
5. Good Clinical Practice workshop, Department of Pharmacology, AIIMS Jodhpur, 4th to 5th August 2018, AIIMS Jodhpur Rajasthan.
6. Feetomeet 2018, Society of fetal medicine, 1-2 September 2018, Hotel Gangakashi, Nagpur
7. Sonofest 2018, Society of fetal medicine, 7-9th September 2018, Jodhpur
8. Joint Leadership Conclave 2018, AIIMS Jodhpur in collaboration with IIT Jodhpur, 3-4th December 2018, AIIMS Jodhpur
9. Master class with CME "Robotic surgery: Expanding Horizons, AIIMS Jodhpur, Vattikuti foundation, 29-30th November 2018, AIIMS Jodhpur.

**Name of Faculty: Dr. Priyanka Kathuria**  
**Designation: Assistant Professor**

**Research Project:**

❖ **Completed:**

➤ **As Co-Investigator**

1. Correlation Between Preoperative Clinical Diagnosis, Imaging and Histopathology of Adnexal Masses: A Retrospective Study [non-funded]

**Books/Chapters**

1. Ghuman NK, Kathuria P. Energy Sources in Minimal Access Surgery. In: Manual of Basic Laparoscopic Gynaecological Surgery, Singh P (editor), 1 st edition, 2019; 54-67

**Symposium Speaker**

1. Medico legal Aspect of Endoscopic Surgery, 2nd Annual conference of Association of Gynae Endoscopic Surgeons, 14th April 2019, Kota, Rajasthan

**Resource Faculty:**

1. VIA training for medical officers, organized Feb 2019.

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

1. URPSSI (Urogynecology and Reconstructive Pelvic Surgery Society of India)
2. FOGSI (Federation of Obstetricians and Gynaecologists of India)
3. AMASI (Association of Minimal access surgeons of India)

**National/ International Conferences attended:**

1. International Urodynamics Workshop; Urogynaecology Live operative Conference, IUGA, Chennai
2. SONOFEST, Live Workshop and conference at Jodhpur
3. Introductory course on Evidence Based Medicine at AIIMS, Jodhpur

## **Workshops Organised By The Department Of Obstetrics & Gynecology**

### **1. CME Report: Recent Update On Gynecological Malignancy**

Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, Jodhpur organized a CME on “Recent Updates in Gynaecologic Oncology” under the aegis of Association of Gynaecologic Oncologists of India, on 15<sup>th</sup> April, 2018. The CME was organized with the purpose of spreading the word about newer concepts in diagnosing and managing various gynaecologic malignancies. More than 100 Gynaecologists attended this CME and more than 30 senior national faculties graced the occasion. Dr. SBL Shrivastav, President AGOI inaugurated the CME, along with other dignitaries including Dr. Amita Maheshwari, Honorary Secretary General AGOI, Prof. Kuldeep Singh, Dean Academics, AIIMS Jodhpur, Prof. Pratibha Singh, head of the Department (Obstetrics & Gynaecology, AIIMS, Jodhpur ) and organizing chairperson of the CME along with Dr. Garima Yadav, organizing secretary of the CME. Dr. SBL Shrivastav, in his president’s oration spoke about the role of AGOI in Gynaecologic Oncology in which he stressed on the various academic activities run by AGOI in spreading the knowledge and awareness about female genital cancers among the gynaecologists of our country. The CME was conducted in four sessions which included sessions on management of early staged cancers of endometrium and cervix followed by session on early diagnosis and advanced management of ovarian cancers. Post lunch session included lectures on Robotic Surgery in gynaecologic malignancies, crisis in GTN and a panel discussion on Fertility preservation in gynaecologic and breast cancers followed by a mixed bag session on recent advances in management of endometrial cancers and Principles of radiation therapy in Gynaecologic malignancies. Renowned Gynaecologists from the city were also present to deliver lectures and chaired the sessions. Dr. Ranjana Desai, HOD (OBGY) and Medical Supritendent, Ummaid Hospital delivered a talk on burden of disease and prevention of cervical cancers in India, where she shared the increasing incidence of cervical malignancies in our country and ways to screen women in a most efficient way so as to detect early stage diseases in order to prevent progression to invasive cancers. The delegates included post graduate residents from various medical colleges of Rajasthan and hence the lecture on pelvic anatomy delivered by Dr. Sabhyata Gupta was highly appreciated. Dr. Satinder Kaur and Dr. Amrit Gupta gave an insight into various modalities for management of early stage cervical cancers, patient selection for such conservative surgeries and increasing scope of radical trachelectomy. Endometrial Intraepithelial Neoplasia is the new emerging entity in early stage endometrial cancers, the importance of EIN and Dr. Uma Singh discussed its management. Dr. Amita Maheshwari discussed about the dilemmas in diagnosing adnexal masses and approach to their management. She stressed upon the importance of confirming the benign or malignant nature of ovarian masses, preoperatively so that a proper staging is planned. She shared various tricks on laparoscopic management of early stage ovarian cancers by highly informative video presentations. Dr. Abraham Peedicyl discussed the upcoming role of Heated Intraperitoneal chemotherapy (HIPEC) in details along with the role of Neoadjuvant Chemotherapy (NACT) in management of advanced ovarian cancers. There was an interesting panel discussion on “Dealing with Dilemmas in Gynaecologic Malignancies”.

Dr. Ranu Patni moderated this panel and the panellists included highly experienced Gynaecologic oncologists from all parts of the country including Dr. Janmejaya Mohapatra, Dr. Jita Parija, Dr. Yogesh Kulkarni and Dr. Hemali Sinha. The panel included very informative discussion on interesting cases like management of early stage cervical cancers, management of endometrial intraepithelial lesions along with discussions on how to improve diagnosis in suspicious ovarian malignancies. Dr. Yogesh Kulkarni shared his experiences of robotic surgery in treatment of gynaecologic malignancies. Minimally invasive surgery is fast becoming the norm in the surgical management of cervical and endometrial cancers. The ease and precision of robotic surgery in doing advanced procedures like pelvic and para-aortic lymphadenectomy, ureteral dissection, and endosuturing, is much appreciated. Gestational trophoblastic neoplasia with its wide range of presentation in almost all age group, always poses a diagnostic dilemma in front of clinicians. Dr. Bhagyalaxmi Nayak discussed critical case scenarios of GTN in details. The technical advances in the field of assisted reproductive technologies has proven to be a boon to cancer survivors. Dr. Pratibha Singh and Dr. Garima Yadav moderated a panel on fertility preservation in gynaecologic and breast cancer patients to discuss the recent advances in fertility preservation techniques like oocyte preservation, ovarian tissue cryopreservation and embryo freezing, a panel on fertility preservation in patients of gynecological malignancy.



Inauguration ceremony





Faculty felicitation

## 2. CME on Fetal Medicine:

Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, Jodhpur along with Society of Fetal Medicine organized a CME on **“First Trimester USG & Screening”**, on 8<sup>th</sup> July, 2018. The CME was organized with the purpose of spreading the updated knowledge about newer concepts in diagnosing and managing Congenital Anomalies on time. Prof. Pratibha Singh, head of the Department (Obstetrics & Gynaecology, AIIMS, Jodhpur) and organizing chairperson of the CME along with Dr. Sunil Mehta organizing secretary gave brief introduction regarding the purpose and content of CME. More than 120 gynaecologists and radiologists attended this CME and 13 national faculties graced the occasion. The CME included various interesting lectures and panel discussions on Screening and First trimester USG.

The delegates also included postgraduate residents from various medical colleges of Rajasthan, Medical officers and renowned practitioners. Dr. B I Patel gave an insight into Sono-embryology and intervention in first trimester. Dr Janak Desai discussed about 11-13 wks USG along with predictors of poor outcome in first trimester. Dr Sunil Mehta discussed on determining chorionicity and amnionicity in multifetal pregnancies.. He also conducted a quiz on correct and incorrect nuchal thickness measurement technique and interpretation for delegates.

Two Interesting panel discussion were conducted on ‘Screen positive – What next?’ and ‘First trimester loss ‘ –in which Dr Pratibha Singh, Dr Shashank Shekhar , Dr Meenakshi Gothwal , Dr Garima Yadav, Dr Navdeep Ghuman , Dr Charu Sharma, Dr Renu Makwana, Dr Rakhi Mehta and Dr B S Jodha actively participated as panellist. Dr. Mayank Choudhary discussed about the First trimester CNS malformation. Dr Girish Patel discussed on CVS malformation and importance of fetal. Dr Janak Desai and Dr Mayank also discussed interesting cases. During the CME Penta screening was also launched.



Faculty and delegates during the conference

### 3. Practical drill workshop on Birthing Simulator: 15<sup>th</sup> September 2018

One-day workshop was conducted on practical obstetric drill for the department of obstetrics & Gynaecology. Obstetric emergencies are a leading cause for maternal mortality and morbidity in the third world countries. It is important to timely diagnose and manage them in a stepwise manner to have best outcome. All the participants [approximately 30 ] practiced various situation like Eclampsia with cardiac arrest, PPH, and Shoulder dystocia on these simulators and learned the necessary skills and steps required for effective management for these cases.



Active participation by faculty and delegates in the sessions



Hands-on training session in progress

#### 4. VIA workshop: 18<sup>th</sup> & 19<sup>th</sup> Feb 2019

Workshop for VIA Training was organized by department of Obstetrics & Gynecology and School of Public Health for the Medical officers. It was funded by NHM and supported by Tata trust. Around 30 medical officers attended this workshop. Cervical cancers is still a leading cause for genital tract cancer in India, and has a long pre-invasive stage making it amenable to detection by screening methods. VIA [Visual inspection after Acetic Acid application] is a low cost , simple, method for cervical cancer screening and the results are available immediately.

The participants were taught about the basics of cervical cancer, its origin, importance and recognition of transformation zone. They were also taught how to recognize VIA positive and negative areas, and documentation of their findings. Management of screen positives were also discussed.

Next day completely dedicated to practical demonstration and hands on practice. They were how to prepare acetic acid solution, and hands on practice on doing VIA. All the participants practiced on patients under the supervision of consultants. They were also shown many images of VIA positive and negative cases and suspicious cases for cervical cancer and asked to identify them. All the participants wre very happy with the sessions. Departmental faculty- Dr P Singh, Dr S Shekhar, Dr N Ghuman, Dr C Sharma, Dr M Goyal, Dr G Yadav, Dr M Gothwal, Dr M Jhirwal and Dr P Bhardwaj were actively involved in this training program.



CME in progress



Faculty and delegates during the CME

## Department of Ophthalmology

S.No.	Name	Designation
1.	Dr. Arvind Kumar Morya	Associate Professor
2.	Dr. Suwarna Suman	Assistant Professor
3.	Dr. Seema Meena	Assistant Professor

Department of Ophthalmology at AIIMS Jodhpur has made enormous strides in our tripartite mission of patient care, teaching, and research. The department provides a wide range of ophthalmic services, caring for patients with routine medical needs and those with rare and complex conditions.

Our department offers several key specialities like Glaucoma and Cataract in addition to various other subspecialities like pediatric ophthalmology and strabismus, ROP screening for new-borns, Diagnosis of posterior segment diseases like diabetic retinopathy, ARMD and other macular pathologies, retinal detachment. A new modality added to this spectrum is Phakic Intraocular lenses in the field of refractive surgeries with promising results.

We are performing a wide variety of surgeries in our department.

1. Surgeries in Cataract subspeciality done are-Extra Capsular Cataract extraction(ECCE), Small Incision Cataract Surgery(SICS), Phacoemulsification, including difficult cases like small pupil, pseudoexfoliation cases, zonular dialysis cases, cases with previous refractive surgeries (R.K), secondary IOL implantation(iris claw lenses)
2. Post cataract management includes YAG capsulotomy for PCO( posterior capsular opacification)
  - Surgeries in Glaucoma subspeciality done are-Combined cataract and filtering procedures – phaco with trabeculectomy and recalcitrant cases with a collagen matrix implant, laser for glaucoma which includes Nd YAG peripheral iridectomy.
  - Surgeries done in Retina subspeciality include- Intravitreal injections, Buckling surgeries for retinal detachment.  
Lasers in retina subspeciality include-Pan retinal photocoagulation, Focal lasers
  - Surgeries in pediatric ophthalmology and strabismus done are squint surgeries, pediatric cataract surgeries.
  - Surgeries in Orbit and Oculoplasty subspeciality done are- Ptosis correction, Evisceration for endophthalmitis and panophthalmitis, Enucleation with orbital implant for intraocular tumors, Squamous neoplasia excision with post operative topical anti neoplastic drugs, Pterygium surgery with limbal conjunctival autograft with anti neoplastic drugs ,Ocular carcinoma cases like lid cancers – excision and lid repair
  - Ocular trauma cases – corneoscleral repair with or without IOL and lid repair.
  - Recently added to this enormous list is correction of refractive error, not amenable to correction other modalities by Phakic Intraocular lenses.

This growth is due to the dedicated work of our visionary leader Dr. Arvind Kumar Morya and other faculties along with their team of young ophthalmologists comprising of senior residents-Dr. Sahil

Bhandari, Dr. Kanchan Solanki, Dr. Kalpit Jangid, Dr. Priyanka Rathore and Junior residents-Dr. Anushree Naidu, Dr. Sonalika Gogia, Dr. Sujeet Prakash, Dr. Sulabh Sahu.

Also a strong and positive base comprising of our hardworking optometrists- Mr. Raghuveer, Ms. Neha, Mrs. Diksha, Mr. Sampat ,is critical in being able to achieve our goals and support our patients. Apart from clinical work, Department is also engaged in various teaching programmes and conferences for post graduates and have successfully organised two annual conferences AKSHICON I and II.

All of us here at the Department of Ophthalmology, AIIMS Jodhpur have agreed to the core belief that "People's sight matters" and we work continuously to achieve our goal.

**Name of faculty: Dr. Arvind Kumar Morya**  
**Designation: Associate Professor**

**Publications:**

1. Morya A.K. et al. Keeping the Hope Alive - Building a Tertiary Eye Centre: Mar-Apr 2019. DOS Times; ISSN 0972-0723
2. Morya AK. Commentary on: "Tribal Odisha Eye Disease Study # 4: Accuracy and utility of photorefractive error correction in tribal Odisha (India) school screening". Indian J Ophthalmol. 2018;66(7)
3. Morya AK, Bhandari S, Naidu A. Retrospective study on outcomes of terminal chop technique of nuclear fragmentation in phacoemulsification and combined surgery: An observational study. Indian J Ophthalmol. 2019;67(2):217–220.

**Book Chapter:**

1. Morya AK, Solanki K, Bhandari S and Naidu A. Binocular functions: Open access, Peer Reviewed. Published: March 12th 2019

**Papers presented:**

1. Morya AK. Role of bioprotectants in dry eye disease. ROSCON, Ajmer, 2<sup>nd</sup>-4<sup>th</sup> Nov 2018
2. Morya AK. Basics of nucleus management in SICS. ROSCON, Ajmer, 2<sup>nd</sup>-4<sup>th</sup> Nov 2018
3. Morya AK. Techniques of nucleus delivery. IIRSI, Chennai July 2018.
4. Morya AK. PEX cases- our experience. AKSHICON-II, AIIMS Jodhpur 7-8 th Dec 2018.
5. Morya AK. Pediatric cataract cases-our experience. AKSHICON-II, AIIMS Jodhpur, 7-8th Dec 2018.
6. Morya AK. Basics of Nucleus Management in MSICS. AKSHICON-II, AIIMS Jodhpur, 7-8th Dec 2018.
7. Morya AK. Experience with trabe in cases of buphthalmos. AKSHICON-II, AIIMS Jodhpur, 7-8th Dec 2018.
8. Morya AK. Trehalose- kuchmeetha ho jaye!. AKSHICON-II, AIIMS Jodhpur, 7-8th Dec 2018.
9. Morya AK. Phaco in a case of complicated cataract. AKSHICON-II, AIIMS Jodhpur, 7-8th Dec 2018.

10. Morya AK. Talk on Refraction not mandatory for post graduates. All India Ophthalmological Conference, Indore, 14<sup>th</sup>-17<sup>th</sup> Feb 2019
11. Morya AK. How to manage large size nucleus in SICS. All India Ophthalmological Conference, Indore, 14<sup>th</sup> -17<sup>th</sup> Feb 2019
12. Morya AK., Naidu A. Physical poster-A case review of intermittent exotropia. All India Ophthalmological Conference, Indore, 14<sup>th</sup> -17<sup>th</sup> Feb 2019
13. Morya AK. Dry eye management. Jodhpur CME, Apr 2018.
14. Morya AK. Ologen-saviour in glaucoma. Jodhpur CME, Jun 2018
15. Morya AK. Intravitreal Methotrexate in a case of VKH. Jodhpur CME, August 2018.
16. Morya AK. Pseudoexfoliation syndrome. Jodhpur CME, October 2018.
17. Morya AK. Retropupillary iris claw lens. Jodhpur CME, Nov 2018.
18. Morya AK. Dry eye disease. Udaipur CME, Jun 2018.
19. Morya AK. Retrospective study on outcomes of terminal chop technique of nuclear fragmentation in phacoemulsification and combined surgery. Udaipur CME, Jun 2018.
20. Morya AK. Talk on Phakic IOL. Sri ganganagar, Sep 2018
21. Morya AK. Retrospective study on outcomes of terminal chop technique of nuclear fragmentation in phacoemulsification and combined surgery. Sri ganganagar, Sep 2018.
22. Morya AK. Ologen- a new savior in glaucoma. Global hospital, Aburoad, Feb 2019
23. Morya AK. Retrospective study on outcomes of terminal chop technique of nuclear fragmentation in phacoemulsification and combined surgery. Global hospital, Aburoad, Feb 2019.
24. Morya AK. Management of cataract in cases of Pseudoexfoliation syndrome .Global hospital, Aburoad, Feb 2019.
25. Morya AK. Corneal transplant. Lions club CME, Feb 2019
26. Morya AK. Talk on Phakic IOL. Bhatinda Ophthalmological Society
27. Morya AK. Talk on Multifocal IOLs. Bhatinda Ophthalmological Society

**Sessions chaired:**

1. Glaucoma session. AKSHICON-II, 7<sup>th</sup>- 8<sup>th</sup> December, 2018.
2. Live surgery: Phakic IOL. AKSHICON-II, 7<sup>th</sup>- 8<sup>th</sup> December, 2018.
3. Cataract session. AKSHICON-II, 7<sup>th</sup>- 8<sup>th</sup> December, 2018.
4. Cataract session SICS. AKSHICON-II, 7<sup>th</sup>- 8<sup>th</sup> December, 2018.
5. Glaucoma session. ROSCON, 2<sup>nd</sup>-4<sup>th</sup> November, 2018.
6. Cornea session. ROSCON, 2018
7. Glaucoma session. DOS 2019
8. SICS session. IIRSI 2018, 2019
9. Toric and Multifocal Session. Ganganagar 2018

**Invited lectures:**

1. Talk on Refraction not mandatory for post graduates. All India Ophthalmological Conference, Indore, 14<sup>th</sup>-17<sup>th</sup> Feb 2019.
2. How to manage large size nucleus in SICS. All India Ophthalmological Conference, Indore, 14<sup>th</sup>-17<sup>th</sup> Feb 2019.
3. Talk on Phakic IOL. Sri ganganagar, Sep 2018
4. Corneal transplant. Lions club CME, Feb 2019
5. Talk on Phakic IOL. Bhatinda Ophthalmological Society
6. Talk on Multifocal IOLs. Bhatinda Ophthalmological Society.

**Symposium speaker:**

1. Methods to improve teaching pattern of PG'S.AIOS 2019
2. DME Conclave – Medical vs Surgical Management. New Delhi 2018
3. New Surgical Modalities in Glaucoma. Global Eye Institute, Abu Road 2018

**Resource faculty:**

1. Surgical Skill Transfer Course- Phacoemulsification, SICS, Intravitreal injections, Trabeculectomy with or without ologen. All India Ophthalmological Conference, 14<sup>th</sup>-17<sup>th</sup> Feb, 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Different management modalities for Dry Eye
2. Short term Topical Steroid vs NSAID in post op Cataract patients
3. Dexmedetomidine as an adjunct in PBB.
4. Trabeculectomy – MMC VS Ologen Implant
5. Role of Oclutab in the management of Amblyopia patients
6. AS-OCT in PEX Cases

➤ **As Co-Investigator**

1. Co-investigator in the ongoing ICMR project “Congenital Rubella Syndrome”.

❖ **Completed:**

➤ **As Principal Investigator**

1. Intramural project “To study the effect of common Yoga postures on IOP”. Funded by AIIMS, Jodhpur
2. Intramural study funded by AIIMS, Jodhpur titled “Incidence and Prevalence of Dry-Eye in Western Rajasthan”



➤ **As Co-Investigator**

1. To know the causative organism and Management of Corneal Ulcers in Western Rajasthan

**Scientific Awards/Patents:**

1. 2<sup>nd</sup> prize in surgical video competition in cataract and refractive section , ROSCON, 2<sup>nd</sup>-4<sup>th</sup> November, 2018
2. Inclusion in top 100 PG Teachers by ARC,AIOS

**Examinership:**

1. Appointed as external examiner for postgraduate course at MAMC, Agroha.
2. Appointed as external examiner for undergraduate course at MAMC, Agroha.
3. Appointed as external examiner for undergraduate course at R.N.T. Medical College Udaipur.

**Memberships:**

1. ACOIN Society of India
2. Member Scientific Committee, ISMSICS (International Society of Manual small Incision Cataract Surgery)
3. Glaucoma Society of India
4. IIRSI Society

**POST IN JOURNALS:**

1. Associate Editor in Uttarakhand Journal Of Ophthalmology.
2. Reviewer in Annals of International Medical and Dental Research.
3. Assistant Editor in Indian Journal of Ophthalmology in Community Ophthalmology Sub - speciality

**National Conferences attended:**

1. IIRSI, July 2018
2. ROSCON, 2<sup>nd</sup>-4<sup>th</sup> Nov, 2018
3. All India Ophthalmological Conference, 14<sup>th</sup>-17<sup>th</sup> February 2019
4. Glaucoma Annual Conference 2018
5. Would Paediatric Conference , Hyderabad 2018

**Workshop/ Conferences organized:**

1. As Chairman in AKSHICON-II, 2<sup>nd</sup> annual Conference, AIIMS Jodhpur 7<sup>th</sup>-8<sup>th</sup> December, 2018

**Name of faculty: Dr. Suwarna Suman**

**Designation: Assistant Professor**

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Congenital Rubella Syndrome Surveillance, ICMR

**Examinership**

1. Practical exams of MBBS RUHS 29-31 Jan-2019.
2. Paramedical exams of RUHS 23-11-18Jan-2019.
3. Appointed as examiner by RUHS to conduct B.Sc (HONS) ophthalmic techniques part-II (remanded) exam may 2018 in the subject ophthalmic instruments & appliances at Dr. S.N. Medical College (paramedical), Jodhpur.

**National/ International Conferences attended:**

1. AIOS surginarseies- complex cataract surgery/ it's all in your hands.
2. CME- Antibiotic resistance on 1<sup>st</sup>& 2<sup>nd</sup> Feb 2019 organised by Department of Microbiology and Paediatrics, AIIMS Jodhpur, Feb 2019.
3. CME- Learning plan: Anisocoria.
4. CME- BCSC: Glaucoma.
5. Course: Normal Tension Glaucoma.
6. CME- Unconscious Bias in Medicine.
7. CME- Exploring Neurostimulation: A new tool for Dry Eye Disease.
8. CME- Applying the latest data on treat and extend strategies to clinical cases.
9. Online clinical grand round colored visco suction assisted ILM flap placements.

**Name of faculty: Dr. Seema Meena**

**Designation: Assistant Professor**

**Eminent Visitors:**

1. Dr. Rajendra Prasad, Director, Rajendra Prasad Eye Institute, Vasant Kunj, New Delhi.
2. Dr. Praveen Vashist, Professor and Head, Community Ophthalmology Department, Dr. R.P. Centre, All India Institute Of Medical Sciences, New Delhi
3. Dr. Sheetal Mahuvakar, Retina Foundation and Eye Research Centre, Ahmedabad

## Department of Orthopedics

S.No.	Name	Designation
1	Dr. Abhay Elhence	Professor & Head
2	Dr. Sumit Banerjee	Associate Professor
3	Dr. Nitesh Gahlot	Assistant Professor
4	Dr. Nilesh Barwar	Assistant Professor (Trauma & Emergency)

### About the Department

The year 2018-19 has been an extremely good one for the Department of Orthopaedics at AIIMS Jodhpur. The year boasts of commendable achievements on the National and International level by the faculty and residents of the department.

The department has built a culture of clinical excellence amongst the faculty, senior and junior residents. The faculty have excelled themselves in clinical work and have achieved very laudable academic platforms as faculty and clinical leads in various sub disciplines viz. Adult hip and knee reconstruction, sports medicine, Oncology, spine and trauma care.

Dr. Abhay Elhence delivered 39 invited guest lectures in National workshops and symposia. Dr. Elhence has been chosen to be a coordinator and lead international faculty for two International workshops on Pelvi-acetabular trauma, one in University of Dundee, Scotland, UK and another at the Chula Theil Cadaver lab at Bangkok, Thailand. Dr. Elhence was also chosen to represent the country in the 13th AO Trauma Asia Pacific, "Unmet Clinical Needs in Trauma symposium" in Kuala Lumpur, Malaysia. Dr. Sumit Banerjee was appointed Director of the ATLS Course in addition to being resource faculty at numerous national workshops and symposia on Sports medicine and adult hip and knee reconstruction. Dr. Nitesh Gahlot has been awarded the ambassadorship of IOA to South Korea.

The department faculty has endeavoured to undergo advanced training in their Orthopedic sub specialties in the form of fellowships. Dr. Sumit Banerjee attended a training program on hip and knee reconstruction at Bangkok; Dr. Nitesh Gahlot underwent training in Sports medicine and adult reconstruction in Australia, Dr. Divesh Jalan did a 3 month fellowship in musculoskeletal Oncology at Hong Kong and Dr. Nilesh Barwar underwent spine fellowship at Sancheti Institute Pune. Dr. Nitesh Gahlot and Dr. Nilesh Barwar were nominated to attend the prestigious AO Spine Scoliosis residential training program at Kochi.

We are constantly trying to inculcate a culture of excellence in our senior residents and all our senior residents compulsorily go for training fellowships outside the Institute to other centres of excellence. One of our SRs Dr. Khushwant Singh Rathore was accepted and completed a fellowship in deformity correction at Ospedale Alessandro Manzoni in Italy. We are also proud that two of our existing junior resident's Dr. Kishor Kunal and Dr. Kishor Munde's thesis work has been accepted for an oral presentation in 2019 at the 12<sup>th</sup> International Conference on Orthopaedics, Osteoporosis and Trauma in England.

The department faculty has undertaken numerous Intramural and clinical research projects which have resulted in multiple publications in peer reviewed journals.

Dr. Abhay Elhence, was nominated as an external expert for faculty recruitment at AIIMS Delhi and AIIMS Rishikesh and all the department faculty have shouldered multiple administrative responsibilities as per their designation and as nominated by the Institute with full responsibility.

In short, the department has taken significant strides into becoming a department of National standing and stature in the calendar year 2018-19.

### **Compiled list of Publications of the department:**

#### **Papers**

##### **Pubmed Indexed:**

1. 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.
2. J Pediatr Rehabil Med. 2019;12(1):49-56.
3. Gonnade N, Bajpayee A, Elhence A, Lokhande V, Mehta N, Mishra M, Kaur A. Regenerative efficacy of therapeutic quality platelet-rich plasma injections versus phonophoresis with kinesiotaping for the treatment of chronic plantar fasciitis: A prospective randomized pilot study. Asian J Transfus Sci. 2018 Jul-Dec;12(2):105-111.
4. Mishra K, Siddharth V, Bhardwaj P, Elhence A, Jalan D. Perception of school teachers towards inclusive education system in Jodhpur city, Rajasthan, India. Journal of Clinical and Diagnostic Research serial online 2018 April; 12:JC19-JC23
5. Gwark JY, Gahlot N, Kam M, Park HB. Is the Frozen Shoulder Classification a Reliable Assessment? Clin Shoulder Elbow. 2018 Jun 21(2):82-86.

##### **Eminent Visitors:**

1. Professor Kok Sun Khong, Pelvi-acetabular surgeon and musculoskeletal oncology and joint reconstruction specialist, Farrer Park Hospital, Singapore

**Name of Faculty: Dr. Abhay Elhence**

**Designation: Professor & Head**

##### **Sessions Chaired:**

1. Moderator in the 8<sup>th</sup> AO Trauma India National Conference on articular & periarticular fractures at Lucknow from 27<sup>th</sup> April – 29<sup>th</sup> April, 2018.
2. National Symposium of Pelvic Acetabular Fracture & Cadaveric Workshop at AIIMS from 24<sup>th</sup> August – 25<sup>th</sup> August, 2018 at Raipur.
3. Guest Speaker in the Annual meeting of Varanasi Orthopaedics Society at Benaras Hindu University from 8<sup>th</sup> December – 9<sup>th</sup> December, 2018.
4. Free paper session on TKA at IAACON , Alwar Rajasthan on 18th Nov, 2018

**Invited Lectures / Symposium Speaker / Resource Faculty:**

1. Invited National Faculty in the 3<sup>rd</sup> AIIMS-ACSST (Cadaveric Surgical Skills Training) pelvic-acetabulum course at JPN Apex Trauma Center, AIIMS New Delhi on 14<sup>th</sup> – 15<sup>th</sup> April, 2018
2. Invited Faculty in the 8<sup>th</sup> AO Trauma India National conference on articular & periarticular fractures at Lucknow from 27<sup>th</sup> April – 29<sup>th</sup> April, 2018
3. Invited Faculty in the BOS Pelvi-acetabular course-2018 from 13<sup>th</sup> July – 14<sup>th</sup> July, 2018 at Seth GSMC and KEM Hospital, Mumbai
4. Invited National Faculty in the AO Trauma Advanced Principles course of fracture Management-2018 from 1<sup>st</sup> August – 4<sup>th</sup> August, 2018 at Chandigarh
5. Invited Faculty in Pelvi-acetabular workshop from 7<sup>th</sup> September – 8<sup>th</sup> September, 2018 at Kanpur
6. Invited Faculty in the knee & hip workshop from 29<sup>th</sup> September – 30<sup>th</sup> September, 2018 at Apollo Hospital, New
7. Invited Faculty in the Basic Pelvi-acetabular workshop on 7<sup>th</sup> October, 2018 at CIMS Hospital, Ahmedabad
8. Attended the board of studies meeting at AIIMS, Rishikesh on 26<sup>th</sup> October, 2018.
9. Invited National Faculty in the CME cum hands on workshop on Acetabular fractures on 28<sup>th</sup> October, 2018 at Fortis Shalimar Bagh, New Delhi
10. Invited faculty in the 15<sup>th</sup> Annual conference of Indian Arthroplasty Association (IAACON 2018) from 16<sup>th</sup> November – 18<sup>th</sup> November, 2018 at Neemrana, Alwar
11. Invited faculty in the 63<sup>th</sup> Annual conference of the India Orthopaedic Association (IOACON Coimbatore 2018) from 26<sup>th</sup> November – 30<sup>th</sup> November, 2018 at Coimbatore
12. Invited Faculty in the North Zone Annual Conference from 8<sup>th</sup> February – 10<sup>th</sup> February, 2019 at Jammu
13. Invited Faculty in the AO Trauma Course – Basic Principle of Fracture Management from 14<sup>th</sup> March – 16<sup>th</sup> March, 2019 at Cochin, Kerala
14. Invited Faculty in the 3<sup>rd</sup> AOPAS Meeting from 29<sup>th</sup> March – 31<sup>st</sup> March, 2019 at Bhubaneswar

**Research Project:****❖ Ongoing:****➤ Chief Investigator:**

1. Safety and Efficacy of apixaban and enoxaparin in patients undergoing total hip arthroplasty and total knee arthroplasty: A Prospective Observational Study
2. Anatomical factors & functional status affecting knee pain and quality of life in patients with moderate to severe osteoarthritis knee
3. Incidence of proximal Deep Vein Thrombosis in Elderly hip Trauma patients: Comparison of mechanical only and combined mechanical and Enoxaparin Prophylaxis: A CT based prospective randomized study

**➤ Co-Investigator**

1. Effect of platelet Rich plasma on healing of autologous graft following ACL reconstruction: A Randomized Control trial
2. Radiographic analysis of sagittal spino-pelvic balance in asymptomatic population and lowbackache patients

3. Morphometric variations of the corona mortis in Anterior intra-pelvic approach

❖ **Completed:**

➤ **As Principal Investigator**

1. Determination of Vitamin D reference level in healthy population in Rural Rajasthan.

➤ **As Co-Investigator**

1. Determination of Vitamin D reference level in healthy population in Urban Rajasthan
2. Low Cost Indigenous Patient Specific Solution for Total Knee Replacement (Arthroplasty) - B.Tech Project (Collaborator Dr. Gaurav Harit, Dr. Chiranjoy Chattopadhyaya)
5. Motion Analysis System for patients with Shoulder Impingement Syndrome – B.Tech Project (Collaborator Dr. Anil Tiwari)

**Examinership**

1. UG and PG examiner for Swami Vivekanand Subharati University of Medical Sciences, Meerut.
2. UG and PG examiner for Government Medical College, Kota
3. UG examiner for Era Medical College, Lucknow.

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

1. Secretary Association of Pelvic - Acetabular Surgeons.

**Reviewer**

1. Indian Journal of Orthopedics
2. Journal of Clinical Orthopaedics and Trauma

**National/ International Conferences attended:**

1. 3<sup>rd</sup> AIIMS-ACSST (Cadaveric Surgical Skills Training) pelvic-acetabulum course at JPN Apex Trauma Center, AIIMS New Delhi on 14<sup>th</sup> – 15<sup>th</sup> April, 2018
2. 8<sup>th</sup> AO Trauma India National conference on articular & periarticular fractures at Lucknow from 27<sup>th</sup> April – 29<sup>th</sup> April, 2018
3. BOS Pelvi-acetabular course-2018 from 13<sup>th</sup> July – 14<sup>th</sup> July, 2018 at Seth GSMC and KEM Hospital, Mumbai
4. AO Trauma Advanced Principles course of fracture Management-2018 from 1<sup>st</sup> August – 4<sup>th</sup> August, 2018 at Chandigarh
5. Pelvi-acetabular workshop from 7<sup>th</sup> September – 8<sup>th</sup> September, 2018 at Kanpur
6. AO Trauma workshop / course – Acetabular and pelvic fracture management from 15<sup>th</sup> September – 18<sup>th</sup> September, 2018 at Graz, Austria.
7. Knee & hip workshop from 29<sup>th</sup> September – 30<sup>th</sup> September, 2018 at Apollo Hospital, New
8. Basic Pelvi-acetabular workshop on 7<sup>th</sup> October, 2018 at CIMS Hospital, Ahmedabad
9. Attended the board of studies meeting at AIIMS, Rishikesh on 26<sup>th</sup> October, 2018.

10. CME cum hands on workshop on Acetabular fractures on 28<sup>th</sup> October, 2018 at Fortis Shalimar Bagh, New Delhi
11. 15<sup>th</sup> Annual conference of Indian Arthroplasty Association (IAACON 2018) from 16<sup>th</sup> November 18<sup>th</sup> November, 2018 at Neemrana, Alwar
12. 63<sup>th</sup> Annual conference of the India Orthopaedic Association (IOACON Coimbatore 2018) from 26<sup>th</sup> November – 30<sup>th</sup> November, 2018 at Coimbatore
13. North Zone Annual Conference from 8<sup>th</sup> February – 10<sup>th</sup> February, 2019 at Jammu
14. AO Trauma Course – Basic Principle of Fracture Management from 14<sup>th</sup> March – 16<sup>th</sup> March, 2019 at Cochin, Kerala
15. 3<sup>rd</sup> AOPAS Meeting from 29<sup>th</sup> March – 31<sup>st</sup> March, 2019 at Bhubaneswar

**Name of Faculty: Dr. Sumit Banerjee**  
**Designation: Associate Professor**

**Invited Lectures / Symposium Speaker / Resource Faculty:**

1. Workshop on Protocol Design and Introduction to Evidence Based Medicine, March 2019, Jodhpur ( **Faculty**)
2. ATLS Provider Course, Jaipur, February 2019, (**Faculty and Examiner**)
3. ATLS 10<sup>th</sup> Edition Update, Delhi, October 2018, (Resource person)
4. Workshop on Protocol Design and Introduction to Evidence Based Medicine, October,2018, Jodhpur ( **Faculty**)
5. Asian Arthroscopy Symposium, Thailand, June 2018, (**Invited Speaker**)

**As chairperson:**

1. International Conference of Pain Management, October 2018,Jaipur
2. Shoulder Knee Course, Jaipur, April 2018,

**Conferences attended:**

1. EBM workshop, March 2019, AIIMS Jodhpur
2. Indian Cartilage Society Congress, Jaipur, December 2018
3. IOACON, Coimbatore, November 2018
4. IAA Meet 2018, Neemrana, November 2018
5. SICOT World Orthopaedic Congress, Montreal, Canada October 2018
6. CME on Good Clinical Practice, AIIMS Jodhpur, July 2018

**Research Project:**

❖ **Ongoing**

➤ **Chief Investigator:**

1. Effect of platelet Rich plasma on healing of autologous graft following ACL reconstruction: A Randomized Control trial
2. Managing Chronic/ missed PCL avulsions: Perspective and Experience at a tertiary care centre

3. 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.

➤ **Co-Investigator:**

1. Safety and Efficacy of apixaban and enoxaparin in patients undergoing total hip arthroplasty and total knee arthroplasty: A Prospective Observational Study
2. Anatomical factors & functional status affecting knee pain and quality of life in patients with moderate to severe osteoarthritis knee
3. Comparative evaluation of thrombotic events with tourniquet use during full length of surgery vs only at cementation in Total Knee Arthroplasty
4. A comparative study of Rasonadi kalka and Asthishrinkla Churn in cases of Bhagna (Fracture)

❖ **Completed:**

➤ **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.

**Examinership**

1. Invited as Postgraduate Examiner for MS (Ortho) at MP Shah Medical College, Jamnagar.

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

1. Indian Orthopaedic Association (IOA)
2. Indian Society for Trauma and Acute Care (ISTAC)
3. Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT)
4. International Cartilage Research Society (ICRS)
5. Indian Cartilage Society (ICS)
6. Indian Arthroplasty Association (IAA)
7. Indian Arthroscopic Society (IAS)

**Reviewer**

1. Indian Journal of Orthopaedics
2. Journal of Clinical Orthopaedics and Trauma
3. Journal of international Medical Research

**Name of Faculty: Dr. Nitesh Gahlot**

**Designation: Assistant Professor**

**Fellowship Awarded:**

1. AO Spine Asia Pacific Fellowship at the Indian Spine Injuries Center (ISIC), New Delhi. June-July 2018.



**Invited Lectures / Symposium Speaker / Resource Faculty:**

1. Basic / Advanced Cadaveric Shoulder Arthroscopy Workshop. Department of Orthopedics ESIC Medical College, Faridabad. March 2019.
2. Jaipur Shoulder and Knee Course in Jaipur in April 2018.
3. ICPM 2018. 7<sup>th</sup> Annual Conference of The Society for Ultrasound in Anaesthesia, October 2018

**Conference attended:**

1. AAOS-ASES Lecture, Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty, November 2018
2. AO Spine Scoliosis week, Kochi, India. April 2018.
3. 2nd ASSI Live Spine Surgery Course at the Indian Spine Injuries Center, New Delhi, June 2018.
4. Intra Operative Neuro-Monitoring (IONM) CME at All India Institute of Medical Sciences (AIIMS), Jodhpur, September 2018.
5. National Workshop on "GOOD CLINICAL PRACTICE, Current regulatory and ethical requirements for conducting clinical trials / research in India including Schedule Y" organized by Department of Pharmacology, All India Institute of Medical Sciences (AIIMS) Jodhpur, August 2018.

**Research Project:**

❖ **Ongoing**

1. Chief Investigator: "Radiographic analysis of sagittal spino-pelvic balance in asymptomatic population and backache patients".
2. Co-Investigator: "Effect of platelet rich plasma on rate of healing of anterior cruciate ligament graft in a tertiary care hospital".

❖ **Completed:**

➤ **As Principal Investigator**

1. Effectiveness of back school program in chronic low back pain in different occupational settings at a tertiary care set-up".

## Department of Otorhinolaryngology

S.No.	Name	Designation
1	Dr. Amit Goyal	Additional Professor and Head
2	Dr. Bikram Choudhury	Associate Professor
3	Dr. Kapil Soni	Assistant Professor
4	Dr. Darwin	Assistant Professor
5	Dr. Sourabha Kumar Patro	Assistant Professor

### 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 multi-departmental Airway Update for Residents and informal events for cochlear implant recipient children of the institute. 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 wining in various competitions in various conferences.

The Department has started newer services in patient care like Pinna Reconstruction, first center to start it in Western Rajasthan. Our 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 in 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 specially with regards to early intervention for hearing loss and tobacco control.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. 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.
2. Kaushal D, Sharma A, Kesarwani A, Kalita JM. Chronic Candida osteomyelitis of hard palate and nose: A diagnostic quandary. Med Mycol Case Rep.2019; 24 (1-4).
3. Bakshi J, Patro SK, Kaur N, Panda NK, Budhiraja G. Understanding Malignancies of the Thyroid Gland: Institutional Experience. Ind J Otolaryngol Head Neck Surg. 2018 Dec 1; 70(4):482-9.

**Non-Pubmed Indexed:**

1. Kaushal D, Soni K, Shakarwal N, Sharma V, Elhence P. Nasal schwannoma causing cosmetic deformity: easy to misdiagnose and easy to miss diagnosis. *Int J Sci Res* 2019;8(2)54-55.
2. Soni K, Kaushal D, Shakarwal N, Jain S. Dentigerous cyst with an impacted canine in the maxillary sinus. *Int J Sci Res* 2019; 8(2)52-53.
3. Kaushal D, Nikhil R, Choudhury B, Soni k. Pott's Puffy Tumor- A Case Report and Brief Review of Literature. *Exp Rhino Otolaryngol*.2 (3).
4. Rajan N, Soni K, Kaushal D, Goyal A. Bernard Webster flap for the reconstruction of lower lip carcinoma- a case report and brief review of literature. *Rajasthan J Otolaryngol Head Neck Surg*. 2019; 3(1):23-25.
5. Elhence P, Soni K. HPV in Head and Neck Cancer– Implications for diagnosis, prognosis and treatment. *Rajasthan J Otolaryngol Head Neck Surg* 2019; 3(1):13-15.
6. Rafi S, Sharma V, Soni K, Choudhury B, Patro S. Gorlin- Goltz Syndrome- a rare genetic syndrome. *Rajasthan J Otolaryngol Head Neck Surg* 2019; 3(1):26-28.
7. Kaushal D, Verma RK, Sharma V. Consistency of Tragal pointer and Tympanomastoid suture as surgical landmarks of facial nerve in parotid surgery: An institutional experience. *J Otol Rhinol* 2018;7:18.
8. Kaushal D, Soni K, Sharma V, Rao M. Rosai Dorfman Disease: A Diagnostic and Therapeutic Dilemma. *J Head Neck Phys Surg*, Oct 2018;6:S22.
9. Kaushal D, Sharma V, Goyal A, Choudhury B. Tackling Monster Thyroids. *J Head Neck Phys Surg*. Oct 2018:6:S20.
10. Shakarwal N, Kaushal D, Soni K, Goyal A, Choudhury B, Patro S. Experience of Head-Neck Tuberculosis: An Institutional Experience. *J Head Neck Phys Surg*. Oct 2018:6:S25.
11. Nair NP, Kaushal D, Soni K, Choudhury B, Patro S. Prognostic factors and treatment outcomes of surgical management of oral cavity cancers: an institutional experience. *J Head Neck Phys Surg*. Oct 2018:6:S44.

**Workshops/ Conferences Organized**

1. 2<sup>nd</sup> Hands-on cadaver dissection course on Head & Neck Surgery, 17<sup>th</sup>-18<sup>th</sup> August, 2018, AIIMS, Jodhpur.
2. 2<sup>nd</sup> Hands-on cadaver dissection course cum Live Surgical Workshop on Rhinoplasty, 12<sup>th</sup>-13<sup>th</sup> October, 2018, AIIMS, Jodhpur.
3. 1<sup>st</sup> Airway Update for Residents, 15<sup>th</sup> and 16<sup>th</sup> March 2019, AIIMS, Jodhpur.
4. Two events for Cochlear Implant Recipient Children giving them the platform to interact and showcase their talents.
5. Awareness about newly launched WHO Hearing Screening Mobile Application HearWHO during Annual Intercollege Festival on World Hearing Day 3<sup>rd</sup> March, 2019.

**Any other information:****2<sup>nd</sup> Hands-on Cadaver Dissection Course on Head & Neck Surgery**

Organized in collaboration with the Department of Anatomy, this academic feast covered topics related to Thyroidectomy, Parotidectomy and Neck dissection in form of various lectures by subject experts. All Faculties gave active and effective contribution towards the planning and execution of the event. All delegates were taught finest skills related to head neck surgery particularly on one to one basis.

Event was inaugurated on 17<sup>th</sup> August, 2018 by the Honourable Director of the Institute. The event included lectures, Cadaveric dissection demonstration followed by hands on cadveric dissection. Dr. Pawan singhal from SMS Jaipur and Dr. Rajeev Kumar from AIIMS New Delhi Joined us as guest faculties 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 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.



Enthusiastic participants at the hands-on cadaveric stations



Cadaveric dissection demonstration session in progress

### **2<sup>nd</sup> Hands-on Cadaver Dissection Course cum Live Surgical Workshop on Rhinoplasty**

This event had active contribution from the Departments of Anatomy, Anaesthesiology & Critical Care and Plastic Surgery.

Event was inaugurated on 12th October 2018 by the honourable Dean (Academics) of the Institute. Dr. Sunil Tanwar, Dr. Arvind Kairo and Dr. Rakesh Kumar (Professor, Department of Otorhinolaryngology, AIIMS, New Delhi) were invited as a guest faculty. The academic feast covered lectures on different aspects of Rhinoplasty.

5 patients were operated and were demonstrated live to delegates. Next day cadaveric dissection was demonstrated by faculty and then hands on were performed by delegates

The event had 20 delegates from various parts of the country. 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 surgical demonstration in progress



Cadaveric dissection demonstration by faculty

### 1<sup>st</sup> Airway update for residents

The academic feast covered topics related establishment, maintenance and interventions/ surgeries of the airway exhaustively and catered to the needs of the residents of various specialties involved in management such as Otorhinolaryngology, Anaesthesia, Pulmonary Medicine, Internal Medicine and Paediatrics. Other departments such as Anaesthesia and Critical Care, Pulmonology and Paediatrics gave active and effective contribution towards the planning and execution of the event.

Event was inaugurated on 15<sup>th</sup> march 2019 by the honourable Director of the Institute. Dr. Amit Kumar from AIIMS, Rishikesh Joined us as guest faculty. The program on 16<sup>th</sup> of march included hands on training on intubation, surgical airway establishment, rigid and flexible bronchoscopy at 6 hands on stations on mannequin and various materials used in establishment, maintenance and surgery of the airway. This hands on event was the centre of attraction of the event as per the written feedback received from the delegates in a predesigned feedback format.

The event had 45 attendees from various parts of the country. The event concluded with a brain storming quiz at the end of Event. Dr. Papung from the Department of Anaesthesiology AIIMS Jodhpur and Dr. Shivam from the Department of Otorhinolaryngology SNMC, Jodhpur won first and second prizes correspondingly in the Quiz.



Participants during the session



Enthusiastic participation by the residents in hands-on sessions

### Events for Cochlear Implant Recipient Children

Two events were organized for Cochlear Implant Recipient Children of our Institute. In the first event, they performed poetry recitation, dance, chat etc. in front of their parents.

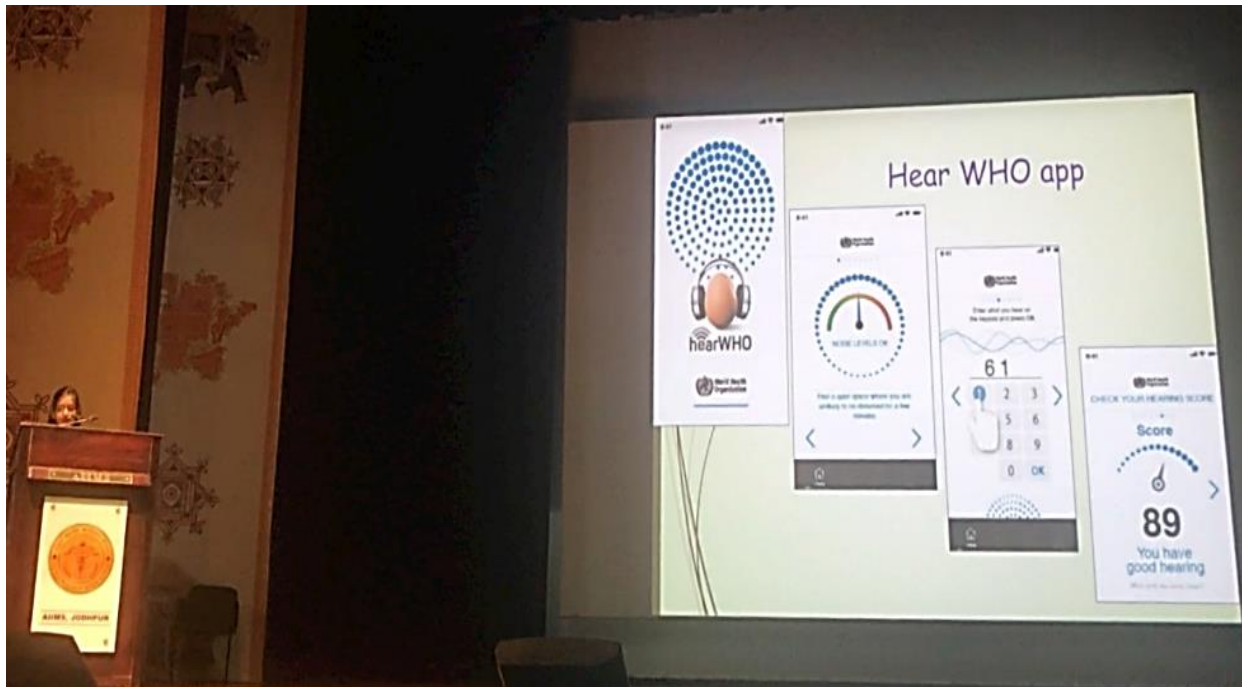
In the second event on world deafness day, they participated in colouring event where they put colours in various sketches. All were given gifts and motivated.

The events provided platform for them to interact with each other and boost their confidence by various activities.



Cochlear implant recipient children participating in a colouring event





Generating awareness on World Deafness Day

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

**Designation: Additional Professor and Head**

**Books/Chapters:**

1. Sharma V, Nair NP, Goyal A. Pediatric Vestibular Disorder – a difficult entity. In: Complicated Cases in Vertigo and Dizziness, S.K. Kacker, 2<sup>nd</sup> Edition, New Delhi, Kontenworkx 2019;62-75.

**Sessions Chaired:**

1. NES Award Oration, 38<sup>th</sup> Annual Conference of Neuro-otology and Equilibriometric Society of India, 29<sup>th</sup>-31<sup>st</sup> March, 2019, Bengaluru.
2. Skull Base Surgery, Rajasthan Neurosciences Update, 23<sup>rd</sup>-24<sup>th</sup> March, 2019, AIIMS, Jodhpur
3. Invited Talks, Sleep Dentistry Workshop, 17<sup>th</sup>-18<sup>th</sup> November, 2018, AIIMS, Jodhpur

**Invited Lectures:**

1. Moderated panel on Cochlear Implants. 38<sup>th</sup> Annual Conference of Neuro-otology and Equilibriometric Society of India, 29<sup>th</sup>-31<sup>st</sup> March, 2019, Bengaluru.
2. Status of Otological Training in India. 2<sup>nd</sup> World Congress on Sound Hearing 2030, 20<sup>th</sup>-22<sup>nd</sup> February, 2019, Bali, Indonesia.
3. Early Intervention for Hearing Loss. WHO Workshop on Ear and Hearing Care in South East Asia Region. 3<sup>rd</sup>-5<sup>th</sup> October, 2019, Maulana Azad Medical College, New Delhi.
4. Radiology of Temporal Bones. Med-term NES Workshop, 23<sup>rd</sup>-25<sup>th</sup> November, 2018, Gwalior.
5. Vertigo in Pediatric patients. Vertigo Update Workshop, 2<sup>nd</sup>-3<sup>rd</sup> February, 2019, Fatehabad.
6. Extended Endonasal Skull Base Surgery. Annual Conference of All India Rhinology Society, 2<sup>nd</sup>-8<sup>th</sup> October, 2018, AIIMS, Bhubneswar.

**Resource Faculty:**

1. Live Surgical cum Hands-on Cadaver Dissection Workshop on Lateral Skull Base Surgery. DY Patil Medical College and Fortis Hiranandani Hospital, Navi Mumbai, 27<sup>th</sup>-29<sup>th</sup> July, 2018.

**Research Project:****❖ Ongoing:****➤ 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. Congenital Rubella Syndrome Surveillance. ICMR. Multi-centric.
2. Trend of laboratory confirmed cases of Diphtheria. AIIMS Jodhpur.
3. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – a pilot study. AIIMS Jodhpur.
4. Role of Immuno-regulatory T-cells in oral squamous cell carcinoma. AIIMS Jodhpur.
5. Audiological Profile in Dengue Fever. AIIMS, Jodhpur.
6. Beta defensin expression in malignant head and neck tumors, AIIMS, Jodhpur.
7. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale. AIIMS, Jodhpur.

**❖ Completed:****➤ As Principal Investigator**

1. Status of Otological Training in India. AIIMS, Jodhpur.

**➤ As Co-Investigator**

1. Isolation of stem cells from Olfactory mucosa - a pilot study. AIIMS Jodhpur.
2. Comprehensive analysis of MMP9, MMP13, TIMP-1 and p16 in Head and Neck Cancer. AIIMS, Jodhpur.

**Examinership:**

1. Co-Ordinator Examiner, DNB, National Board of Examinations, Part II Practical Exams at AIIMS, Jodhpur.
2. MS examiner, SMS Medical College, Jaipur
3. MBBS examiner, SN Medical College, Jodhpur
4. MS examiner, Gujarat University, Ahmedabad
5. Thesis evaluator at Gujarat University, Ahmedabad and AIIMS, New Delhi

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

1. Associate Fellow, American College of Surgeons
2. Member, Politzer Society
3. Member, American Academy of Otolaryngology and Head & Neck Surgery

4. President, Neuro-otological & Equilibriometric Society of India
5. Inducted as Member Regional Technical Advisory Group (R-TAG) for South East Asian Region (SEAR) by WHO for prevention of hearing loss.
6. Technical Committee Member on Instruments of Ear, Nose and Throat at Bureau of Indian Standards, New Delhi
7. Chief Editor, Rajasthan Journal of Otolaryngology and Head & Neck Surgery.
8. Reviewer board of International Journal of Pediatric Otorhinolaryngology
9. Editorial Board Member of Surgery – Research & Practice, a Hindawi Group Journal.

**National/ International Conferences attended:**

1. Joint Leadership Conclave 2018 Medical Innovations. AIIMS, Jodhpur and IIT, Jodhpur, 3<sup>rd</sup>-4<sup>th</sup> December, 2018, AIIMS, Jodhpur.
2. 14<sup>th</sup> Pediatric Endoscopic Surgeons of India conference (PESICON), 14<sup>th</sup>-17<sup>th</sup> February 2019, AIIMS, Jodhpur.

**Name of Faculty: Dr. Bikram Choudhury**  
**Designation: Associate Professor**

**Sessions Chaired:**

1. Ethics in Laryngology and Voice Surgery. Asia-Pacific Laryngology Summit, 21<sup>st</sup>-23<sup>rd</sup> September, 2018, Goa.

**Invited Lectures**

1. Endonasal Endoscopic Dacrocystorhinostomy. Anterior Skull Base Cadaveric Dissection Workshop, 1<sup>st</sup>-2<sup>nd</sup> December, 2018, AH(R&R), New Delhi.

**Symposium Speaker/Workshop Demonstrator**

1. Endonasal Endoscopic Dacrocystorhinostomy. Anterior Skull Base Cadaveric Dissection Workshop, AH(R&R), New Delhi

**Resource Faculty:**

1. Anterior Skull Base Cadaveric Dissection Workshop, 2019, AH(R&R), New Delhi.

**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. A Comparative study of pre & postoperative facial satisfaction and quality of life in patients undergoing Rhinoplasty using FACE-Q Appraisal Scale. AIIMS, Jodhpur

### **Scientific Awards/Patents**

1. Accepted as an MNAMS by the National Academy of Medical Sciences

### **Examinership**

1. Final MBBS, JLN Medical College, Ajmer in 2018

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

1. Member of the Laryngology and Voice Association
2. Member of Neurotological and Equilibriometric Society of India
3. Member of Indian Association of Surgeons for Sleep Apnea”

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

1. 14<sup>th</sup> Pediatric Endoscopic Surgeons of India conference (PESICON), 14<sup>th</sup>-17<sup>th</sup> February 2019, AIIMS, Jodhpur.

**Name of Faculty: Dr. Kapil Soni**  
**Designation: Assistant Professor**

### **Papers Presented:**

1. Soni K, Goyal A, Choudhury B, Kaushal D, Patro S. Prevalence and difficulties in management of Head and Neck cancers in the rural Haryana and Western Rajasthan—an Institutional study. 18<sup>th</sup> Annual meeting of the Foundation of Head & Neck oncology and International federation of Head & Neck Oncologic societies world tour, Kolkata, West Bengal 25<sup>th</sup>-28<sup>th</sup> October, 2018.

### **Sessions Chaired:**

1. Thyroplasty session, Mid Association of Otolaryngologist of India Conference (MID AOICON), 16<sup>th</sup>-18<sup>th</sup> November, 2018, Raipur, Chhattisgarh, India.
2. Rhinoplasty- how to avoid complications, 4<sup>th</sup> AIIMS Facial Plastics and Rhinoplasty Workshop, 21<sup>st</sup>-24<sup>th</sup> February, 2018, AIIMS, New Delhi.

### **Invited Lectures:**

1. Rhinoplasty – What’s New, Mid Association of Otolaryngologist of India Conference (MID AOICON), 16<sup>th</sup>-18<sup>th</sup> November, 2018, Raipur, Chhattisgarh.
2. Preoperative counseling and Post-Operative care in Rhinoplasty and Facial Plastics, 4<sup>th</sup> AIIMS Facial Plastics and Rhinoplasty Workshop, 21<sup>st</sup>-24<sup>th</sup> February, 2018, AIIMS, New Delhi.
3. Rhinoplasty- how to avoid complications, 4<sup>th</sup> AIIMS Facial Plastics and Rhinoplasty Workshop, 21<sup>st</sup>-24<sup>th</sup> February, 2018, AIIMS, New Delhi.

### **Resource Faculty:**

1. 4<sup>th</sup> AIIMS Facial Plastics and Rhinoplasty Workshop, 21<sup>st</sup>-24<sup>th</sup> February, 2018, AIIMS, New Delhi
2. Mid Association of Otolaryngologist of India Conference (MID AOICON), 16<sup>th</sup>-18<sup>th</sup> November, 2018, Raipur, Chhattisgarh

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Prevalence and difficulties in management of Head and Neck cancers in western Rajasthan- an Institutional study
2. Hearing loss in Dengue : A prospective case control study
3. 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. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study
2. Prevalence of nasal carriage of Staphylococcus aureus and their antimicrobial susceptibility profile in patients undergoing the elective surgical procedure in a tertiary care hospital
3. Evaluation of frequency of regulatory T cells in cases of oral squamous cell carcinoma
4. Beta defensin expression in malignant head and neck tumors.

❖ **Completed:**

➤ **As Principal Investigator**

1. Comprehensive analysis of role of MMP9, MMP13, TIMP1 and p16 in Head and Neck Cancer, AIIMS, Jodhpur.

➤ **As Co-Investigator**

1. Status of Otolological training in India. AIIMS, Jodhpur

**National/ International Conferences attended:**

1. 14<sup>th</sup> Pediatric Endoscopic Surgeons of India conference (PESICON), 14<sup>th</sup>-17<sup>th</sup> February 2019, AIIMS, Jodhpur.

**Name of Faculty: Dr. Darwin**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Kaushal D, Goyal A, Choudhury B, Soni K, Patro S. Consistency of Tragal pointer and Tymapanomastoid suture as surgical landmarks of facial nerve in parotid surgery: An institutional experience. EURO -SCI –CON, International conference of Otorhinolaryngology, 1-5 Dec 2018, Madrid , Spain
2. Kaushal D, Goyal A, Choudhury B, Soni K, Patro S. Landmarks for facial nerve in parotid surgery. MIDAOICON 2018, 16-18 Nov. 2018, Raipur, Chhattisgarh.

**Sessions Chaired:**

1. Thyroplasty , Mid Association of Otolaryngologist of India Conference (MID AOICON), 16-18 Nov. 2018, Raipur, Chhattisgarh, India

**Invited Lectures:**

1. Stomoplasty in Laryngectomy Patients. AIIMS, New Delhi ,March 2019.

**Resource Faculty:**

1. RHINOCON Oct 2018, AIIMS Bhubaneshwar, India
2. Mid Association of Otolaryngologist of India Conference (MID AOICON), 16-18 Nov. 2018, Raipur, India.
3. AIIMS Laryngology Update, AIIMS, March 2019 New Delhi,.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Evaluation of frequency of regulatory T cells in cases of oral squamous cell carcinoma

➤ **As Co-Investigator.**

1. Detection of 22q11.2DS in neonates suspected to have hearing loss detected during neonatal hearing screening – A Pilot Study
2. Beta defensin expression in malignant head and neck tumors.

❖ **Completed:**

➤ **As Co-Investigator**

1. Comprehensive analysis of role of MMP9, MMP13, TIMP1 and p16 in Head and Neck Cancer, AIIMS, Jodhpur.
2. Status of Otolological training in India. AIIMS, Jodhpur

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

1. Executive body Member of Neuro-Otological & Equilibriometric Society of India.

**Name of Faculty: Dr. Sourabha Kumar Patro**

**Designation: Assistant Professor**

**Papers Presented:**

1. Patro S, Kaushal D, Goyal A, Choudhury B, Soni K. Radiotherapy in T2 & T3 Ca Larynx: Impacts on quality of Life. 18<sup>th</sup> Annual meeting of the Foundation of Head & Neck oncology and International federation of Head & Neck Oncologic societies world tour, Kolkata, West Bengal 25<sup>th</sup>-28<sup>th</sup> October 2018.

**Sessions Chaired:**

1. Recent advances in obstructive sleep apnea, International Congress of ORL-HNS 2018 (ICORL 2018) in conjunction with 92nd Annual Congress of Korean Society of Otorhinolaryngology-Head & Neck Surgery, Seoul, South Korea, 27<sup>th</sup>-29<sup>th</sup> April, 2018.
2. Sleep Related Breathing Disorders, International Congress of ORL-HNS 2018 (ICORL 2018) in conjunction with 92nd Annual Congress of Korean Society of Otorhinolaryngology-Head & Neck Surgery, Seoul, South Korea, 27<sup>th</sup>-29<sup>th</sup> April 2018.

3. Papillary carcinoma thyroid in children, CME and Update on current trends in papillary carcinoma thyroid”, AIIMS, Rishikesh, 10<sup>th</sup>-11<sup>th</sup> February, 2019.

**Invited Lectures:**

1. Stomoplasty in Laryngectomy Patients. AIIMS ,New Delhi, March 2019.
2. Antibiotic stewardship practices in ENT and Head and Neck Surgery. National conference cum workshop on Antimicrobial Stewardship practices in India, AIIMS, Rishikesh 3<sup>rd</sup>-4<sup>th</sup> December.
3. Epidemiology of papillary carcinoma thyroid: Indian scenario, CME and Update on current trends in papillary carcinoma thyroid”, AIIMS, Rishikesh, 10<sup>th</sup>-11<sup>th</sup> February 2019.

**Symposium Speaker:**

1. Office based therapy in OSAS: Impact on quality of life, disease progression and health care costs, International Congress of ORL-HNS 2018 (ICORL 2018) in conjunction with 92nd Annual Congress of Korean Society of Otorhinolaryngology-Head & Neck Surgery, Seoul, South Korea, 27<sup>th</sup>-29<sup>th</sup> April, 2018

**Resource Faculty:**

1. CME and Update on current trends in papillary carcinoma thyroid, AIIMS, Rishikesh, 10<sup>th</sup>-11<sup>th</sup> February, 2019,
2. National conference cum workshop on Antimicrobial Stewardship practices in India, AIIMS, Rishikesh, 3<sup>rd</sup>-4<sup>th</sup> December, 2019

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Beta defensin expression in malignant head and neck tumors. AIIMS, Jodhpur.

➤ **As Co-Investigator.**

1. Study of bacterial and fungal infections in patients with chronic suppurative otitis media in tertiary care hospital, Western Rajasthan

**Scientific Awards/Patents**

1. Completed and awarded IFNOS fellowship in Head and Neck oncology under the aegis of International programs, MSKCC, USA.

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

1. Membership of Politzer society
2. Membership of Korean society of otolaryngology and head & neck surgery.
3. Membership of American Academy of otolaryngology and head & neck surgery.
4. Associate fellow status in American college of surgeons.

**National/ International Conferences attended:**

1. ICMR biomedical research methodology workshop, August 2018, New Delhi.

## Department of Pathology and Laboratory Medicine

S. No.	Name	Designation
1	Dr. Poonam Elhence	Professor & Head
2	Dr. Jyotsna Naresh Bharti	Associate Professor
3	Dr. Abhishek Purohit	Assistant Professor
4	Dr. Aasma Nalwa	Assistant Professor
5	Dr. Meenakshi Rao	Assistant Professor
6	Dr. Sudeep Khera	Assistant Professor

### About the Department:

The Department of Pathology and Lab Medicine offers both Undergraduate and Postgraduate training and full-fledged Diagnostic Services. All the required facilities for Undergraduate and Postgraduate training and Diagnostics are available.

A fully functional Modular Practical Laboratory for teaching students with image capture and display facility to teach real time histopathology from glass slides is available.

The Department is actively involved in training of MD Pathology Academic residents, MCh and DM Academic Senior Residents, in collaboration with Superspecialty Departments like Surgical Gastroenterology, Urology, Neurosurgery, Neurology etc.

A trinocular Microscope with attached Television and ceiling mounted projector is available for Postgraduate training, slide sessions and various slide tests conducted regularly by the Department.

A large number of new specimens have been added to the Pathology Museum in the college from surgical pathology specimens received at the IPD Lab. All specimens required for teaching MBBS students are available in the museum. A vast repository of varied and interesting surgical pathology specimens has been created for postgraduate training and teaching.

The Department has a strength of six faculty members, eight senior Residents and seven Academic Junior residents (post graduate MD programme). A post Doctoral Fellowship (PDF) program was started in Cytopathology in 2018. Annual intake of one PDF candidate was proposed and approved. The staff in college and hospital comprises of two LDC, one Lab supervisor, trained technical staff and office attendants.

Excellent state-of-the-art frozen section and intraoperative squash smear reporting is done routinely. Coagulation services with detailed work-up is carried out regularly. Equipment for serum protein electrophoresis has been procured and validated. Liquid based Cytology, initially used for only Gynecologic Cytology is also being used for Non-gynecologic fluid Cytology. The Faculty members regularly participate in the Institute CPCs and CGRs.

We have grown immensely with respect to the numbers, diversity and range of specimens being received in Cytopathology, General Pathology and Specialized systemic pathology, Hematopathology, Coagulation services and Clinical Pathology. More than 200% increase was witnessed in several sections compared to the previous year.



The following tests were carried out by the Department of Pathology from 01<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019: 96054 CBC, 17178 ESR, 4758 PBF, 25706, Urine Microscopy, 17000 Prothrombin Time, 3704 Activated Partial Thromboplastin time, 158 Frozen Sections, 556 Review Cases, 38718 Histopathology, 1571 Cell Blocks, 6358 Immunohistochemistry, 7542 special stains, 08 Medicolegal autopsies, 20 fetal autopsies, 181 Immunofluorescence, 1803 Cervical Pap/LBC Smears, 2779 Fine Needle Aspiration Cytology, 2050 Fluid Cytology, 17 Smears for Malarial Parasites, 154 Bone Marrow examinations and 2204 Reticulocyte counts. 1214 Specialized coagulation work-up (APC, APS, APCR, Antithrombin III, Fibrinogen, LA1, LA) and 907 HPLC were carried out.

### Compiled list of Publications of the Department:

#### Papers:

#### Pubmed Indexed:

1. Bohra GK, Meena DS, Bajpai N, Purohit A. Focal segmental glomerulosclerosis in a patient with pre-fibrotic primary myelofibrosis. *BMJ Case Reports* 2018; doi:10.1136/bcr-2017-223803.
2. Varshney V, Bharti JN, Sureka B, Soni SC. Gall bladder carcinosarcoma with Mirizzi syndrome: A rare presentation. *Journal of gastrointestinal cancer* 2018 [ahead of print].
3. Sureka B, V Varshney V, Elhence P, Bharti JN, Yadav T, Garg PK, Khera PS. Unusual Case of a Pancreatic Neuroendocrine Tumor Containing a Central Scar. *ACG Case Reports Journal* 2019 Mar 6 (3), 1-5.
4. 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; 8:1500-3.
5. Rao M, Choudhary GR, Malik A. Giant Cell Tumor of the Urethra: Report of an unusual Case. *Ind J Urol.* 2019;35:164-67.
6. Gautam P, Rao M, Gothwal M, Garg PK, Bhattacharya S. Sertoli-leydig cell tumor of ovary: A rare case report with heterologous elements and focal marked anaplasia. *Int J App Basic Med Res.* 2019;9 (62-64).
7. Elhence PA, Rao M, Vishnoi JR, Meena V. Jejunal leiomyosarcoma: Report of a rare case diagnosed on cytology. *Diagn Cytopathol.* 2018;47:498-502.
8. Varshney VK, Rao M, Soni SC, Surekha B. Synchronous Adeno-squamous Carcinoma of Gallbladder and Adenocarcinoma of Common Bile Duct: Twin Trouble. *J Gastrointest Cancer.* 2018 Nov 6
9. Bains A, Singh S, Dubey A, Rao M. Genitocrural Plane-Topped Papules in a Young Female. *Indian J Dermatol.* 2018 Nov-Dec;63(6):527-529.
10. Yadav G, Rao M, Gothwal M, Singh P. Adenoma Malignum Diagnosed Postoperatively in a Case of Fibroid Uterus: Case Report with Review of Literature. *J Midlife Health.* 2018 Oct-Dec; 9(4):219-221.
11. Gothwal M, Yadav G, Rao M, Singh P, Nalwa A. Low grade endometrial stromal sarcoma in a post-menopausal woman with third-degree uterovaginal prolapse: A rare case with review of the literature. *J midlife Health* 2018;9:165-167.
12. Mushtaq S, Singh S, Khera S, Bardia A. Pigmented nipple-like nodule on the neck. *Indian J Dermatol Venereol Leprol* 2019;85:235.
13. Bagga N, Khera S, Choudhary GR. Urothelial Carcinoma of the Renal Pelvis with Synchronous Ipsilateral Papillary Renal Cell Carcinoma. *IJPM [Ahead of print].*

14. Bajpayee, A., Charan, J., Pareek, P., Elhence, P., Kirubakaran, R. and Bajpai, N.K., 2018. Interventions for treating antibody-mediated acute rejection in kidney transplant recipients. The Cochrane database of systematic reviews, 2018(5).
15. Chaudhry K, Khatana S, Dutt N, Mittal Y, Chambial S, Elhence P. Systematic Review of Lesser Known Parasitoses: Maxillofacial Dirofilariasis. Journal of Maxillofacial and Oral Surgery, 18(2):180-189.
16. Varshney VK, Soni SC, Yadav T, Puranik A, Elhence P. Amebic colonic stricture: An unusual presentation. Trop Parasitol 2018; 8:98-100.
17. Kaushal D, Soni K, Shakrawal N, Sharma V, Elhence P. Nasal schwannoma causing cosmetic deformity: easy to misdiagnose and an easy-to-miss diagnosis? Int J Sci Res. 132(2):334-5.
18. Bains A, Vedant D, Bhardwaj A, Elhence P. Blistering and Mottled Pigmentation in a Young Male. Indian Dermatol Online J. 2018; 9(6):467-468.
19. Elhence P, Chaudhary R. Gargantuan primary scrotal calcinosis – Surgical, cosmetic, and sociopsychiatric concern. Urol Ann 2019, 11(1): 91-92.

### Workshops/ Conferences Organized:

1. Second Haematology Update (Theme: Basics and beyond) at All India Institute of Medical Sciences, Jodhpur, July 28<sup>th</sup>-29<sup>th</sup>, 2018.
2. Workshop on bone marrow morphology at All India Institute of Medical Sciences, Jodhpur, July 27<sup>th</sup>, 2018.
3. Slide workshop cum CME in Neuropathology at All India Institute of Medical Sciences, Jodhpur, March 9<sup>th</sup>, 2019.

### Eminent Visitors (Alphabetically):

1. Professor AK Saraya
2. Professor Arvind Rajwansi, Chairperson, Pathology, PGIMER, Chandigarh.
3. Professor BD Radotra, HOD, Histopathology, PGIMER, Chandigarh.
4. Professor Geeta Chacko, HOD, General Pathology, CMC, Vellore.
5. Professor Gayathri N, Neuropathology, NIMHANS, Bengaluru.
6. Professor HP Pati, Haematopathology, AIIMS, New Delhi.
7. Professor M Mahapatra, Clinical Haematology, AIIMS, New Delhi.
8. Professor MB Agarwal, Bombay Hospital IMS, Mumbai.
9. Professor Sumeet Gujral, Department of Pathology, TMH, Mumbai
10. Professor Tejinder Singh, Ex-Professor and Director, Pathology, MAMC, New Delhi.



Various eminent speakers during their Pathology workshop sessions



Dignitaries on the dias releasing the conference souvenir

**Name of Faculty: Dr. Poonam Elhence**  
**Designation: Professor and Head**

**Papers Presented:**

1. Elhence P. Spectrum of bony tumours of the cranium- A case series. NPSICON, 15<sup>th</sup> – 17<sup>th</sup> February 2019, PGIMER, Chandigarh.
2. Elhence P. Inguino-scrotal neurofibroma with extensive pseudo-Meissnerian differentiation in a newborn with giant congenital melanocytic nevus, NPSICON, 15<sup>th</sup>-17<sup>th</sup> February, 2019, PGIMER, Chandigarh.
3. Co-Author: Cerebral Hematoma from an Arteriovenous Malformation in a young male. NPSICON, 15<sup>th</sup>–17<sup>th</sup> February 2019, PGIMER, Chandigarh.
4. Co-Author: Metastatic serous ovarian carcinoma to breast: An unusual presentation, Recent advances in gynecological malignancies, 15<sup>th</sup> April, 2018, AIIMS, Jodhpur.
5. Co-Author: UAA CONGRESS, Urological Association of Asia, Kyoto, Japan, 17<sup>th</sup> -21<sup>st</sup> April, 2018.
6. Co-Author: BAG-3 in Endometrial Carcinomas, CME on Recent Updates in Gynecologic pathology, 15<sup>th</sup> April, 2018, AIIMS, Jodhpur.
7. Co-Author: Giant congenital melanocytic nevus with scrotal mass: Diagnostic dilemma, 25<sup>th</sup> Congress of Asian Association of Pediatric Surgeons, 1<sup>st</sup>-3<sup>rd</sup> Dec 2018, Dubai UAE.
8. Co-Author: Functional Sensitivity Verification of Hemoglobin Measurements by 'HemoCue® Plasma/Low Hb' in Comparison with 'HemoCue Hb201+', and two Automated Hematology Analysers 'Sysmex XP100' (3-Part analyser) & 'Sysmex XN1000' (5-part analyser)." PGI-ISBT International symposium on blood safety, 29-30<sup>th</sup> Nov. 2018.

9. Co-Author: Pancreatic Incidentalomas: Are they being reported appropriately? Importance of imaging interpretation and communication, June 12<sup>th</sup> -15<sup>th</sup>, ESGAR, Dublin, Ireland, 2018.
10. Co-Author: Invasive breast carcinoma masquerading as benign lesion on FNA, Breast Cancer Congress, 5<sup>th</sup>-6<sup>th</sup> October, 2018, Jaipur.
11. Co-Author: Assessing tumour response in primary invasive breast carcinoma: Impact of stromal tumour infiltrating lymphocytes and immune-histochemical markers, Breast Cancer Congress, 5<sup>th</sup>-6<sup>th</sup> October, 2018, Jaipur.
12. Co-Author: Experience of Head-Neck Tuberculosis: An Institutional experience, FHNO, 26<sup>th</sup> – 28<sup>th</sup> October 2018, Kolkata.
13. Co-Author: Breast cancer associated with atypical presentation of adult granulosa cell tumour of ovary: A rare presentation, November 2018, New Delhi.
14. Co-Author: Sialolipoma of parotid gland: A lesser known entity, International CME in Pathology, Histopathology and Cytopathology, 1<sup>st</sup> -3<sup>rd</sup> February 2019, Goa.

#### **Sessions Chaired:**

1. Oral paper presentation, UP Chapter of CYTOCON, 22<sup>nd</sup>-23<sup>rd</sup> September 2018, SMC, Meerut.

#### **Invited Lectures:**

1. Potpourri of interesting cases: Cyto-histological correlation of head and Neck Cases, CYTOCON, UP Chapter, 22<sup>nd</sup> -23<sup>rd</sup> September 2018, SMC, Meerut.
2. Intraoperative Squash Cytology, Jodhpur Neurosciences Meet, 20<sup>th</sup> October 2018, AIIMS, Jodhpur.
3. Quiz Master, Slide Workshop cum CME in Neuropathology, 9<sup>th</sup> March 2019, AIIMS, Jodhpur

#### **Resource Faculty:**

1. Physiology Education Workshop 2018: IUPS Initiative, Under the aegis of International Union of Physiological Sciences, 3<sup>rd</sup> to 5<sup>th</sup> November, 2018.
2. Slide Workshop cum CME in Neuropathology, 9<sup>th</sup> March, 2019, AIIMS, Jodhpur.

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Immuno-histochemical 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.

##### **➤ 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), AIIMS, Jodhpur.
2. Expression of Nestin and CD 146 in Breast Carcinoma and its correlation with clinic-pathological factors and immune-histochemical markers (Intramural), AIIMS Jodhpur.

3. Diagnostic utility of various Immunohistochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma (Intramural), AIIMS, Jodhpur.
4. 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.
5. 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.
6. 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.
7. Comprehensive analysis of role of MMP9, MMP13, TIMP1 and p16 in Head and Neck Cancer (Intramural), AIIMS, Jodhpur.

**Examinership:**

1. MBBS, SNMC, Jodhpur, July 2018.
2. Vyas Dental College, Jodhpur, April 2018.
3. MBBS, JIPMER, Puducherry, June 2018.

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

1. Life Member, Molecular Pathology Association of India.
2. Life Member, Neuro Pathology Society of India.
3. Member, International Society of Biological and Environmental Repositories.

**National Conferences attended:**

1. Second Haematology Update (Theme: Basics and beyond) at All India Institute of Medical Sciences, Jodhpur, July 28<sup>th</sup>-29<sup>th</sup>, 2018.
2. 4<sup>th</sup> Annual Conference, NPSICON, 15<sup>th</sup>–17<sup>th</sup> February 2019, PGIMER, Chandigarh.
3. Slide workshop cum CME in Neuropathology at All India Institute of Medical Sciences, Jodhpur, March 9<sup>th</sup>, 2019.

**Name of Faculty: Dr. Jyotsna Naresh Bharti**

**Designation: Associate Professor**

**Papers Presented:**

1. Bharti JN. Cerebral Hematoma from an Arteriovenous Malformation in a young male. NPSICON, 15<sup>th</sup> – 17<sup>th</sup> February 2019, PGIMER, Chandigarh.
2. Spectrum of bony tumour of the cranium- A case series. NPSICON, 15<sup>th</sup> – 17<sup>th</sup> February 2019, PGIMER, Chandigarh. (Co-author)

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Expression of Nestin and CD 146 in Breast Carcinoma and its correlation with clinicopathological factors and immunohistochemical markers. [AIIMS Jodhpur]

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

1. Life Member, Neuro Pathology Society of India.

**National/ International Conferences attended**

1. 4th Annual conference of Neuropathology society of India (NPSICON-2019) PGIMER, Chandigarh, February 2019.

**Name of Faculty: Dr. Abhishek Purohit**  
**Designation: Assistant Professor**

**Publications:**

**Pubmed:**

1. Bohra GK, Meena DS, Bajpai N, Purohit A. Focal segmental glomerulosclerosis in a patient with pre-fibrotic primary myelofibrosis. BMJ Case Reports 2018.

**Papers Presented:**

1. Multiple Myeloma Presenting As Bleeding Diathesis – An Atypical Presentation. 59<sup>th</sup> Annual Conference of the Indian Society of the Haematology & Blood Transfusion (ISHBT) – Haematocon 2018 at Kochi, Kerala, India, October 26<sup>th</sup>-28<sup>th</sup> 2018
2. Exploring the  $\beta$ -Thalassaemia mutations in Western Rajasthan with clinical expression. International conference of Korean society of Haematology and 60<sup>th</sup> annual meeting at Seoul, Korea, March 14<sup>th</sup>-16<sup>th</sup>, 2019.

**Sessions Chaired:**

1. Thrombosis & hemostasis. 59<sup>th</sup> Annual conference of the Indian Society of Haematology and Blood Transfusion (ISHBT) Kochi, Kerala on October 27<sup>th</sup> 2018.

**Invited Lectures**

1. Thrombophilia work up is necessary in all unprovoked DVT patients. 3<sup>rd</sup> Hematology Alumni Scientific Meeting (Part of National Hematology Update: XI) at All India Institute of Medical Sciences, New Delhi on April 13<sup>th</sup>, 2018.
2. Normal Haemostasis. Pre-Conference CME Bleeding disorders, 39<sup>th</sup> Annual Conference of Maharashtra Chapter of Indian Association Of Pathologist and Microbiologists- MAPCON 2018 at Armed Forces Medical College, Pune on September 7<sup>th</sup>, 2018.

3. Bone Marrow Examination- Basics and Cases. 11<sup>th</sup> annual conference of association of practicing pathologists of Haryana at Maharaja Agrasen Medical College, Agroha on February 3<sup>rd</sup>, 2019.
4. Debate: Is thrombophilia workup necessary in all cases of unprovoked DVT? CME and workshop on ABCD of coagulation: Approach to bleeding and clotting disorders at Sanjay Gandhi Institute, Lucknow on February 16<sup>th</sup>, 2019.

### **Symposium Speaker**

1. Moderator of panel discussion on sickle cell anaemia: clinical symptoms, diagnosis and treatment. Rajasthan conclave-6, Desert Medicine Research Centre, Jodhpur on October 21<sup>st</sup>, 2018.

### **Research Projects:**

#### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Evaluation for paroxysmal nocturnal haemoglobinuria by Flowcytometry in clinically suspected cases in Western Rajasthan.
2. A study of newer erythrocyte parameters in patients of iron deficiency anaemia and anaemia of chronic disease

##### **➤ As Co-Investigator**

1. Evaluation of frequency of regulatory T-cells in cases of oral squamous cell carcinoma
2. Diagnostic efficacy of digital hemoglobinometer (TrueHb), HemoCue and non-invasive devices for screening patients for anemia in the field settings (Multicentric study).

#### **❖ Completed:**

##### **➤ As Principal Investigator**

1. Exploring beta-thalassaemia mutation in Western Rajasthan with clinical expression, AIIMS-Jodhpur, Dr. S N Medical College, Jodhpur.
2. Evaluation of Factors Affecting Awareness about Beta-Thalassemia in Western Rajasthan

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

1. British society of Haematology
2. International Society of thrombosis and haemostasis
3. Editor, Haematology Pearls 2018.

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

1. 59<sup>th</sup> Annual Conference of the Indian Society of the Haematology & Blood Transfusion (ISHBT) – Haematocon 2018 at Kochi, Kerala, India.
2. 2019 Highlights of AS (American society of haematology) in Asia-Pacific at Bangkok, Thailand, February 23<sup>th</sup>-24<sup>th</sup>, 2019.

3. ICKSH2019, International conference of Korean Society of Haematology and 60<sup>th</sup> annual meeting at Seoul, Korea, March 14<sup>th</sup>-16<sup>th</sup>, 2019

**Workshops/ Conferences Organized:**

1. Organizing Secretary, Second Haematology Update (Theme: Basics and beyond) at All India Institute of Medical Sciences, Jodhpur, July 28<sup>th</sup>-29<sup>th</sup>, 2018.
2. Workshop on bone marrow morphology at All India Institute of Medical Sciences, Jodhpur, July 27<sup>th</sup>, 2018.
3. Joint organizing secretary, HIV symposium at All India Institute of Medical Sciences, Jodhpur, September 30<sup>th</sup>, 2018.
4. Part of organizing committee, slide workshop cum CME in neuropathology at All India Institute of Medical Sciences, Jodhpur, March 9<sup>th</sup>, 2019.

**Any other information:**

1. Coordinator, State round of National ISHBT Haematology Quiz for postgraduates, 2018.

**Name of Faculty: Dr. Aasma Nalwa**

**Designation: Assistant Professor**

**Papers Presented**

1. Nalwa A, Bardia A, Singh P, Elhence P. BAG-3 in Endometrial Carcinomas, CME on Recent Updates in Gynecologic pathology 2018, AIIMS, Jodhpur

**Sessions Chaired**

1. Recent Advances in Gynecological Malignancies 2018, AIIMS Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. The dynamics of Breast cancer stem cells and miR221-3p, miR133a-3p, and miR 9-5p 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



**National/ International Conferences attended**

1. 13<sup>th</sup> Annual Conference of Indian Society of Renal Transplantation & Pathology 2018
2. SGPGI- NIH courses on workshop on Basic Biostatistics 2018, Lucknow
3. CME on Recent Updates in Gynecologic Malignancies 2018, AIIMS Jodhpur

**Name of Faculty: Dr. Meenakshi Rao**

**Designation: Assistant Professor**

**Papers Presented:**

1. Varshney VK, Rao M, Soni SC, Surekha B. Synchronous Adeno-squamous carcinoma of Gall bladder and Adenocarcinoma of Common bile duct : Is Hepato-Pancreatico-duodenectomy worth it?, IASG, 2018 (Co-author)
2. Bohra HK, Rao M, Elhence P, Vedant D. Metastatic serous ovarian carcinoma to breast: An unusual presentation, CME on updates in gynaecological malignancies, April 2018 AIIMS, Jodhpur (Co-author)
3. Bardia A, Rashim S, Elhence P, Rao M. Role of stromal tumor infiltrating lymphocytes in breast cancer. 2<sup>nd</sup> Indian breast cancer conference, October, Jaipur, 2018 (Co-author)

**Sessions Chaired:**

1. Updates on endometrial carcinomas, CME on updates in gynaecological malignancies, April 2018, AIIMS, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **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. Immunohistochemical and histological characterization of mast cells in deaths associated with fatal asphyxia.
3. Histological & immunohistochemical changes in buccal mucosal graft in case of hypospadias
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. AIIMS Jodhpur

➤ **As co-investigator:**

1. Detection of nerve fibres in the eutopic endometrium in women with endometriosis, adenomyosis and uterine fibroids. AIIMS Jodhpur

**National/ International Conferences attended:**

1. CME on updates in gynaecological malignancies, April 2018, AIIMS, Jodhpur

**Name of Faculty: Dr. Sudeep Khara**

**Designation: Assistant Professor**

**Papers Presented:**

1. Khara S, Elhence P, Bagga N, Choudhary R. Sialolipoma of parotid gland: A lesser known entity, International CME in Pathology, Histopathology and Cytopathology, 1st-3rd Feb. 2019, Goa, India

**Research Project:**

❖ **Ongoing:**

➤ **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

❖ **Completed:**

➤ **As Co-Investigator**

1. Histopathology of ligature mark in hanging, Non funded Intramural project, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. International CME in Pathology, Histopathology and Cytopathology, 1st-3rd Feb. 2019, Goa, India

## Department of Pediatric Surgery

S.No.	Name	Designation
1	Dr. Arvind Sinha	Professor and Head
2	Dr. Manish Pathak	Associate Professor
3	Dr. Kirti Kumar Rathod	Associate Professor
4	Dr. Avinash S Jadhav	Associate Professor
5	Dr. Rahul Saxena	Assistant 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 7607 patients and operated around 1000 patients in 2018-19. The department has started state of art Urodynamic lab with facility of Video urodynamics, which is helping a large subset of pediatric surgery patients. After procurement of infant and pediatric nephroscopes, the department is also providing facility of minimal invasive management of renal calculi and now we are equipped with neuro-endoscopes, which were procured in this FY 2018-19. Department has also started 24 bedded dedicated pediatric surgery ward with 4 bedded Nursery which is equipped with open care warmer systems and multipara monitors. The department has also installed ABG machine in this year, which is helpful in managing sick children. We have also received our first rectoscope and sigmoidoscope, which are expected to help lot of new patients with anorectal problems. The department is established as a renowned minimal invasive centre for Paediatric surgery patients. Prof. Arvind Sinha was trained and started Robotic Surgeries in pediatric population, which is again a benchmark in patient care.

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 department.

Four 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.

The faculty of department is also actively involved in academic activities. This year department has published 11 research articles 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 got copyright for preparing Standard Treatment Workflows by MOHFW. Dr. Rahul Saxena conferred FMAS- Fellowship in Minimal Access Surgery. Dr Kirtikumar J Rathod was elected as executive committee member of Society Pediatric Urology- IAPS (SPU-IAPS) and Pediatric Endoscopic society of India (PESI). He also become the member of international Global Initiative for Children's Surgery which is organization focusing on surgical issues in children in under developed countries.

Prof. Arvind Sinha was invited speaker in four conferences and was appointed as external expert for faculty recruitment at AIIMS, Rishikesh.

The department has conducted one national conference PESICON 2019 successfully which was also appraised by all in the field of Pediatric surgery. The thoracoscopic wet lab and hands on workshop was conducted benefitting many young surgeons and interns.

This year we have started six new research projects in different arena and 6 new M.Ch dissertations are progressing successfully.

### **Compiled list of Publications of the department:**

#### **Papers**

##### **Pubmed Indexed**

1. Saxena R, Pathak M, Sinha A. Hypospadias Urethral Duplication – A rare Variant and novel use of Snodgas Urethroplasty. J Ind Assoc Pediatr Surg 2019; 24:138-40
2. Sinha, A. & Pathak, M. Editorial: 14<sup>th</sup> Pediatric Endoscopic Surgeons of India Conference 2019 J Ped Endosc Surg 2019;1:1-2
3. Jayakumar TK, Saxena R, Pathak M. Wristband circumferential ulcer – ignored elastic beneath holy thread. APSP J Case Rep. 2018; 9:30.
4. Pathak M, Saxena R, Jayakumar TK, Sinha A, Yadav T. An unusual case of choledochal cyst. European J Pediatr Surg Rep. 2018 Jan;6(1):e83-e86. doi: 10.1055/s-0038-1673379. Epub 2018 Oct 18.
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 Min Access Surg 2019;1:4 (epub ahead of print)
6. Pathak M, Saxena R, Sinha A. Chylothorax mimicking as anastomotic leak in a case of esophageal atresia. J Clin Neonatol 2018; 7:279-81
7. Pathak M, Saxena, Sinha A. Malignant yolk sac tumor in neonate : a management dilemma. J Neonatal Surg 2018; 7:10
8. Pathak M, Saxena R, Sinha A, Singh V Hirschsprung's disease and neonatal intestinal obstruction: Where does it lie in the spectrum? J. Clin Neonatol.2018;7:231-6
9. Vig, A., Rathod, K.J., Jadhav, A, Manoj Kamal, Taruna Yadav, Arvind Sinha. Review of Laparoscopic Ligation of Median Sacral Artery in Sacrococcygeal teratoma. Journal of Pediatric Endoscopic Surgery J Ped Endosc Surg; 2019; 7 (epub ahead of print).
10. Paliwal B, Bhatia M, Rathod KJ. Ultrasound Neuraxial Block: A Simple Answer to Rare Situation. Pediatric Anesthesia. Accepted for publication.

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

1. Saxena R, Sinha A, Pathak M, Bansal A, Jadhav A. Role of Uroflowmetry in Children with Anorectal Malformation" Annals of NAMS 2018;53:90-96

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

1. 14<sup>th</sup> Pediatric Endoscopic Surgeons of India Conference 2019 organized by Department of Pediatric Surgery, All India Institute of Medical Sciences, Jodhpur, 14<sup>th</sup>-17<sup>th</sup> February 2019

**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 Paediatric Surgery, All India Institute of Medical Sciences, Patna

**Name of Faculty: Dr. Arvind Sinha**

**Designation: Professor and Head**

**Papers Presented:**

1. Sinha A, Rodha MS, Bhatia PK, Gupta N. Thoracopagus Conjoined Twin : Our Experience presented in EUPSA (European Union Pediatric Surgery Association) 2018 at Paris, France from 20th June to 24th June 2018.
2. Sinha A, Saxena R, Pathak M. Laparoscopic Assisted Anorectal Pull through for Ano-rectal malformations in children: Our initial experience. IAGES conference, Kochi, 12<sup>th</sup> – 15<sup>th</sup> December 2018.
3. Sinha A. Laparoscopic Inguinal Hernia Repair in Children: To cut or not to cut that is the question? IAGES conference, Kochi, 12<sup>th</sup> – 15<sup>th</sup> Dec. 2018.
4. Sinha A. Robotic Surgical Program at AIIMS Jodhpur presented at 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
5. Vig A, Saxena R, Pathak M, Sinha A. Removal of duodenal foreign body (rusted key) by laparoscopic Gastrotomy. Video Presentation 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019
6. Shreyas K, Saxena R, Pathak M, Sinha A. Laparoscopic Assisted Pull through for Hirschsprung Disease in Children. Oral Presentation. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
7. Sikchi R, Pathak M, Saxena R, Sinha A. The successful use of endoscopy and fluoroscopy in the management of acquired rectourethral fistula. E-Poster, 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
8. Vig A, Sinha A, Pathak M, Saxena R. Initial experience with Pediatric Robot assisted Urological Procedures. E-Poster 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
9. Sikchi R, Rathod K, Pathak M, Saxena R, Jadhav A, Sinha A Thoracoscopic decortication in pediatric empyema. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
10. Saxena R, Pathak M, Sinha A, Motiwala T, Jayakumar TK Cecal duplication cyst- A rare disease with variable presentation and its management in era of laparoscopy IAPSCON 2018, PGIMER Chandigarh
11. Saxena R, Pathak M, Sinha A. Laparoscopic assisted transanal pull through for redo rectal atresia. Indo- Maldives Silver Jubilee Cruise Conference, IAGES, Kochi 12th-15th Dec 2018.
12. Pathak M, Rahul S, Sinha A, Motiwala T. Laparoscopic pyloromyotomy: A new gold standard. EAPS 2018, Paris, France, 30<sup>th</sup> Oct- 3<sup>rd</sup> Nov 2018.

13. Saxena R, Pathak M, Sinha A, Jayakumar TK. Paediatric Cushing's syndrome due to Ectopic ACTH syndrome- a diagnostic riddle to solve. Poster presentation in SOSCON 2018, Goa, 21<sup>st</sup>-23<sup>rd</sup> September 2018.
14. Jayakumar TK, Pathak M, Saxena R, Sinha A. Malignant osteogenic sarcoma of coccyx: An hitherto unknown entity. SOSCON 2018, Goa, 21<sup>st</sup>-23<sup>rd</sup> September 2018.
15. Saxena R, Pathak M, Sinha A. Laparoscopic assisted anorectoplasty. 18th Pediatric Endoscopic Surgeons of India Annual nation Conference (PESICON), Apollo Hospital, New Delhi, 23rd-25th February 2018.
16. Pathak M, Saxena Rahul, Sinha A, Motiwala T. Laparoscopic pyloromyotomy: A new gold standard. 13th Pediatric Endoscopic Surgeons of India Annual nation Conference (PESICON), Apollo Hospital, New Delhi, 23rd-25th February 2018.
17. Jadhav AS, Rathod KJN, Sinha A. Laparoscopic Vascular hitch for crossing lower pole vessels in Pelviureteric Junction Obstruction. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
18. Biangchwadaka Suchiang, Rathod KJ, Jadhav A, Sinha A. Our institutional experience with Laparoscopic Heller's Cardiomyotomy in Pediatric achalasia cardia. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
19. Jayakumar TK, Rathod KJ, Jadhav A, Sinha a. Initial Management of Cloacal exstrophy with omphalocele: A case report. IAPSCON 2018, PGIMER Chandigarh, 25<sup>th</sup>-28<sup>th</sup> October 2018.
20. Jayakumar TK Jadhav A, Rathod KJ, Sinha A. Laparoscopic removal of Testicular Remnant in impalpable undescended Testis: How we do it. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
21. Shreyas K, Rathod KJ, Jadhav A, Sinha A. Laparoscopic nephrectomy for Wilms' tumor. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
22. Motiwala T, Rathod KJ, Jadhav A, Minhaj Sheikh, Yadav T, Elhence P, Sinha A. Giant melanocytic nevus with scrotal mass. Asian Association of Pediatric Surgeon Conference at Dubai, November 2018.
23. Sikchi R, Rathod KJ, Jadhav A, Sinha A. What to do when you do not find appendix while doing laparoscopic appendectomy. IAPSCON 2018, PGIMER Chandigarh, 25<sup>th</sup>-28<sup>th</sup> Oct 2018
24. Sikchi R, Rathod KJ, Jadhav A, Sinha A. Delayed presentation of inadequately operative vestibular fistula: Rectoplasty and Redo PSARP : A Success story. IAPSCON 2018, PGIMER Chandigarh, 25<sup>th</sup>-28<sup>th</sup> October 2018.

### Invited Lectures

1. Sinha A. Radiology for Surgeons presented in Regional Refresher Course - ASI as faculty, Himalayan Institute of Medical Sciences, Jollygrant, Dehradun, Uttarakhand on 21st-23<sup>rd</sup> September 2018.
2. Sinha A. Soft Tissue Sarcoma in Children. ASICON 2018 organised by Association of surgeons of India, Chennai Trade centre, Chennai, 26<sup>th</sup> to 31st December 2018
3. Bladder Augmentation at 12<sup>th</sup> Pediatric Surgery Update 2019 organized in Ahilya Bai College of Nursing Auditorium, Maulana Azad Medical College at New Delhi from 7<sup>th</sup>-10<sup>th</sup> March 2019.
4. Faculty for Regional Refresher Course – ASI, All India Institute of Medical Sciences, Patna, 6<sup>th</sup>-8<sup>th</sup> July 2018.

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

1. Comparison of outcome in Pediatric stented hypospadias repair with CAP versus no post-operative Prophylaxis
2. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias
3. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias
4. To assess the acceptance and efficacy of single staged vs two staged urethroplasty for proximal hypospadias repair
5. Retrospective analysis of outcome of stoma closure in children without mechanical bowel preparation

**National/ International Conferences attended:**

1. EUPSA (European Union Pediatric Surgery Association) 2018 at Paris, France from 20th-24th June 2018.
2. Swachhta Action Plan at New Delhi from 10th July to 13th July 2018.
3. Regional Refresher Course - ASI as faculty, Himalayan Institute of Medical Sciences, Jollygrant, Dehradun, Uttarakhand on 21st-23<sup>rd</sup> September 2018.
4. Regional Refresher Course – ASI, All India Institute of Medical Sciences, Patna, 6<sup>th</sup>-8<sup>th</sup> July 2018.
5. Attend the Training in Robotics Surgical System at Kochi from 24th to 27th September 2018.
6. Attend the “IX CMW cum workshop on Laws Applicable to hospital at PGIMER, Chandigarh from 5th to 6th October 2018.
7. IAPSCON 2018 organised by Indian association of Pediatric Surgeon as Faculty member and Chairperson at PGIMER Chandigarh from 25th to 28th October 2018.
8. IAGES (Indian Association of Gastroendoscopic Surgeons of India) conference, Kochi 12th to 15th December 2018.
9. ASICON 2018 organised by Association of surgeons of India, Chennai Trade centre, Chennai, 26<sup>th</sup> to 31st December 2018.
10. Laws Applicable to Hospital: Issues, Challenges and Possible Solutions at AIIMS, Rishikesh on 30th March 2019.
11. 4th Annual Healthcare Summit & Precious Daughters of India Awards organized, Jaipur on 28th September 2018.
12. “Robotic Surgery: Expanding Horizons” at AIIMS Jodhpur on 29th - 30th Nov 2018.
13. 12th Pediatric Surgery Update 2019 at Ahilya Bai College of Nursing Auditorium, Maulana Azad Medical College at New Delhi from 7th to 10th March 2019.

**Workshops/Conferences Organized:**

1. Hand on workshop on Endotrainer, PCNL simulators and wet lab on pediatric thoracoscopy as a pre-conference workshop on 14<sup>th</sup> February 2019.
2. Organizing Chairperson for “14th Pediatric Endoscopic Surgeons of India” Annual Conference organized from 15<sup>th</sup> to 17th February 2019 at AIIMS, Jodhpur.

**Name of Faculty: Dr. Manish Pathak**  
**Designation: Associate Professor**

**Papers Presented:**

1. Jayakumar TK, Pathak M, Saxena R, Sinha A. Malignant osteogenic sarcoma of coccyx: An hitherto unknown entity. SOSCON 2018, Goa, 21-23<sup>rd</sup> September 2018.
2. Saxena R, Pathak M, Sinha A Pediatric bronchial carcinoid with Cushing's syndrome: A diagnostic riddle to solve. SOSCON 2018, Goa, 21-23<sup>rd</sup> September 2018.
3. Pathak M, Saxena Rahul, Sinha A, Motiwala T. Laparoscopic pyloromyotomy: A new gold standard. EAPS 2018, Paris, France from 30<sup>th</sup> Oct.- 3<sup>rd</sup> November 2018
4. Saxena R, Pathak M, Sinha A, Motiwala T, Jayakumar TK Cecal duplication cyst- A rare disease with variable presentation and its management in era of laparoscopy IAPSCON 2018, PGIMER Chandigarh, 25<sup>th</sup> -28<sup>th</sup> October 2018.
5. Sinha A, Pathak M, Saxena R. Laparoscopic assisted anorectal pullthrough for anorectal malformation in children: Our initial experience IAGES silver jubilee international cruise conference, Cochin from 12<sup>th</sup> -15December, 2018.
6. Saxena R, Pathak M, Sinha A. Video presentation of laparoscopic assisted transanal Swenson pull-through. IAGES silver jubilee international cruise conference 12<sup>th</sup> -15<sup>th</sup> December, 2018, Cochin
7. Shreyas K, Saxena R, Pathak M, Sinha A Laparoscopic Assisted Pull through for Hirschsprung Disease in Children. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th February 2019
8. Sikchi R, Pathak M, Saxena R, Sinha A The successful use of endoscopy and fluoroscopy in the management of acquired rectourethral fistula. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
9. Sikchi R, Rathod K, Pathak M, Saxena R, Jadhav A, Sinha A Thoracoscopic decortication in pediatric empyema. . 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th February 2019.
10. Vig A, Sinha A, Pathak M, Saxena R Initia experience with pediatric robot assisted urological procedures. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
11. Motiwala T, Pathak M, Saxena R, Sinha A. Laparoscopic assisted Swenson for redo rectal atresia. . 14th Pediatric Endoscopic Surgeons of India Annual conference from 14th-17th Feb 2019 at All India Institute of Medical Sciences, Jodhpur
12. Vig A, Pathak M, Saxena R, Sinha A. Removal of duodenal foreign body by laparoscopic gastrotomy. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.

**Sessions Chaired:**

1. Chairperson in Masterclass with CME titled "Robotic Surgery: Expanding horizons", AIIMS Jodhpur, 29-30<sup>th</sup> November 2018.
2. Chariperson in a session on Augmentataion cystoplasty in a Exstrophy-Episspadias Live Operative Workshop, JIPMER, Pondicherry, 4<sup>th</sup> -6<sup>th</sup> April 2019.



### **Invited Lectures**

1. "Role of Minimal Invasive Surgery in Resection of Pediatric Solid Tumors" in National Conference of Surgical Oncology Section of Indian Association of Pediatric Surgery SOSCON 2018, Goa, 21-23 September 2018.

### **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. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
5. Expedited feeding regimen after elective restoration of bowel continuity.
6. Laparoscopic inguinal hernia repair: comparison of two techniques

### **Scientific Awards/Patents**

#### **Copyright:**

1. Got copyright for Preparing Standard Treatment Workflows for common pediatric surgical conditions as an expert in a committee constituted by Ministry of Health and Family Welfare

#### **Awards:**

1. Best poster award in Indian Association of Pediatric Surgeons National Conference 2018 at PGI Chandigarh

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

1. National Conference of Surgical Oncology Section of Indian Association of Pediatric Surgery (SOSCON 2018, Goa, 21-23<sup>rd</sup> September, 2018).
2. The 7<sup>th</sup> European Academy of Pediatric Societies Conference (EAPS 2018) October 30-November 3, 2018.
3. Masterclass with CME titled "Robotic Surgery: Expanding horizons", AIIMS Jodhpur
4. 14<sup>th</sup> National Conference of Pediatric Endoscopic Surgeons of India (PESICON 2019) 15<sup>th</sup>-17 February 2019. AIIMS Jodhpur, 29-30<sup>th</sup> November 2018.
5. Indian Association of Gastro-endoscopic Conference, Maldives, 12-15<sup>th</sup> December, 2018.
6. Training programme on Library Automation (TPLA 2018) at Satyajit Ray Film & Television Institute, Kolkata, 31<sup>st</sup> May to 3<sup>rd</sup> June 2018.
7. Expert group meeting for Standard Treatment Workflows (STWs) by Ministry of Health and Family Welfare, ICMR, New Delhi, 4<sup>th</sup> December 2018.

**Name of Faculty: Dr. Kirtikumar J Rathod**  
**Designation: Associate Professor**

**Awards:**

1. Best poster award for “Laparoscopic Median Sacral Artery Ligation in neonate with Sacrococcygeal teratoma” Indian Association of Pediatric Surgeons National Conference 2018 at PGI Chandigarh

**Papers Presented:**

1. Rathod KJ, Rajimwale A “Comparison of methods of fistula closure post hypospadias repair” Asian Association of Paediatric Surgery AAPS 2018 Dubai
2. Motiwala T, Rathod KJ, Jadhav A, Sinha A.”Giant Melanocytic Naevus with scrotal mass’. Asian Association of Paediatric Surgery AAPS 2018 Dubai
3. Jaykumar TK, Rathod KJ, Jadhav A, Saxena R, Pathak M, Sinha A. ”Gorham Stout disease’. Asian Association of Paediatric Surgery AAPS 2018 Dubai
4. Vig A, Rathod KJ, Jadhav A, Kamal M, Sinha A. Laparoscopic Ligation of Median Sacral in neonates with Sacrococcygeal teratoma. IAPSCON 2018, PGIMER Chandigarh, October 25<sup>th</sup>-28<sup>th</sup> 2018.
5. Jadhav A, Rathod KJ Sinha A. Laparoscopic total nephroureterectomy and cystolithotomy in single sitting. IAPSCON 2018, PGIMER Chandigarh, 25-28<sup>th</sup> October 2018.
6. Sikchi R, Rathod KJ, Sinha A. “what to do when you don’t find an appendix during laparoscopic appendicectomy in perforated appendix. IAPSCON 2018, PGIMER Chandigarh, 25-28<sup>th</sup> October 2018.
7. Sikchi R, Rathod KJ, Sinha A. Successful Management of late presentation of ano-rectal malformation by Rectoplasty during PSARP. IAPSCON 2018, PGIMER Chandigarh, 25<sup>th</sup> -28<sup>th</sup> October 2018.
8. Sikchi R, Rathod KJ, Jadhav A, Saxena R, Pathak M, Sinha . Thoracoscopic decortication in paediatric empyema thoracis AIIMS Jodhpur experience. 14th Pediatric Endoscopic Surgeons of India Annual conference from at All India Institute of Medical Sciences, Jodhpur, 14th-17th February 2019
9. Biang S, Rathod KJ Jadhav A, Sinha A. ‘Laparoscopic Omental flap cover for Oesophaggeal perforation in Achalasia Cardia’ 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur Jadhav A, Rathod KJ, Sinha A. Laparoscopic Vascular Hitch in PUJO. PESICON 2019 AIIMS Jodhpur, from 14th-17th February 2019
10. Jaykumar TK, Rathod KJ, Jadhav A, Sinha A. Laparoscopic excision of testicular remnant in non palpable undescended testis. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.

**Sessions Chaired:**

1. Free Paper Session at Annual conference of North East Chapter of Indian Association of Paediatric Surgeons, Silchar Assam, May 2018.
2. Guest lectures session at IAPSCON 2018, PGIMER Chandigarh, 25-28<sup>th</sup> October 2018.
3. Poster session at IAPSCON 2018, PGIMER Chandigarh, 25-28<sup>th</sup> October 2018.
4. Free Paper Session at IAPSCON 2018, PGIMER Chandigarh, 25-28<sup>th</sup> October 2018.

**Invited Lectures**

1. "Networking and Collaboration for Surgical Care of Children" Annual conference of North East Chapter of Indian Association of Paediatric Surgeons, Silchar Assam, May 2018
2. "Leadership & Team work in Surgery" IAPSCON 2018, PGIMER Chandigarh, 25-28th October 2018

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

1. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
2. Expedited feeding regimen after elective restoration of bowel continuity.

**➤ 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

**Memberships**

1. Member of British Association of Paediatric Surgeons
2. Member of Global Initiative in Children Surgery headquarters Oxford UK
3. Executive Committee Member Pediatric Endoscopic Surgeons of India
4. Executive Committee Member Society of Pediatric Urology India

**National/ International Conferences attended:**

1. IPEG 2018. 27th Annual Congress International Pediatric Endosurgery Group, Washington State Convention Centre, Seattle Washington USA from 11-14th April 2018.
2. AAPS 2018. 25th Annual Conference of Asian Association of Pediatric Surgeons Marriott Marquis Dubai UAE from 1-3rd Dec 2018.
3. NEIAPSCON 2018. Annual conference of North East Chapter of Indian Association of Paediatric Surgeons, Silchar Assam from 5-6th May 2018.
4. SPUCON 2018. 6th Annual Conference of Society of Paediatric Urology- Indian Association of Paediatric Surgeons from 8-10th June 2018, JJ Hospital Mumbai.
5. IAPSCON 2018. 44th Annual Conference of Indian Association of Paediatric Surgeons, PGIMER Chandigarh, 25-28th Oct 2018.
6. NTTC 2018. 80th National Course on educational Science for Teachers of Health Professionals, JIPMER Pondicherry, 4-9th Feb 2019.
7. PESICON 2019. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14 th -17 th Feb 2019.

**Name of Faculty: Dr. Avinash S Jadhav**  
**Designation: Associate Professor**

**Papers Presented:**

1. Jadhav AS, Rathod KJ, Vig A, Jayakumar TK, Sinha A. Laparoscopic nephroureterectomy & laparoscopic vesicolithotomy in a single sitting : A rare Occurrence. How we did it. IAPSCON 2018 ,PGIMER,Chandigarh, 25<sup>th</sup> – 28<sup>th</sup> October 2018.
2. Jadhav AS, Rathod KJ. Laparoscopic vascular hitch for crossing lower pole vessels in Pelviureteric junction obstruction. PESICON 2019, AIIMS Jodhpur, 14-17<sup>th</sup> February 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Histological and Immunohistochemical changes in buccal mucosa graft in cases of hypospadias. Intramural.

➤ **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. Laparoscopic inguinal hernia repair: comparison of two techniques.
4. To study the effect of duration of indwelling urinary catheter on surgical outcome following tubularized incised plate repair in patients with distal hypospadias.

**National/ International Conferences attended:**

1. SPUCON 2018, Society of Pediatric Urology, Sir JJ Hospital Mumbai, 8<sup>th</sup> – 10<sup>th</sup> June 2018.
2. Masterclass with CME titled “Robotic Surgery: Expanding horizons”, AIIMS Jodhpur, 29-30<sup>th</sup> November 2018.
3. IAPSCON 2018 Indian Association of Pediatric Surgeons, PGIMER Chandigarh, 25<sup>th</sup> -28<sup>th</sup> October 2018.
4. PESICON 2019. 14<sup>th</sup> National Conference of Pediatric Endoscopic Surgeons of India, AIIMS Jodhpur, 14<sup>th</sup>-17<sup>th</sup> February 2019.

**Name of Faculty: Dr. Rahul Saxena**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Vig A, Saxena R, Pathak M, Sinha A. Removal of duodenal foreign body (rusted key) by laparoscopic Gastrotomy. Video Presentation 14<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14<sup>th</sup>-17<sup>th</sup> Feb 2019.

2. Shreyas K, Saxena R, Pathak M, Sinha A. Laparoscopic Assisted Pull through for Hirschsprung Disease in Children. Oral Presentation. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
3. Sikchi R, Pathak M, Saxena R, Sinha A. The successful use of endoscopy and fluoroscopy in the management of acquired rectourethral fistula. E-Poster, 14<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
4. Vig A, Sinha A, Pathak M, Saxena R. Initial experience with Pediatric Robot assisted Urological Procedures. E-Poster 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
5. Sikchi R, Rathod K, Pathak M, Saxena R, Jadhav A, Sinha A Thoracoscopic decortication in pediatric empyema. 14th Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14th-17th Feb 2019.
6. Saxena R, Pathak M, Sinha A, Motiwala T, Jayakumar TK Cecal duplication cyst- A rare disease with variable presentation and its management in era of laparoscopy IAPSCON 2018, PGIMER Chandigarh, October 25-28 2018.
7. Saxena R, Manish Pathak, Arvind Sinha. Laparoscopic assisted transanal pull through for redo rectal atresia. Indo- Maldives Silver Jubilee Cruise Conference, IAGES, Cochin ,12<sup>th</sup>-15<sup>th</sup> Dec 2018.
8. Sinha A, Pathak M, Saxena R. Laparoscopic assisted anorectal pull-through for anorectal malformation in children: Our initial experience IAGES silver jubilee international cruise conference, Cochin, 12-15<sup>th</sup> December, 2018
9. Pathak M, Saxena R, Sinha A, Motiwala T. Laparoscopic pyloromyotomy: A new gold standard. EAPS 2018, Paris, France
10. Saxena R, Pathak M, Sinha A, Jayakumar TK. Paediatric Cushing's syndrome due to Ectopic ACTH syndrome- a diagnostic riddle to solve. Poster presentation in National Conference of Surgical Oncology Section of Indian Association of Pediatric Surgery SOSCON 2018, Goa, 21-23<sup>rd</sup> September 2018.
11. Jayakumar TK, Pathak M, Saxena R, Sinha A. Malignant osteogenic sarcoma of coccyx: An hitherto unknown entity. National Conference of Surgical Oncology Section of Indian Association of Pediatric Surgery SOSCON 2018, Goa, 21-23<sup>rd</sup> September 2018.
12. Saxena R, Pathak M, Sinha A. Laparoscopic assisted anorectoplasty. 18<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual nation Conference (PESICON), Apollo Hospital, New Delhi, 23<sup>rd</sup>-25<sup>th</sup> February 2018
13. Pathak M, Saxena R, Sinha A, Motiwala T. Laparoscopic pyloromyotomy: A new gold standard. 18<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual nation Conference (PESICON), Apollo Hospital, New Delhi, 23<sup>rd</sup>-25<sup>th</sup> February 2018.

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

1. Member; Association of Minimal Access Surgeons of India, Life membership number. 7400.
2. Fellowship; Association of Minimal Access Surgeons of India- **FMAS**.
3. Life membership of Surgical Oncology section of Indian Association of Pediatric Surgery.

**Sessions Chaired**

1. Chairperson for session on Robotic fundoplication in Master class with CME on Robotic Surgery at All India Institute of Medical Sciences, Jodhpur on 29th and 30<sup>th</sup> November 2018.
2. Chairperson for session on Hepatic Tumours in SOSCON 2018, Annual Conference of Surgical Oncology Section of Indian Association of Pediatric Surgeons SOS-IAPS, Goa, 21st-23rd September 2018.
3. Chairperson of Session on laparoscopic inguinal hernia repair in 56th AMASI Skill Course & FMAS Examination being held at Dr. S N Medical College, Jodhpur, Rajasthan from 10th to 12th August 2018.

**National/ International Conferences attended:**

1. IV Annual Pediatric Solid Tumor workshop 2019, held at Tata Memorial Centre, Mumbai on 27<sup>th</sup>-28<sup>th</sup> April 2019
2. PESICON 2019. 14<sup>th</sup> Pediatric Endoscopic Surgeons of India Annual conference at All India Institute of Medical Sciences, Jodhpur from 14<sup>th</sup>-17<sup>th</sup> Feb 2019
3. Indo-Maldives Silver Jubilee Cruise Conference, organized by Indian Association of Gastrointestinal Endo-surgeons-IAGES, Cochin 12<sup>th</sup>-15<sup>th</sup> Dec 2018.
4. Master class with CME on Robotic Surgery at All India Institute of Medical Sciences, Jodhpur on 29th and 30<sup>th</sup> November 2018.
5. SOSCON 2018, Annual Conference of Surgical Oncology Section of Indian Association of Pediatric Surgeons SOS-IAPS, in Goa from September 21<sup>st</sup>-23<sup>rd</sup> 2018.
6. "Reconstructive Urology" Midterm CUE of North Zone chapter of urological Society of India at All India Institute of Medical Sciences, Jodhpur from 21<sup>st</sup>-22<sup>nd</sup> July 2018.

**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. Histological Changes in Penile tissues due various haemostatic Method used during hypospadias operation.
4. Expedited feeding regimen after elective restoration of bowel continuity
5. Laparoscopic inguinal hernia repair: comparison of two techniques

### **14<sup>th</sup> Pediatric Endoscopic Surgeons of Indian Conference (PESICON 2019), Department of Pediatric Surgery, All India Institute of Medical Sciences, Jodhpur**

The department of Pediatric Surgery, All India Institute of Medical Sciences, Jodhpur, organised the national subchapter conference 14<sup>th</sup> Pediatric Endoscopic Surgeons of Indian Conference (PESICON 2019) from 14<sup>th</sup>-17<sup>th</sup> Feb 2019. The academic feast was inaugurated by, Prof Sanjiv Misra, Director, All India Institute of Medical Sciences, Jodhpur.

The conference was well attended, by more than 200 national and international delegates. It attracted more than 80 abstract submissions, a good number considering rather modest number of members in the subsection. The acceptance rate of oral presentation was 14% and only twelve papers were accepted for oral presentation after a blinded scrutiny of the submissions. Forty submissions were considered for e-poster presentations. There were 20 video presentations including 8 Karl Storz video presentations.

There were quite a few subordinate events before the main event and these included hands on endotrainer workshop, wet lab on thoracoscopy and excellent demonstration of Percutaneous Nephrolithotomy (PCNL) simulation. Young trainees turned up in large numbers and this pre-conference workshop was a big hit among them. They especially enjoyed the challenge of thoracoscopic procedures in the wet lab with many faculty members trying their hands at thoracoscopic suturing in between session. PCNL Simulation was another area of interest for the delegates as PCNL is one of the procedures that does not routinely fall under the domain of Pediatric Surgeons. The faculty of the workshop included many stalwarts in the field of laparoscopy and thoracoscopy like Dr Rasik Shah, Dr Mohan Abraham, Dr Nitin Patwardhan, Dr Ravi Ramadwar and Dr VVS Chandrashekharam.

The Karl Storz video award is the most prestigious and sought after award of PESICON each year. Eight videos were presented during this intensely competitive session. Dr Karpaga Vinayagam Natrajan and Dr Rishi Dwivedi were the first and second prize winners respectively. Winners of the best free paper award for urology, G.I Surgery and thoracic session were Dr Saalim Naazki, Dr Rishi Dwivedi/Dr Suramya Anand and Dr Anand Sinha respectively. Dr Gyanendra won the best video award.

Travel bursary award was the new initiative taken by the organizers of PESICON 2019. Other specialities like Oncology has a very well developed Travel Bursary and award mechanism which provides the best trainees and young surgeons with an incentive to further their learning by providing monetary and institutional support. PESICON Travel bursary award was based on the combination of the quality of scientific abstract, brief write-up by the applicant and his resume. Four trainees were awarded travel bursary award and the winners were Dr Saalim Naazki, Dr Ashwitha Shenoy, Dr Cherian Jerin and Dr Suramya Anand.

One of the highlights of the conference is the PESI-Oration where a Pediatric Surgeon of eminence delves deep into a topic providing both a broad overview of the topic along with small details and intricacies which is only possible after years of work in the field. Professor Amulya Kumar Saxena was the PESI- Orator. He is a doyen in the field of minimal access surgery and his fields of prowess include reconstructive surgery for congenital anomalies, correction of chest wall deformities. His myriad fields of expertise also incorporate the future, being a pioneer in tissue engineering and regenerative medicine research.

The topic of his talk was “Tribute to the pioneers and back to the future.” His oration was an absolute treat for everyone sitting in the auditorium. All the faculty members and delegates appreciated the topic and the talk. The scientific program also got a new flavour of fiercely fought debates and passionately run panel discussions.

Panel discussion on “Pediatric surgical training in the era of laparoscopy” was moderated by Prof. Minu Bajpai and panellists included the names like Dr Ketan Parikh, Dr S. Ramesh and Dr VVS Chandrasekharam. This panel discussion raised some important issues and PESI office-bearers decided to work towards devising ways of incorporating the minimal access surgery as a structured program in the paediatric surgical training.

Then there was this intensely fought debate on “Live operative workshop is an integral part of pediatric surgical endoscopic workshop” Pertinent points were put both for and against the motion by the debaters and it also involved participation by the audience. Prof Amulya Kumar Saxena and Dr Ketan Parikh spoke against the motion while DR Nitin James Peters and Dr Shilpa Sharma were in favour of having live operative workshop.

Neonatal Surgery symposium was moderated by Dr VVS Chandrasekharam and was a very well attended session.

PESICON 2019 also focussed on the advances in Minimally invasive surgery including Robotic procedure in children. There was an operative demonstration on the use of Surgical Robotics in the management of vesico-ureteric reflux. Prof Arvind Sinha also presented the journey of All India Institute of Medical Sciences, Jodhpur in the establishment of the robotic programme in the institution. A Panel discussion on “Problems faced by young surgeons to initiate minimal access surgery was moderated by Dr Virender Sekhon. Tech savvy young surgeons decided to broadcast this discussion live on video streaming site. Though this was the last session before the valedictory function but extremely enthusiastic participation made this session as lively as any.

The event was a great success with efforts of organising committee and unconditional support of administration of All India Institute of Medical Sciences, Jodhpur. The glorious campus, auditorium, hospital premises and facility of robotic surgery caught the attention of both national and international delegates. The arrangements and proceedings of conference were also much appreciated and attracted editorial article in Journal of Pediatric Endoscopic Surgery, Springer.



## Department of Pediatrics

S.No.	Name	Designation
1	Dr. Kuldeep Singh	Professor and Head
2	Dr. Jagdish Prasad Goyal	Additional Professor
3	Dr. Daisy Khera	Associate Professor
4	Dr. Prawin Kumar	Associate Professor
5	Dr. Varuna Vyas	Assistant Professor
6	Dr. Aliza Mittal	Assistant Professor
7	Dr. Bharat Chaudhary	Assistant Professor ( Trauma & Emergency)
8	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. The department visualize a society of healthy children free from any disease and disability. The department with its infrastructure and faculty expertise 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 in order to provide preventive and promotive health besides curative services as per the Institute mandate.

**Mission:** Let no child goes out of the department and hospital deprived of his/her right to the optimal health. That take account of 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 and model highest level of patient care, building evidences through contemporary research adding substantial information to existing knowledge and

### Facilities by the department:

Department saw nearly 150 patients daily in OPD suffering from common conditions to complex and difficult to diagnose conditions. Department also has IPD which caters to patients with diagnostic dilemma to sick patients requiring team care. Some patients are admitted with chronic condition not managed at home or are being prepared to continue care long term.

Department also runs many speciality clinics like High risk new born, Well baby Clinic, Pediatric Pulmonary Clinic, Genetic, Pediatric Endocrine, Pediatric Nephrology and Adolescent Clinic.

The department has facilities for diagnosing and managing all type of respiratory conditions with help of PFT machine, bronchoscopy, video bronchoscopy, sweat chloride testing etc.

The department has state of the art PICU and NICU with provision for managing any kind of illness requiring intensive care.

## Papers

### Pubmed Indexed:

1. Murhekar M, Bavdekar A, Benakappa A, Santhanam K, Singh K, Verma S et al. Sentinel Surveillance for Congenital Rubella Syndrome — India, 2016–2017. *MMWR Morb Mortal Wkly Rep* 2018;67:1012–1016.
2. Singh K, Mahajan R, Singh T, Gupta P. Flipped Classroom: A Concept for Engaging Medical Students in Learning. *Indian Pediatr* 2018; 55:507-512.
3. Singh K, Misra S. Translating research into clinical practice skills. *Ann Natl Aca Med Sci* 2018; 54: i-iii
4. Charan J, Goyal JP, Reljic T, Emmanuel P, Patel A, Kumar A. Isoniazid for the Prevention of Tuberculosis in HIV-Infected Children: A Systematic Review and Meta-Analysis. *Pediatr Infect Dis J.* 2018 ;37(8):773-780.
5. Goyal JP, Kumar P. Searching for Better Asthma Control? *Indian J Pediatr.* 2018 Jun; 85 (6):409-410. Epub 2018 Apr 9.
6. Kumar P, Goyal JP. Nasal CPAP in Bronchiolitis. *Indian Pediatr.* 2018 May 15; 55(5):437-438.
7. Kumar P, Goyal JP. Serum magnesium levels and its correlation with level of control in patients with asthma: A hospital-based, cross-sectional, prospective study. Letter to Editor. *Lung India* 2019;36:89-9.
8. Kumar P, Goyal JP. Correspondence: Clinical Characteristics of Tracheomalacia in Infants. March 2019. *Indian pediatrics* 56(3):253-254.
9. Khera D, Bhatnagar A, Khera P, Kumar P. Percutaneous sclerotherapy of superficial vascular malformation leading to bleomycin induced lung injury and lipoid pneumonia: a rare complication. *Indian J Pediatr* 2018. DOI: 10.1007/s12098-018-2718-9.
10. Khera D, John J, Singh K, Faruq M. Tay-Sachs Disease- A Novel mutation from India. *BMJ Case Rep* 2018;11
11. Aneja J, Pareek V, Khera D, Singh K. Acetaminophen abuse in a child with chronic pain. *J. Indian Assoc. Child Adolesc. Ment. Health* 2019; 15(1):139-148.
12. 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. *Journal of Pediatric Rehabilitation Medicine* 2019; 14: 143-49.
13. Khera D, Singh S, Gupta P. Hypomelanosis of Ito: Streaks and whorls. *BMJ Case Rep* 2019.
14. Sharma A, Bhatia P, Vyas V, Sethi P, Kaloria N, Sharma L. Should Total Intravenous Anesthesia Be Used to Prevent the Occupational Waste Anesthetic Gas Exposure of Pregnant Women in Operating Rooms? *Anesth Analg.* 2019 Jan;128(1):188-190.

15. Sharma A, Karna ST, Tandon M, Pandey CK, Chaturvedi R, Vyas V, Goel AD. Use of ultrasound-guided preoperative diaphragmatic thickness as a predictor of postoperative weaning failure in recipients and donors scheduled for living donor liver transplant surgery. *Saudi J Anaesth.* 2018 Jul-Sep;12(3):406-411.
16. Bhatia P, Sharma A, Gupta S, Vyas V, Kaloria N, Sethi P. Aerosolized antibiotics: For prophylaxis OR for treatment? *J Crit Care.* 2018 Oct;47:348.
17. Joshiraj B, Sharma A, Subramaniam R, Vyas V. Perioperative management of patient with Conn's syndrome and severe hypokalaemia: How low is too low? *Indian J Anaesth.* 2019 Jan;63(1):67-68
18. Mittal A, Khera D, Vyas V, Choudhary B, Singh K. Dangerous hyperkalemia in a newborn: Questions. *Pediatr Nephrol.* 2019 May;34(5):811.
19. Mittal A, Khera D, Vyas V, Choudhary B, Singh K. Dangerous hyperkalemia in a newborn: Answers. *Pediatr Nephrol.* 2019 May;34(5):813-815. doi: 10.1007/s00467-018-4102-4. Epub 2018 Oct 31.
20. Mittal A, Dijoo M, Sabhikhi A, Gulati S. Henoch Schönlein Purpura Nephritis Developing in a Child with Known IgA Nephropathy. *Indian J Pediatr.* 2018 Sep;85(9):808-809
21. 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.
22. Modi M, Ramji S, Jain A, Kumar P, Gupta N. Early Aggressive Enteral Feeding in Neonates Weighing 750-1250 Grams: A Randomized Controlled Trial. *Indian Pediatr.* 2019 15;56:294-298.
23. 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):233-235.
24. Sasidharan R, Gupta N, Chawla D. Dopamine versus epinephrine for fluid-refractory septic shock in neonates. *Eur J Pediatr.* 2019;178:113-114.
25. Pathak M, Saxena R, Gupta N, Sinha A. Chylothorax mimicking as anastomotic leak in a case of esophageal atresia. *J Clin Neonatol* 2018;7:279-81.
26. Kumar J, Kumar P. Correspondence: Association between Vitamin D and Asthma. March 2019. *Indian pediatrics* 56(3):252-253.
27. Panigrahi I, Dhanorkar M, Didel S, et al. Hunter syndrome with persistent thrombocytopenia. *BMJ Case Reports CP* 2019;12: e226518

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

1. Principles of Renal replacement therapy in critically ill children – Indian perspective. Sidharth Sethi, Aliza Mittal, Rupesh Raina, Manindar Dhaliwal. *Journal of Pediatric Critical Care* April 2018
2. Kumar P, Gupta N, Khera D, Singh K. Pseudo-Bartter Syndrome as the Initial Presentation of Cystic Fibrosis in Infants: A Series of 3 cases and Review of Literature. *J Clin Diagn Res.* 2018.
3. Kumar P, Goyal JP. Incidence and Risk Factors for Prolonged Stay in Children Hospitalized with Pneumonia. Letter to editor; *Journal of Clinical and Diagnostic Research.* 2019 Feb, Vol-13(2): SL01-SL02 1.

4. Kumar P, Goyal JP. Association of Serum Vitamin D Levels and Recurrent Wheezing in Children. Letter to editor; Journal of Clinical and Diagnostic Research. 2019 Mar, Vol-13(3): SL03-SL04

### **Workshops/ Conferences Organized**

1. ICMR-AIIMS Jodhpur 1st CME on “Community acquired pneumonia in children” organized by the Department of Pediatrics at AIIMS Jodhpur June 23, 2018.
2. Public Awareness Lecture and Panel Discussion on Diabetes Mellitus in children, organized by department of Pediatrics. AIIMS Jodhpur, November 14, 2018.
3. Bayley Scale of Infant and Toddler Development- Third edition- Workshop held at AIIMS Jodhpur on December 22, 2018.
4. Pediatric Pulmonology update organized by the Department of Pediatrics at AIIMS Jodhpur on January 19- 20, 2019.
5. World Kidney Day- Pediatric Nephrology Workshop, AIIMS Jodhpur February 19, 2019
6. STEP workshop September 2018
7. ETAT AIIMS Jodhpur 23-25 October 2018

### **Bayley Scale of Infant and Toddler Development- Third edition- Workshop**

A workshop on “Bayley Scale of Infant and Toddler Development- Third edition” was held at Multipurpose Hall, College building, AIIMS Jodhpur on December 22, 2018. The main faculty of the workshop was Dr Lalitha Subramanian from Sri Ramachandra Medical Centre, Chennai. There were 40 participants in this workshop.



Participants and faculty of Bayley Scale of Infant and Toddler Development  
- Third edition – Workshop



Workshop in progress

### **Public Awareness lecture and Panel Discussion- Diabetes in children**

On November 14, 2019 on the occasion of Children's Day and World Diabetes Day the Department of Pediatrics organized a Public Awareness Lecture and Panel Discussion.

The session started with a brief lecture on Type 1 Diabetes Mellitus in children by Dr. Varuna Vyas Assistant Professor in the Department of Pediatrics followed by Dr. Ravindra Shukla Assistant Professor in the Department of Endocrinology. This was followed by a panel discussion in which all faculty members of the department of Pediatrics and the Department of Endocrinology actively participated and shared information about the nature of the disease, need for treatment and how best the patients could work towards optimizing their management. The event was attended by pediatric patients with diabetes mellitus, their family members, school teachers and general public. A written feedback was collected from the participants at the end of the event. All participants were happy with the information that they had received and felt that such lectures would definitely help in them in dealing with diabetes/ diabetic patients and optimize their outcomes,



Public awareness lecture- Audience from all age groups



Dr. Varuna Vyas addressing the audience

### **Pediatric Nephrology Workshop**

Acute kidney injury is a leading cause of morbidity in children admitted to hospitals and ICU's. It is an important preventable and treatable cause of morbidity and mortality, it is imperative that every pediatrician be trained in managing AKI. Peritoneal dialysis is a cheap and easily available modality, an can be inserted bedside with good results and efficacy. It is therefor essential for each clinician to learn and be able to institute this therapy to their patient..With this in mind the Department of Pediatrics conducted a one day hands on workshop on basic pediatric nephrology and Peritoneal Dialysis on 19<sup>th</sup> February 2019. This was also to celebrate the world kidney day.

The program saw an enthusiastic participation from the residents of Pediatrics, Medicine, Nephrology as well as pediatric Surgery, amounting to a total of 30 participants.

The Programme started with a discussion on Nephrotic syndrome by Dr Aliza Mittal, assistant Professor Pediatrics AIIMS Jodhpur, followed by a talk on management of Acute kidney injury by Dr. Suprita Kalra, Associate Professor, AFMC Pune. Dr Daisy Khera, Associate Professor of Pediatrics, AIIMS Jodhpur also facilitated the hands on workshop.

The lectures were followed by a demonstration of "Peritoneal Dialysis"- insertion technique as well as prescription. The participants were then made to practice hands on the technique of inserting a PD Catheter on dummies. The focus of workshop was to ensure that all residents learn the technique of PD insertion and prescription.



Hands on training of the students by Dr. Aliza Mittal



Faculty and Delegates

**Name of Faculty: Dr. Kuldeep Singh**  
**Designation: Professor and Head**

**Papers Presented:**

1. Kumar P, Goyal JP, Khera D, Singh K. Flexible Bronchoscopy in Children: An Experience from Tertiary Care Center of Western Rajasthan at 30<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2018, Indore, Madhya Pradesh, 24<sup>th</sup> November 2018.

**Sessions Chaired:**

1. National Conference on Evidence Based Medicine (EBCON 2019 at PGIMER Chandigarh on 17<sup>th</sup> February 2019.

**Invited Lectures:**

1. Convened a workshop on e-Learning at 6<sup>th</sup> Annual National Conference on Pediatric Education (NCPE 2018) at Amritsar 26-28 October 2018
2. "Pneumonia in Children" at IAP meeting in Lucknow on 10<sup>th</sup> January 2019

**Resource Faculty:**

1. Congenital Rubella Syndrome in India project meeting at Chennai on 16 December 2018
2. Pediatric Pulmonology Update. 20<sup>th</sup> January 2019. AIIMS Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **Chief Investigator**

1. Congenital Rubella Syndrome in India- Multicenter Study by ICMR funded by UNDP
2. Collaborator for Canadian Project, Stars in Global Health, by Grand Challenges Canada titled "Flipping to empower Adolescents for Sexual and Reproductive Health" amounting to 1 Lac CAD.
3. Hospital Based Surveillance for Streptococcus Pneumoniae and other Invasive bacterial Diseases (HBSSIBD). Funded by ICMR, NIE Chennai with fund value Rs 22 Lakhs Completed in June 2018.
4. Hospital Based Surveillance for Streptococcus Pneumoniae and other Invasive bacterial Diseases (HBSSIBD) Phase 2 September 2018. Funded by ICMR, NIE Chennai

➤ **Co-Investigator**

1. Initiating antimicrobial stewardship in hospitals in India (ICMR)
2. "Improving health and nutritional status of vulnerable segment of population by implementing multi-component health and nutrition education intervention as a sustainable model of intervention". A DMRC Project (As Collaborator from AIIMS Jodhpur)
3. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study (Intramural non-funded project)



**Examinership:**

1. External examiner for post graduate in Pediatrics at Govt Medical College, Surat,
2. External examiner for post graduate in Pediatrics at JLN Medical College Ajmer

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

1. Advisory Board members for Indian Journal of Pediatrics

**National/ International Conferences attended:**

1. 6<sup>th</sup> NCPE Conference at Amritsar 26-28 October 2018
2. 4th International Conference on Birth Defects (ICBD 2018) & 5th Annual Conference of the Society of Indian Academy of Medical Genetics (SIAMG) to be held from 12th - 15th December 2018.

**Name of Faculty: Dr. Jagdish Prasad Goyal**

**Designation: Additional Professor**

**Books/Chapters**

1. Kumar P, Goyal JP. Acute Otitis media. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 26-35.
2. Kumar S, Kumar P, Goyal JP. Acute Bacterial Sinusitis. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 17-25.
3. Goyal JP, Kumar P. Acute Bacterial Pharyngitis. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 10-16
4. Goyal JP, Kumar P. Aerosol Therapy. In: IAP Textbook of Pediatrics: Menon PSN, Nair MKC. 2019 p. 662-66.

**Papers Presented:**

1. Goyal JP, Bhakhri BK, Goyal R. Prevalence of metabolic syndrome in overweight and obese adolescent at European Academy of Pediatric Society, Paris on October 30-November 2, 2018.
2. Kumar P, Goyal JP. Sleep related breathing disorder in asthmatic children: A cross-sectional study at 4th Asian Pediatric Pulmonology Society (APPS) Annual Scientific Congress, Beijing, China, 9<sup>th</sup> December in 2018.
3. Kumar P, Goyal JP, Khara D, Singh K. Flexible Bronchoscopy in Children: An Experience from Tertiary Care Center of Western Rajasthan at 30<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2018, Indore, Madhya Pradesh, 24<sup>th</sup> November 2018.
4. Goyal JP, Kumar P. Parental perception of asthma at 30<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2018, Indore, Madhya Pradesh, 24<sup>th</sup> November 2018,.

**Sessions Chaired:**

1. Personalized asthma treatment at Awesome Pulmonology at Jaipur on July 8, 2018

**Invited Lectures:**

1. Panelist on ChILD and preschool wheeze at Pedicon 2019 (National Conference of IAP) at Mumbai on February 6-10, 2019

**Resource Faculty:**

1. 2<sup>nd</sup> Seminar on Cystic Fibrosis on 9th September 2018 at AIIMS, New Delhi.
2. Pediatric Pulmonology Update. 20<sup>th</sup> January 2019. AIIMS Jodhpur
3. CME on Antibiotic Resistance "The Global Threat" on February 1-2, 2019.

**Research Project:****❖ Ongoing:****➤ Chief 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. (INCLLEN)
2. Initiating antimicrobial stewardship in hospitals in India (ICMR)
3. "Improve diagnosis and management of cystic fibrosis (CF) by capacity building of medical college hospitals across India and develop registry
4. Parental Perception about childhood asthma and its treatment: a questionnaire based cross-sectional study (intramural Non-funded)
5. Prevalence of metabolic syndrome in children with bronchial asthma (Intramural)

**➤ 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)
2. 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 grant for WHO program on Clinical Microbiology and Infectious diseases at UN City, Copenhagen, Denmark on 10-11 December, 2019.

**Examinership:**

1. External examiner for post graduate in Pediatrics at Govt Medical College, Surat, SPMC, Bikarner and GMC, Kota.

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

1. Executive board member of National Respiratory Chapter IAP
2. Editorial board member journal of Pediatric Respiratory
3. Executive Editor, International Journal on Medical Sciences and Public Health

**National/ International Conferences attended:**

1. European Academy of Pediatric Society (EAPS), Paris on October 30-November 2, 2018.
2. (RESPICON). IAP Respiratory Chapter. Indore, Madhya Pradesh. 24-25<sup>th</sup> November 2018.

**Name of Faculty: Dr. Daisy Khara**  
**Designation: Associate Professor**

### **Workshops/ Conferences Organized**

1. As Joint organizing secretary of ICMR-AIIMS Jodhpur 1st CME on “Community acquired pneumonia in children” organized by the Department of Pediatrics at AIIMS Jodhpur on 23<sup>rd</sup> June 2018.
2. As the Organizing secretary for workshop on “Bayley Scale of Infant and Toddler Development- Third edition” held at AIIMS Jodhpur on 22<sup>nd</sup> December, 2018.
3. As Joint organizing secretary of Pediatric Pulmonology update organized by the Department of Pediatrics at AIIMS Jodhpur on 19<sup>th</sup>-20<sup>th</sup> January 2019.

### **Papers presented:**

1. “Fulminant Myocarditis Secondary to H1N1 Pneumonia”: presented as poster presentation in International Pediatric Critical Care Conference of India “IPCCCI 2018” held from Oct 20-21st, 2018 at HICC Hyderabad, India.
2. “Tracheo-innominate fistula: a life threatening complication of tracheostomy”: presented as poster presentation at the 30<sup>th</sup> Annual National Conference of IAP Respiratory Chapter “Respicon 2018” organized by IAP Indore Samiti & MP IAP Respiratory Chapter on 24-25<sup>th</sup> Nov 2016 at Indore.

### **Sessions Chaired:**

1. Chaired the symposium on Food allergy in 30<sup>th</sup> Annual National Conference of IAP Respiratory Chapter “Respicon 2018” organized by IAP Indore Samiti & MP IAP Respiratory Chapter on 25<sup>th</sup> Nov 2018 at Indore.

### **Invited Lectures**

1. “Resurge of Pertussis in Recent Era and Recommendations to prevent further cases and outbreaks” at Awesome Pulmonology 2018 at 3rd Annual CME of IAP Respiratory Chapter, Rajasthan State held in Jaipur on 5<sup>th</sup> June 2018.
2. “Community acquired pneumonia in children”, ICMR-AIIMS Jodhpur 1st CME on organized by the Department of Pediatrics at AIIMS Jodhpur on 23<sup>rd</sup> June 2018 and gave a talk on “Atypical Pneumonia”.
3. “Croup: How to approach”. Pediatric Pulmonology Update organized by the department of Pediatrics at AIIMS Jodhpur on 19<sup>th</sup>- 20<sup>th</sup> January
4. Panel discussion in CME-2019 on “Antibiotics Resistance” organized by Department of Microbiology and Pediatrics at AIIMS Jodhpur on 1<sup>st</sup>-2<sup>nd</sup> February 2019.
5. “RNTCP Updated Pediatric Tuberculosis Guidelines 2019”, IAP Hadoti Society, Kota on 16<sup>th</sup> March 2019 at Kota.

### **Research Project:**

#### **❖ Ongoing:**

#### **➤ As Principal Investigator**

1. “Presepsin for the detection and risk stratification of sepsis in children: a prospective study.” An 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" an intramural project.
6. "Prevalence of metabolic syndrome in children with bronchial asthma" an intramural project.

❖ **Completed:**

➤ **As Principal Investigator**

1. Prevalence of zinc deficiency and the effect of zinc supplementation on prevention of Acute Respiratory infections in preschool children: An observational study.

➤ **As Co-Investigator**

1. " To develop Acute Respiratory Infection Treatment Units (ATUs) and assess their utility in improving healthcare and research in pneumonia related morbidity and mortality in India": multicentric extramural project funded by INCLEN.
2. "Effectiveness of institutional based goal oriented rehabilitation in children with developmental delay disorders": Intramural project

**Examinership**

1. External examiner for the theory, oral (viva) and practical examination of Pediatrics of 3rd MBBS (Part II) examination at Maulana Azad Medical College, New Delhi held on 4th- 7th December, 2018.
2. External Examiner for the practical supplementary examination of third professional MBBS (Pediatrics) at Dr SN Medical College, Jodhpur on June, 2018.
3. External Examiner for the practical examination of third professional MBBS (Pediatrics) at Dr SN Medical College & MDM hospital, Jodhpur from 29th to 31<sup>st</sup> Jan, 2019.

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

1. Life member of IAP Respiratory Chapter- Rajasthan Branch on 8<sup>th</sup> July 2018
2. Appointed as Scientific advisor in IAP Respiratory Chapter- Rajasthan State

**National/ International Conferences attended:**

1. AIIMS Pediatric Pulmonology and Intensive Care Course Module VII: Organ Dysfunction and Supportive Care in the PICU organized by AIIMS Delhi, Department of Pediatrics on 5th and 6th May 2018.
2. "Good Clinical Practice – Current regulatory and ethical requirements for conducting clinical trials/research in India including Schedule Y" organized by Department of Pharmacology, AIIMS Jodhpur, from 4<sup>th</sup> to 5<sup>th</sup> August 2018.

3. Thoracic ultrasound workshop held at AIIMS Jodhpur on 9<sup>th</sup> September 2018 organized by the department of Pulmonary Medicine, AIIMS Jodhpur.
4. 1st International Pediatric Critical Care Conference of India "IPCCCI 2018" held from Oct 20-21st, 2018 at HICC Hyderabad, India.
5. 30<sup>th</sup> Annual National Conference of IAP Respiratory Chapter "Respicon 2018" organized by IAP Indore Samiti & MP IAP Respiratory Chapter on 24-25<sup>th</sup> Nov 2018 at Indore.

**Name of Faculty: Dr. Prawin Kumar**  
**Designation: Associate Professor**

#### **Books/Chapters**

1. Kumar P, Kabra SK. Antimicrobial Therapy in Community Acquired Pneumonia. In: Rational Antimicrobial Practice in Pediatrics; Singhal T editor, 2019 pp 216-227.
2. Kumar P, Goyal JP. Acute Otitis media. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 26-35.
3. Kumar S, Kumar P, Goyal JP. Acute Bacterial Sinusitis. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 17-25.
4. Goyal JP, Kumar P. Acute Bacterial Pharyngitis. In: Antibiotic in common infections in children. An evidence based approach: Lodha R, Kabra SK editor, 2019 p. 10-16
5. Goyal JP, Kumar P. Aerosol Therapy. In: IAP Textbook of Pediatrics: Menon PSN, Nair MKC. 2019 p. 662-66.

#### **Papers Presented:**

1. Kumar P, Goyal JP. Sleep related breathing disorder in asthmatic children: A cross-sectional study at 4th Asian Pediatric Pulmonology Society (APPS) Annual Scientific Congress, Beijing, China, 9<sup>th</sup> December in 2018,.
2. Kumar P, Goyal JP, Khara D, Singh K. Flexible Bronchoscopy in Children: An Experience from Tertiary Care Center of Western Rajasthan at 30<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Respiratory Chapter, RESPICON 2018, Indore, Madhya Pradesh, 24<sup>th</sup> November 2018.

#### **Resource Faculty:**

1. 2<sup>nd</sup> Seminar on Cystic Fibrosis at AIIMS, New Delhi on 9th September 2018.
2. Pediatric Pulmonology Update, AIIMS Jodhpur, 20<sup>th</sup> January 2019.

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ Chief 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)
2. Evaluation of Sleep Related Breathing Disorders in Children with Asthma: A Questionnaire Based Cross-Sectional Study (Intramural non-funded project)

### ➤ Co-Investigator

1. Hospital Based Sentinel Surveillance for *S. pneumoniae* & other Invasive Bacterial Disease: Multicentric study. (ICMR, NIE, Chennai)
2. 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)
3. Ascertaining the spectrum of CFTR mutations by NGS based approach a multicentric study – towards creation of a panel of markers for diagnosis and standardization of cost effective genotyping assay. (ICMR)
4. Parental Perception about childhood asthma and its treatment: a questionnaire based cross-sectional study (intramural Non-funded)
5. Prevalence of intestinal parasitic infection in Undernourished children. (Intramural)
6. Symptoms of depression in adolescents with asthma: a reason for non-adherence? (Intramural)
7. Prevalence of metabolic syndrome in children with bronchial asthma (Intramural)

### Scientific Awards/Patents

1. Travel grant for oral paper presentation at 4th Asian Pediatric Pulmonology Society (APPS) Annual Scientific Congress in December 2018, Beijing, China.
2. Best Poster presentation Award at 30th National conference of Respiratory chapter of Indian academy of Pediatrics (RESPICON), held at Indore, Madhya Pradesh. 24-25th November, 2018.

### National/ International Conferences attended:

1. 4<sup>th</sup> Asian Pediatric Pulmonology Society (APPS) Annual Scientific Congress, 8-10 December, 2018. Beijing, China
2. Inaugural Paediatric Respiratory and Sleep Medicine Symposium organized by KK Women's and Children's Hospital, Singapore. 8<sup>th</sup> – 10<sup>th</sup> March 2019.
3. 30<sup>th</sup> National conference of Respiratory chapter of Indian academy of Pediatrics (RESPICON). IAP Respiratory Chapter. Indore, Madhya Pradesh. 24-25<sup>th</sup> November 2018.
4. Delhi RESPICON 2018. Lady Harding Medical College and Kalawati Saran Children's Hospital, New Delhi on 19th August 2018.

**Name of Faculty: Dr. Varuna Vyas**

**Designation: Assistant Professor**

### Books/Chapters

1. Vyas V, Jain V. Disorders of Sex Development in Recent Advances in Pediatrics- Hot Topics Volume 26, Gupte S, Jaypee Brothers Medical Publishers Pvt. Limited 2019

### Papers Presented:

1. Vyas V, Khera D. Poster Anasarca and difficult to treat colitis in an adolescent with newly diagnosed Type 1 diabetes mellitus following the resolution of diabetic ketoacidosis at ISPAD 2018, Hyderabad, 11-14<sup>th</sup> October, 2018.

**Invited Lectures**

1. Growth Hormone Deficiency, Skeletal Dysplasia and short stature syndromes, AIIMS Pediatric endocrinology CME, All India Institute of Medical Sciences New Delhi, 1<sup>st</sup> July, 2018
2. Prevention of Pneumonia in children ICMR- AIIMS Jodhpur 1<sup>st</sup> CME on Community Acquired Pneumonia in children, June 2018.

**Symposium Speaker**

1. Speaker and Panelist for Public awareness lecture and Panel Discussion on Diabetes in Children, held on the occasion of World Diabetes Day and Children's Day Public Lecture All India Institute of Medical Sciences, Jodhpur on 14<sup>th</sup> November, 2018.
2. Panelist for Public awareness lecture on Thyroid Disorders held at AIIMS Jodhpur on 26<sup>th</sup> July, 2018.

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

1. Anthropometric Profile, Growth and Puberty in children with type 1 Diabetes Mellitus

**Scientific Awards/Patents**

1. Selected by Pediatric Endocrine Society for the International Scholars Program Award for the year 2019. The award consists of a scholarship of USD 8000 to visit a center in North America for a period of 3 months to observe and learn Pediatric Endocrinology- Visited C.S. Mott Children's Hospital, University of Michigan for the same from March 8, 2019 to June 8, 2019.
2. Awarded the certificate of Merit and trophy workshop for scoring the highest marks in the two day training program on "Good Clinical Practice, current regulatory and ethical requirements for conducting clinical trials/ research in India including Schedule Y" organized by the Department of Pharmacology, All India Institute of Medical sciences, Jodhpur

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

1. Member – International Society for Pediatric and Adolescent Diabetes
2. Member- European Society of Pediatric Endocrinology

**National/ International Conferences attended:**

1. Good Clinical Practice, current regulatory and ethical requirements for conducting clinical trials/ research in India including Schedule Y" organized by the Department of Pharmacology, All India Institute of Medical sciences, Jodhpur August 04-05, 2018.
2. International Society for Pediatric and Adolescent Diabetes annual conference 2018, Hyderabad October 14-18, 2018
3. 3<sup>rd</sup> South Asia and 19<sup>th</sup> Asia LSD (Lysosomal Storage Disorders) symposium held in New Delhi, April 20-22, 2018
4. Growth Hormone Research society Symposium, New Delhi April 28-29, 2018.
5. AIIMS Jodhpur, Pediatric Pulmonology Update, AIIMS Jodhpur January 20, 2019
6. Growth Hormone Research society National Symposium on Growth, Pediatric and Adolescent Endocrinology, Apollo Hospital New Delhi, June 9-10, 2018

**Name of Faculty: Dr. Aliza Mittal**  
**Designation: Assistant Professor**

**Chapters:**

1. Mittal A and Sureka B. X-Rays in Pediatrics. Revised PGDMCH Module for IGNOU
2. Sethi S, Mittal A, Raina R. Drug therapy in Renal Dysfunction. In IAP speciality series on Pediatric Nephrology, Anand S Vasudev 3<sup>rd</sup> Edition, New Delhi, Jaypee 2018, page nos 327
3. Mittal A, Kalra S. Drug dosing in critically ill patients with Acute Kidney Injury. In IAP Textbook of Pediatric and Neonatal Emergencies, Nitin Chawla, 1<sup>st</sup> Edition, New Delhi, Jaypee, 2018, Page nos 36 to 52

**Papers and Posters Presented:**

1. Mittal A, Nalwa A, Singh K. Wasp sting Induced Nephrotic Syndrome ISPNCON 2-3 December 2018, Rainbow Hospital, Hyderabad
2. Mittal A, Khera D, Vyas V, Choudhary B, Singh K. Dangerous Hyperkalemia in a Newborn. ISPNCON 2-3 December 2018, Rainbow Hospital, Hyderabad
3. Mittal A, Kaushik A, Singh K. Knowledge, Attitude and Practices regarding renal health among caregivers of children with renal diseases coming in Pediatric Nephrology Clinic-. ISPNCON 2-3 December 2018, Rainbow Hospital, Hyderabad

**Sessions Chaired:**

1. Panelist for the Children's Day and Diabetes day public lecture-Panel Discussion as Pediatric Nephrologist at AIIMS Jodhpur on 14<sup>th</sup> November 2018.

**Invited Lectures**

1. Antenatal –Hydronephrosis- Role of a Pediatrician, 2<sup>nd</sup> Pediatric Nephrology Update, AIIMS Bhopal, 16<sup>th</sup> March 2019.
2. Pediatric Hypertension, Ped Neph Con , 12<sup>th</sup> January 2019 , Hotel Radisson Blue, Indore
3. AKI in Children, Nephrology in a Nutshell-CME, Department of Pediatrics at SN Medical college, Jodhpur, 16<sup>th</sup> September 2018.
4. Vaccination in Pulmonary Infections, ICMR-AIIMS Jodhpur, 1<sup>st</sup> CME on community acquired Pneumonia in children, AIIMS Jodhpur, June 2018.
5. Antenatal Hydronephrosis- case based reviews, 10<sup>th</sup> Annual training Course in Pediatric Nephrology, Division of Pediatric Nephrology, AIIMS, New Delhi, April 2018

**Resource Faculty:**

1. Dialysis prescription - hands on workstation , "Critical Care Pediatric Nephrology and Pediatric Dialysis Course, New Delhi, August 2018 organized by Kidney health education and research society.
2. Peritoneal Dialysis -hands on Workstation, ISPNCON-2018, Hyderabad from 2-3 December 2018
3. Member of the Working Group on Long-term Outcome of Nephrotic Syndrome, formed for revising the Guidelines on Nephrotic Syndrome, AIIMS Delhi held in March –April 2019



4. “Principles of assessment and Theory Assessment” Faculty Sensitization program, AIIMS Jodhpur, April 2019.
5. Puberty Growth and Development in Adolescents- Resource faculty for the “Flip 2 empower” Project supported by Grand Challenges Canada, on Adolescent Sexual and Reproductive Health from Department of Pediatrics where I am actively involved in training of teachers and preparing online as well as paper based modules for children.

#### **Research Project:**

##### **❖ Ongoing:**

##### **➤ 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
2. Endothelial dysfunction in children with CKD- Associating Circulating endothelial cells & markers of Mineral bone disease with endothelial function and atherosclerosis. – Intramural project
3. Indian Pediatric Chronic Kidney Disease Registry- Chief Investigator from AIIMS Jodhpur centre  
Research on Nephrotic Syndrome: Participation in the Registry and Longitudinal Study Cohorts for Patients with Nephrotic Syndrome- Ongoing multicentric registry Chief investigator from AIIMS Jodhpur centre

##### **➤ As Co-Investigator**

1. Hypertension among adolescents with signs and symptoms of stress using ambulatory blood pressure monitoring- PG Thesis
2. To evaluate the use of urinary proteins, Neutrophil Gelatinase-Associated Lipocalin(NGAL), Monocyte Chemoattractant Protein-1(MCP-1) and Interleukin-6(IL-6) as biomarkers in Hydronephrosis and Hydroureteronephrosis in the paediatric population.

##### **❖ 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 Oct 2018**

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

1. Membership of **PRESIDE**- Pediatric Research and Education society of India
2. Became National Faculty for ISPN- Indian Society of Pediatric Nephrology in 2018
3. Member of the IPNA- International Pediatric Nephrology Association

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

1. Introductory Course on Evidence Based Medicine”- Research Cell at AIIMS Jodhpur, March-April 2019
2. “Mentorship Workshop” Dean Academics Office, February 2019, AIIMS Jodhpur
3. ISPNCON 2018, Indian Society of Pediatric Nephrology at Hyderabad 2-3<sup>rd</sup> December 2018
4. PEDNEPHCON 2019 by Apollo Hospital at Indore 13<sup>th</sup> January 2019

5. 2<sup>nd</sup> Pediatric Nephrology update , by Department of Pediatrics at AIIMS , Bhopal on 16<sup>th</sup> March 2019
6. Critical Care Pediatric Nephrology and Dialysis Course workshop by Kidney Health Education and Research Society at , New Delhi on 4<sup>th</sup> August 2018
7. Nephrology in a Nutshell workshop ,by Marwar Pediatric Society and IAP at SN Medical College, Jodhpur on 16<sup>th</sup> September 2018

**Name of Faculty: Dr. Siyaram Didel**  
**Designation: Assistant Professor**

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

1. Life Member of Indian Academy of pediatric Hemato-oncology (MPHO)

#### **Conferences/Workshops Organized by the Department**

##### **AIIMS Pediatric Pulmonology Update**

Department of Pediatrics, AIIMS, Jodhpur organised first Pediatric Pulmonology Update on 19-20 January, 2019. On 19<sup>th</sup> January workshop on paediatric spirometry and cystic fibrosis meet was conducted. Renowned Paediatric Pulmonologist and cystic fibrosis specialist Prof S.K. Kabra was present to answer the queries of parents. Around 20 parents attended the meeting. Spirometry workshop was conducted by faculties from Chest Research Foundation, Pune and attended by 40 delegates. Main update was organised on January 20, 2019 which included topic related to acute and chronic respiratory diseases. Professor S.K. Kabra, AIIMS, New Delhi, Professor Meenu Singh, PGI, Chandigarh and Professor B.S. Sharma, SMS, Jaipur were main faculties along with local faculties. A panel discussion on paediatric TB was also conducted which was appreciated by delegates. Around 60 delegates from different part of Rajasthan attended the update. Written feedback of participant was also taken at the end. All participants highly appreciated this academic activity. The program was graced by the presence of Prof Kuldeep Singh, Dean (Academic).



Faculty lecture during the workshop

### Update on Pediatric TB on World TB DAY

Update on RNTCP Pediatric tuberculosis Guidelines 2019 was organized on 25 March 2019 at 3-5 am in Multipurpose Hall, second floor, AIIMS Jodhpur, in which around 100 delegates from different specialities of AIIMS Jodhpur, S.N. Medical college, Jodhpur as well as private practitioners participated. After welcome speech by Dean and Head of Department of Paediatrics, Dr Kuldeep Singh, first talk on “What is new in diagnosis in Pediatric tuberculosis” was taken by Dr Daisy Khara, Associate Professor, Department of Pediatrics followed by talk on “What is new in the management of Pediatric tuberculosis” taken by Dr Jagdish Prasad Goyal, Additional Professor, Department of Pediatrics followed by high tea.

After that talk on “Notification of tuberculosis” was taken by Fellow in Pediatric Pulmonary medicine, Dr Sachin Singh, it was followed by queries of delegates which was answered by Dr Jagdish Goyal and Dr Daisy Khara



Faculty and delegates in the session on World TB day

### Update on GINA 2019 on World Asthma Day

Update on GINA 2019 guidelines was organized on May 7, 2019 in Multipurpose Hall, second floor, AIIMS Jodhpur, in which around 70 delegates from different specialities of AIIMS Jodhpur, S.N. Medical college, Jodhpur as well as private practitioners participated. The first talk on “What is new in GINA 2019” was taken by Dr Jagdish Goyal, Additional Professor, Department of Pediatrics followed by panel discussion on Paediatric Asthma. Dr Anurag Singh, Prof and Head, Department of Paediatrics, SNMC, Jodhpur, Dr Jagdish Goyal, Additional Professor, AIIMS, Jodhpur, Dr Prawin Kumar, Associate Professor, Department of Paediatrics, AIIMS, Jodhpur were the panellist. Panel discussion was conducted by Dr Sarurabh Jain. The queries of participants were addressed. Different devices for aerosol therapy were demonstrated. Dr Kuldeep Singh, Professor and Head, Department of Paediatrics and Dean, AIIMS, Jodhpur also graced the occasion.

Programme was ended by Group photograph.



Faculty and delegates during the session on World Asthma Day

## Department of Pharmacology

S.No.	Name	Designation
1	Dr. Sneha Ambwani	Professor & Head
2	Dr. Surjit Singh	Associate Professor
3	Dr. Pradeep Dwivedi	Assistant Professor
4	Dr. Jaykaran Charan	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 didlectures 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, paramedical and science students to apply basic principles of pharmacology and therapeutics to practice 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)

The Department of Pharmacology is a designated “Adverse Drug Monitoring Center” (AMC) under “Pharmacovigilance Programme of India” (PvPI) since 2014. The Department has contributed 1153 adverse drug reactions (ADRs) so far to Vigi Flow database and 360 ADR reports in year 2018-19. For optimum functionality of AMC, department is regularly conducting seminars among the institute’s faculty, residents, nursing and pharmacy staff regarding Pharmacovigilance and ADR reporting. Department is also planning to establish a “Toxicovigilance, Hemovigilance & Materiovigilance 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. Also Ultra-High performance liquid chromatography (UHPLC) is installed and 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.

Steps are being taken to establish a CPCSEA certified “Animal house” which is 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.

Apart from this, faculty & residents have attended and presented poster/ oral paper at various conference venues across the country.

The department had 4 senior and 7 academic junior residents. The department has four approved M.D. seats and three M.D. students have joined the department in 2018-19 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.

#### Compiled list of Publications of the department:

##### Pubmed:

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. 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” *Journal of Young Pharmacists* Vol 11, Issue 2, Apr-Jun, 2019
3. Singh S, NK Kumar, P Dwivedi, J Charan, R Kaur, P Sidhu, VK Chugh. Monoclonal Antibodies: A Reivew. *Current clinical pharmacology* 13 (2), 85-99.
4. Rustagi N, Singh S, Dutt N, Kuwal A, Chaudhary K, Shekhar S, Kirubakaran K. Efficacy and Safety of Stent, Valves, Vapour ablation, Coils and Sealant Therapies in Advanced Emphysema: A Meta-Analysis. *Turk Thorac J.* 2019;20(1):43–60. Published 2019 Jan 1. doi:10.5152/TurkThoracJ.2018.18062
5. Chugh V, Singh S, Chugh A, Tandon P. Letter to the editor - Dental Survival rate of two orthodontic bonded retainer wires. *American Journal of Orthodontics and Dentofacial Orthopedics* 155 (1), 4-5.
6. Kaur R, Singh S, Sidhu P, Sharma PK. TGN-1412 and BIA-2474 Trials with Tragic End: Lessons Learnt To Make Clinical Trials Safer. *Rev Recent Clin Trials.* 2018;13(4):252-256.
7. Bhandari B, Mehta B, Singh S. Implementation and Evaluation of Priming as a Teaching-learning Tool for Enhancing Physiology Learning among Medical Undergraduates. *Indian J PhysiolPharmacol* 2019; 63(1): 37-41.
8. Sharma PK, Misra AK, Gupta A, Singh S, Dhamija P, Pareek P. A retrospective analysis of reporting of adverse drug reactions to oncology drugs: An experience from a national center of clinical excellence. *Indian J Pharmacol*2018;50:273-8.

9. Chikara G, Sharma PK, Dwivedi P, Charan J, Ambwani S, Singh S. A Narrative Review of Potential Future Antidiabetic Drugs: Should We Expect More? *Ind J ClinBiochem* (Apr-June 2018) 33(2):121–131.
10. Sharma PK, Misra AK, Gupta A, Kumar R and Singh S. Drug Induced Reaction: Dilemma of Finding a Real Culprit. *Annals of Pharmacology and Pharmaceutics* 2018; 3 (4): 1155.
11. Charan J, Dhanani JV, Doshi MS, Reljic T, Tsalatsanis A, Kumar A. Drug approval in India does not match the disease burden: A cross-sectional study. *J PharmacolPharmacother.* 2018;9: 6-10
12. Bajpai NK, Bajpayee A, Charan J, Pareek P, Elhence P, Kirubakaran R. Interventions for treating antibody-mediated acute rejection in kidney transplant recipients (Protocol). *Cochrane Database of Systematic Reviews* 2018, Issue 5.

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

1. Gupta A, Sharma PK, Misra AK, Singh V, Midha NK, Kumar B, Singh S. Efficacy, Safety and Cost-effectiveness Comparison of Rosuvastatin 5mg with Atorvastatin 20mg in Hypercholesterolaemic Patients: A Prospective Open Label Clinical Study *AdvClin Endo Met*, 1(1): 07-15 (2018)
2. Charan J, Bhavisha N Vegada. Prediction of scores in pharmacology in the second MBBS university examination based on previous academic performance and gender of the students: A pilot study. *Natl J Physiol Pharm Pharmacol.* 2019; 9(2): 183-186

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

1. Organized workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y” at AIIMS, Jodhpur, 4<sup>th</sup>-5<sup>th</sup> Aug 2018.

A workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y” organized by the department. To attend this conference total 125 delegates are participated from 24 different institutions. This conference was inaugurated by Dr. Sanjeev Mishra, Director AIIMS Jodhpur. This workshop primarily focused to train the delegates on recent national ethical guidelines and current ethical requirement for conducting clinical trials in India along with principles of GCP, current regulatory requirements for conducting clinical trials, roles and responsibilities of different stakeholders in clinical trials and other topics incidentally related to the conference topic. Speakers came to deliver lecture are specialist in their delegated topics. Prominent speakers are Dr. Nandini K. Kumar, former Deputy Director General of ICMR, Dr. Sucheta Banerjee Kurundkar, Director Training at CDSA and others. Delegates are involved in different exercises, case studies, and group activities. Prize distribution and closing remarks are made by Dr. Kuldeep Singh, Dean (Academics), AIIMS, Jodhpur.



Inaugural ceremony of the workshop



Enthusiastic participants



**Name of Faculty: Dr. Sneha R Ambwani**  
**Designation: Professor and Head**

**Papers Presented:**

**Presentations**

1. To Study the Correlation of Vitamin D and Metabolic Syndrome in schizophrenia: American Society for Pharmacology and Experimental Therapeutics(**ASPET**) **Experimental Biology 2019** April 6-9, 2019. **Orlando, Florida, USA** (Accepted for Poster presentation)

**Sessions Chaired/Judge/Panelist:**

1. Panellist: Antimicrobial Resistance: Complex Problem V/S Complex Solution: CME on "Antimicrobial Resistance: The Global Threat" at AIIMS, Jodhpur 01st-2nd February 2019
2. Chaired a session in Oral Paper Presentations: in CME on "Antibiotic Resistance: The Global Threat" at AIIMS, Jodhpur 01st-2nd February 2019.
3. Panellist: HIV Drug Resistance in HIV Symposium: Clinical Challenges in HIV/AIDS Care, at AIIMS, Jodhpur, 30th September 2018.
4. Chaired a session in International Conference on "Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges & Future prospective" at V.V. Institute of Pharmaceutical Sciences, A.P. 25th -26th September 2018

**Invited Lectures:**

1. Role of Pharmacokinetics & Pharmacodynamics In Antimicrobial Stewardship Programme: Strategies To Prevent Emergence Of Antimicrobial Resistance: CME on "Antibiotic Resistance: The Global Threat" at AIIMS, Jodhpur 01st-2nd February 2019
2. Correlation between Serum Levels of Vitamin D & Schizophrenia: Symposia Speaker of 64th Annual National Conference of Association of Physiologist & Pharmacologist of India. Advance Horizons of Medical Physiology & Pharmacology in Research & Teaching, at Manipal Medical College, Karnataka on 29th-30th November & 1st December 2018.
3. Integrated Teaching: An Innovative Mode of Teaching in Higher Education: Workshop on "Recent Advances in Teaching & Research Methodology in Pharmaceutical Sciences" at LMC of Science & Technology, Jodhpur 27th -29th September 2018.
4. Good Clinical Practice: Ethics & Safety Issues In Clinical Trial: International Conference on "Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges & Future prospective" at V.V. Institute of Pharmaceutical Sciences, A.P. 25th -26th September 2018
5. Conflict of interest & Bibliography: Workshop on "Research Methodology & Scientific Paper Writing" at Dr. S.N. Medical College Jodhpur 18-19 August,2018

**Resource Faculty:**

1. Resource faculty for Workshop on "Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y".

2. Resource faculty Workshop on “Research Methodology & Scientific Paper Writing” at Dr. S.N. Medical College Jodhpur 18-19 August,2018
3. Resource faculty for workshop on Protocol Design & introduction to Evidence based Medicine for PGs & PhD Students.
4. Resource faculty Member of Institutional Medical Education Unit & participated in various faculty development programmes.
5. Resource faculty of International Conference on “Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges & Future prospective” at V.V. Institute of Pharmaceutical Sciences, A.P. 25th -26th September 2018
6. Resource faculty of CME/Workshop on “Recent Advances in Teaching & Research Methodology in Pharmaceutical Sciences” at LMC of Science & Technology, Jodhpur 27th - 29th September 2018. Member of Institutional Medical Education Unit & participated in various faculty development programmes.

### **Research Projects:**

#### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. To study Cardio metabolic Inflammatory & Cognitive effect of chronic Cannabis use in population of Western Rajasthan: A Retrospective Cohort Study.
2. To study the compliance & effectiveness of daily regimen of iron & folic acid (FDC) tablets in mild & moderate anemia among adolescent girls & women in reproductive age group.
3. Perception of students in different phases of medical educational environment, using Dundee Ready Education Environment measure (DREEM) inventory.
4. Study of vitamin D level and cardio metabolic abnormalities in patients with schizophrenia and bipolar disorders.

##### **➤ As Co-Investigator**

1. Assessment of hypocholesterolemic and antiatherosclerotic effect of various extracts of Acacia senegal seeds in experimentally induced atherosclerotic rabbits
2. Correlation of circulating endothelial progenitor cell with endothelial function in cases with metabolic syndrome.
3. All India Institute of Medical Sciences, Jodhpur: Regional Centre for Antimicrobial Resistance Surveillance Network. (ICMR Project).
4. Use of Complementary and Alternative Medicines (CAM) and worsening of kidney failure: A case control study.

#### **❖ Completed:**

##### **➤ As Principal Investigator –**

1. Health implication of chronic cannabis use.
2. “A study on prescribing pattern of drugs in geriatrics population using beers criteria at a tertiary care teaching hospital.”

➤ **As Co-Investigator**

1. An open labelled prospective study on efficacy of daily & weekly dose of vitamin D in adult population at a tertiary care teaching hospital.
2. Opinion of OPD patients & clinicians about the prescription of generic drugs: A cross –sectional study.

**Scientific Awards/Patents:**

1. Awarded “The international Certificate on Principles of Bioethics & human Rights” after Completion of online Certificate Course on Bioethics, Under UNESCO Chair Bioethics (Haifa) Oct 2018
2. Awarded by “BHARAT VIKAS AWARD” December 2018

**Examinership:**

Examiner ship/Paper Setter: M.D. / MBBS

1. Rajasthan University of Health Sciences, Rajasthan
2. King George’s Medical University, Lucknow(UP)
3. JIPMER, Puducherry
4. AIIMS, Patna

**M.D. Thesis Checking**

1. Vardhaman Medical College, New Delhi.
2. King George’s Medical University, Lucknow(UP)

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

1. Life member of Indian Society of Clinical Research (ISCR) 2018
2. Reviewer Indian Journal of Physiology & Pharmacology.
3. Reviewer Metabolic Syndrome & Related Disorders.
4. Reviewer International Journal of Applied & Basic Medical Research
5. Reviewer Indian Journal of Urology
6. Reviewer Journal of Indian Academy of Geriatrics

**National/ International Conferences attended:**

1. Workshop on Mentorship at AIIMS, Jodhpur on 15th February 2019.
2. CME on “Antibiotic Resistance: The Global Threat” at AIIMS, Jodhpur 01st-2nd February 2019.
3. Joint Leadership Conclave 2018 at AIIMS, Jodhpur on 3rd-4th December 2018.
4. 64th Annual National Conference of Association of Physiologist & Pharmacologist of India. Advance Horizons of Medical Physiology & Pharmacology in Research & Teaching, at Manipal Medical College, Karnataka on 29th-30th November & 1st December 2018.
5. HIV Symposium: Clinical Challenges in HIV/AIDS Care, at AIIMS, Jodhpur, 30th September 2018.

6. International Conference on “Pharmaceutical & Clinical Research in India: Current Scenario, Opportunities, Challenges & Future prospective” at V.V. Institute of Pharmaceutical Sciences, A.P. 25th -26th September 2018
7. Workshop on “Research Methodology & Scientific Paper Writing” at Dr. S.N. Medical College Jodhpur 18-19 August,2018
8. Workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y”.at AIIMS, Jodhpur,4<sup>th</sup> -5<sup>th</sup> Aug 2018

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

1. Organized workshop on “Good Clinical Practice: Current Regulatory & Ethical requirement for conducting clinical trials/research in India including Schedule Y”at AIIMS, Jodhpur, 4<sup>th</sup> -5<sup>th</sup> Aug 2018.

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

1. Completed the “3T-IBHS Training Course for Health Science Faculty”, at AIIMS, Jodhpur.
2. Appointed as an Assessor to assess the physical & other teaching facilities at Muzaffarnagar Medical College, Muzaffarnagar by Medical council of India.

**Name Of Faculty: Dr. Surjit Singh**  
**Designation: Associate Professor**

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

1. Chapter 1: Gupta A, Singh S. Antiepileptic Drugs. In Advance in Neuropharmacology – Drugs and Therapeutics. Apple Academic Press. CRC press: Taylor and Francis group.

#### **Resource Faculty:**

1. Resource faculty for “American Heart Association (AHA) Certified BLS and ACLS Provider Course” to participants, organized by IAMS, at Geetanjali Medical College, Udaipur, Rajasthan from 4<sup>th</sup> to 9<sup>th</sup> October 2018.
2. Resource faculty for AHA Certified BLS ACLS Instructor Course conducted at AIIMS Jodhpur, from 17<sup>th</sup> – 19<sup>th</sup> August 2018.
3. Resource faculty for “Protocol Design and Introduction to Evidence Based Medicine” for PGs and MPH Students at AIIMS Jodhpur, conducted on 18<sup>th</sup> and 19<sup>th</sup> March, 2019.
4. Resource Faculty in “AKSHICON-II” organized by Department of Ophthalmology, AIIMS Jodhpur, from 8-9<sup>th</sup> December 2018.

#### **Research Projects:**

##### **❖ Ongoing:**

##### **➤ As Principal Investigator**

1. Post-operative bleeding in patients on Aspirin therapy regimens: An Observational Study
2. A cross sectional survey of knowledge, attitude and practice of clinical research principles among doctors in tertiary care hospital

3. 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. Determination of Vitamin D reference level in Healthy Population in Urban Rajasthan

➤ **As Co-Investigator –**

1. Prevalence of zinc deficiency and the effect of zinc supplementation on prevention of Acute Respiratory infections in preschool children: An observational study.
2. Determination of Vitamin D reference level in Healthy Population in Rural Rajasthan

**Examiner ships:**

1. External Examiner for the conduct of Final M.B.B.S Examination at Dr. S.N. Medical College, Jodhpur, from 5<sup>th</sup> to 8<sup>th</sup> March 2019.
2. External Examiner for the conduct of Final M.B.B.S Examination at Dr. S.P. Medical College, Bikaner, from 11<sup>th</sup> to 14<sup>th</sup> March 2019.

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

1. Membership of the American College of Clinical Pharmacology.

**National/ International Conferences attended:**

1. “Workshop on Mechanical Ventilation” organized by Department of Anesthesiology and Critical Care, on 12th May 2018.
2. “Good Clinical Practice – Current regulatory and ethical requirements for conducting clinical trials/research in India including Schedule Y” organized by Department of Pharmacology, AIIMS Jodhpur, from 4th to 5th August 2018.
3. Workshop on “Advance Level Evidence Based Medicine” organized by Department of Biostatistics, CMC, Vellore, from 18th to 20th September 2018.
4. Workshop on “Current trends in Genomic and Molecular Medicine” The first Indo-UK Training workshop, organized by Molecular Biology Unit, KGMU, Lucknow, from 19th to 21st November 2018.
5. “Joint Leadership Conclave 2018” organized by AIIMS Jodhpur in collaboration with IIT Jodhpur, from 3-4th December 2018.
6. Workshop on “Canvas on Clinical Pharmacology Workshop -2019”, organized by Department of Clinical Pharmacology, Seth GS Medical College & KEM Hospital, Mumbai, from 28th January to 1st February 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: Assistant Professor**

**Papers Presented:**

1. Dwivedi P, Yadav SS, Hussain S, Pant KK, Usman K, Khattri S. Linagliptin-A Dipeptidyl Peptidase-IV Inhibitor on Lipid And Adipokine Level In Type 2 Diabetes Mellitus. ASCB EMBO 2018 MEETING, 7-12th December 2018, San Diego, CA, USA. [POSTER]
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. South East Lipid Research Conference on 1st-3rd Nov., Vanderbilt University-Nashville, TN, USA. (Accepted) [POSTER]
3. Dwivedi P, Yadav SS, Hussain S, Usman K, Khattri S, Pant KK. Effect of Add On Linagliptin on Glucagon Level in Type 2 Diabetes Mellitus. International Congress of Diabetes and Metabolism on 11-13 Oct 2018, Seoul, South Korea. [POSTER]

**Resource Faculty:**

1. Faculty Development Program, 4th April 2018 at AIIMS Jodhpur.
2. Preparation for Internship (IMPRINT) program for Interns 3rd January, 2019.
3. Introductory Course on Evidence Based Medicine scheduled from 26th March to 04th April, 2019, AIIMS Jodhpur.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. Correlation of circulating endothelial progenitor cells with endothelial function in cases with Metabolic Syndrome.

➤ **As Co-Investigator:**

1. To study Vitamin D level in Schizophrenia patients.
2. To study various herbal preparation in atherosclerosis in rabbit model.

❖ **Completed:**

➤ **As Co-Investigator**

1. To study change in IOP, Retinal ganglion cell thickness & visual field with various Yoga Practices.
2. Prevalence of and risk factors for Dry eye in the patients attending Ophthalmic OPD at AIIMS, Jodhpur.

**Scientific Awards/Patents:**

1. Travel Grant (850USD) for attending ASCB|EMBO 2018 Meeting in San Diego, CA from December 8-12, 2018. (Granted By EMBO-European Molecular Biology Organization)
2. Travel Grant (1000USD) for attending International Congress of Diabetes and Metabolism on 11-13 Oct 2018, Seoul Korea. (Granted By Korean Diabetes Association)

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

1. Member- European Atherosclerosis Society
2. Member- American Society for Cell Biology

**National/ International Conferences attended:**

**International:**

1. International Congress of Diabetes and Metabolism on 11-13 Oct 2018, Seoul, South Korea.
2. American Society of Cell Biology | European Molecular Biology Organization (ASCB|EMBO) 2018 Meeting in San Diego, CA, USA from December 8-12, 2018.

**National:**

1. The Wellcome Trust/DBT India Alliance Science Communication Workshop Held at Indian Science Academy (INSA) Delhi on 24-25 Sep 2018.

**Organized Conference/Workshop:**

1. Organizing Member: Joint Leadership Conclave 2018, 2 Days Leadership Conclave on Health Technologies, AIIMS Jodhpur on 3-4th Dec 2018.
2. Organizing Secretary: National Workshop on GOOD CLINICAL PRACTICE, Current regulatory and ethical requirements for conducting clinical trials/research in India at AIIMS Jodhpur on August 04-05, 2018.

**Any other information:**

**Appointment:**

1. Member of Bioethics Unit of the International Network of the UNESCO Chair in Bioethics, Bioethics Unit at All India Institute of Medical Sciences (AIIMS) Jodhpur.

**International Training:**

1. Trained in "Principles and Practice of Clinical Research" under aegis of US NIH, DBT, ICMR at Hyderabad, India, April 16-21, 2018.

**Name of Faculty: Dr. Jaykaran Charan**

**Designation: Assistant Professor**

**Papers Presented:**

1. Charan J, Shukla R, Bajpai N, Bhardwaj P, Ambwani S. Association between consumption of complementary and alternative medicines (CAM) and deterioration of kidney functions in patients of diabetes. 7<sup>th</sup> International Congress on Lipid & Atherosclerosis (ICoLA2018), Seoul, South Korea, 31<sup>st</sup> August – 1<sup>st</sup> September 2018.
2. Charan J, Shukla R, Bajpai N, Bhardwaj P, Ambwani S Use of Complementary and Alternative Medicines in patients of diabetes in India. International Congress of Diabetes Mellitus, Seoul, South Korea, 11-13<sup>th</sup> Oct 2018.

3. Charan J, Bhardwaj P, Goyal J. Effect of Carica papaya leaf extract on platelet counts in patient of dengue. 2019 Korean Society of Hematology International Conference & 60<sup>th</sup> Annual Meeting, Seoul, South Korea, 14-16<sup>th</sup> March 2019,.
4. Charan J et al. Drug approval in India does not match the disease burden: A cross-sectional study. 8<sup>th</sup> World Congress of Basic and Clinical Pharmacology (WCP2018), Kyoto, Japan, 1-6<sup>th</sup> July 2018.

### **Research Projects:**

#### **❖ Ongoing:**

#### **➤ As Principal Investigator**

1. Perception of physicians, pharmacists and patients about the prescription of generic drugs in Patan city – ICMR
2. Assessment of hypocholesterolemic and antiatherosclerotic effect of various extracts of Acacia senegal seeds in experimentally induced atherosclerotic rabbits.
3. Pharmacotherapy of resistant hypertension in adults – Cochrane Review.
4. Interventions for treating antibody-mediated acute rejection in kidney transplant Recipients

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

1. Travel Grant – The 7<sup>th</sup> International Congress on Lipid & Atherosclerosis (ICoLA 2018), Seoul, South Korea. 31<sup>st</sup> Sept to 1 Aug 2018.
2. Travel Grant – International Congress of Diabetes Metabolism (ICDM 2018) – Seoul, South Korea. 11-13 Oct 2018.
3. Travel Grant – 2019 Korean Society of Hematology International Conference & 60<sup>th</sup> Annual Meeting, Seoul, South Korea, 14-16 March 2019.

### **Examiner ship**

1. UG Examination at GMERS Medical College, Valsad

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

1. The 7<sup>th</sup> International Congress on Lipid & Atherosclerosis (ICoLA 2018), Seoul, South Korea. 31<sup>st</sup> Sept to 1 Aug 2018.
2. International Congress of Diabetes Metabolism (ICDM 2018) – Seoul, South Korea. 11-13 Oct 2018.
3. 2019 Korean Society of Hematology International Conference & 60<sup>th</sup> Annual Meeting, Seoul, South Korea, 14-16 March 2019.
4. 4.8th World Congress of Basic and Clinical Pharmacology (WCP2018), July 1- July 6 2018. Kyoto, Japan.



## Department of Physical Medicine and Rehabilitation

S. No.	Name	Designation
1.	Dr. Abhay Elhence	Professor & Head
2.	Dr. Ravi Gaur	Associate Professor
3.	Dr. Nitesh Gonnade	Assistant Professor

### 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.

New equipments are installed in our department including Percussion unit.

Total numbers of OPD patients has also shown stiff rise with 27,138 new patients and 18,526 Follow-up patients.

Department under guidance of Dr. Abhay Elhence the department has shown progress in IPD management and continued its services towards Rehabilitation. There were a total of 440 patients admitted for neurorehabilitation and pain management.

As an hospital outreach program Dr. Ravi Gaur took public awareness lecture at Indira Yog pratisthan on “Degenerative disease of joints in old age”.

Department has also boosted its interventional pain management in collaboration with Radiology department approximately 1015 interventions in past 1 year.

All in all, it would be fair to say that the department of Physical Medicine and Rehabilitation at AIIMS Jodhpur has shown good progress on all fronts.

### Papers

#### Pubmed Indexed:

- Gonnade N, Bajpayee A, Elhence A, Lokhande V, Mehta N, Mishra M, Kaur A-Regenerative efficacy of therapeutic quality platelet-rich plasma injections versus phonophoresis with kinesiotaping for the treatment of chronic plantar fasciitis: A prospective randomized pilot study Asian J Transfus Sci. 2018 Jul-Dec; 12(2): 105–111.

**Name of Faculty: Dr. Ravi Gaur**  
**Designation: Associate Professor**

**Membership of societies:**

1. Indian Society for the Study of Pain

**Name of Faculty: Dr. Nitesh Gonnade**  
**Designation: Assistant Professor**

**Research Projects:**

❖ **Ongoing**

➤ **As Principal Investigator:**

1. Effect of steroid vs steroid mixed with Hyaluronidase in management of CTS
2. The impact of diabetic neuropathy on balance, planter pressure distribution and risk of fall correlation with NCV in type 2 diabetes mellitus – An observational study (2017-2018)
3. 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

## 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	Associate Professor
6	Dr. Prasunpriya Nayak	Associate Professor
7	Dr. Shival Srivastav	Assistant Professor
8	Dr. Pooja Ojha	Assistant Professor

### About the Department

The Department of Physiology in AIIMS Jodhpur is burgeoning ever since the establishment of this Institute. It has touched new horizons in the recent years, in terms of teaching methodology and research activities. Currently it comprises eight faculty members, six Postgraduate students and three senior residents.

Teaching (MBBS, MD and B Sc Nursing) and carrying out Excellency research are an integral part of the departmental activities. Besides, 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 Potential. The Department provides Intraoperative Neurophysiological monitoring (IONM) services to various departments. A state-of-art facility for Electroencephalographic recording and Cardiopulmonary Exercise testing is soon to be started.

Teaching is imparted to Undergraduate students while keeping attention on cognitive, psychomotor and affective domains of learning. Use of multimedia and modern technical advances in teaching methodology are preferred, simultaneously keeping traditional methods like chalk & board. Lectures are delivered systematically. Synchronization of theory and practical classes is maintained to the utmost level. This helps the students in obtaining a wider perspective about the topic. In tutorial classes, students are assessed for their depth of knowledge and they are encouraged to sort out their queries. Students are engaged in small group activities, group discussions and seminars to enhance their communication and interpersonal skills. Integrated teaching methodology helps the students in acquiring comprehensive and in-depth knowledge of the physiological mechanisms in clinical disorders.

Practical knowledge is imparted through hands-on experiments in clinical Physiology and hematological laboratories of the department. Students are briefed about the experiments followed by demonstration and hands-on procedure. They are sensitized for early clinical exposure through initiatives like visit to blood bank etc. Students are also encouraged to develop an understanding of research through ICMR Short term studentship projects. They are guided by the faculty members to channelize their potential in the right direction.

Formative assessment of undergraduates is through MCQ-based system completion tests and semester examinations. Performance in practical examination is assessed through Objectively Structured Practical Examination.

Besides teaching, faculty members are actively involved in research through intramural and extramural grants. Research on Zebra fish and rats are also being conducted in the department. Faculties of the Physiology department have taken initiative in doing research in collaboration with faculties of other departments and other prominent Engineering Institutes like IIT Jodhpur & MBM Engineering College.

Faculties regularly attend various National and International conferences, CMEs and workshops to keep themselves updated.

The Department has played a pivotal role in extending the Physiological techniques in teaching and research among Medical fraternity through Continued Medical Education & workshops. Eminent speakers from prominent Institutes of India graced the occasion.

### **Compiled list of Publications of the department:**

#### **Papers**

##### **Pubmed Indexed:**

1. Panda S, Verma D, Budania A, Bharti JN, Sharma RK. Clinical and laboratory correlates of selective autonomic dysfunction due to Ross syndrome. *Journal of Family Med Prim Care* 2019;8:1500-1503.
2. Dasari P, Nayak P. Correlation between regional oxidative stress markers of the cerebrum and spatial learning in tocotrienol-mediated protection against light-to-moderate doses of ethanol exposure. *Indian J Biochem Biophys* 2018;50:341-350.
3. Nayak P, Sharma SB, Chowdary NVS. Alpha-tocopherol supplementation restricts aluminium and ethanol induced oxidative damages in rat brain but fails to protect neurobehavioral damage. *J Diet Suppl* 2018;16(3):257-268.
4. 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 May 16 [Epub ahead of print].
5. Srivastav S, Jamil RT, Zeltser R. Valsalva maneuver. *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; Jun 7, 2019.

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

1. Bhandari B, Mehta B, Singh S. Implementation and Evaluation of Priming as a Teaching-learning Tool for Enhancing Physiology Learning Among Medical Undergraduates. *Indian J Physiol Pharmacol* 2019;63(1):37-41
2. Bhagat OL. Yogic Concepts of Holistic Health and Wellness. *J Adv Res Ayur Yoga Unani Sidd Homeo* 2018;5(1):15-18
3. Giri SY, Bhagat OL. Spiritual Health: Practical Tips from a Yogi. *J Adv Res Ayur Yoga Unani Sidd Homeo* 2018;5(1):4-7

4. Dasari P, Nayak P. Evaluation of varied modalities of tocotrienol supplementations to counter the cerebellar oxidative stress caused by low-to-moderate doses of ethanol in rats. *Int J Clin Exp Physiol* 2019;6(1):24-32.
5. Chakraborty A, Arvind A, Srivastav S, Bade G, Kaur S, Jain S. Demonstration of Nerve Muscle Preparation in Rats: For Nerve Muscle Physiology teaching. *Indian J Physiol Pharmacol* 2019;63(1):66-72.
6. Das A, Chakraborty A, Srivastav S, Kaur S, Jain S, Bade G. Study of Neuromuscular Transmission Under (i) Phenomenon of Fatigue, (ii) Site of Fatigue, (iii) Neuromuscular Blocking in an in-situ Rat Nerve Muscle Preparation: A Novel Approach to Nerve Muscle Physiology Experiment Teaching. *Indian J Physiol Pharmacol* 2019;63(1):79-85.

### **Workshops/ Conferences Organized**

The Department conducted following workshops & CME.

1. Invited CME & Workshop on Intraoperative Neurophysiological Monitoring (IONM) Current and Future Applications Organized by Department of Physiology and Neurosurgery at Auditorium, AIIMS Jodhpur, 4<sup>th</sup> Oct 2018
2. ICMR Workshop Series on Physiology Education Techniques 2018: IUPS Initiative, Northern Chapter, Department of Physiology, AIIMS, Jodhpur, 03<sup>rd</sup> - 05<sup>th</sup> Nov 2018.

### **Eminent Visitors:** for IUPS Workshop

1. Professor Julie Chan President, IUPS; Director, Department of Medical Research, Kaohsiung Chang Gung Memorial Hospital, Taiwan
2. Professor Jayasree Sengupta Chair, BGA-IUPS; Former Professor & Head, Physiology, All India Institute of Medical Sciences, New Delhi
3. Professor Susan Barman Vice-Chair, BGA-IUPS; & Professor, Department of Pharmacology & Toxicology, College of Human Medicine (CHM), Neuroscience Program, Michigan State University, Michigan, USA
4. Professor Debabrata Ghosh Convenor, Physiology Education Workshop 2018: IUPS Initiative; Professor, Department of Physiology, AIIMS, New Delhi
5. Professor Tony McKnight, Co-founder, Director of Education, AD Instruments.

**Name of Faculty: Dr. Sabyasachi Sircar**

**Designation: Professor & Head**

### **Sessions Chaired:**

1. Rajasthan Neurosciences Update 2019. Organized by Department of Neurosurgery, AIIMS, Jodhpur, 23<sup>rd</sup> - 24<sup>th</sup> March 2019.

**Name of Faculty: Dr. Rajesh Kumar Sharma**  
**Designation: Professor**

**Papers Presented:**

1. Singhal A, Sharma RK, Kamble PH, Ravichandran S, Singh YR. Comparison of nonlinear and linear heart rate variability parameters in diagnosis of cardiac autonomic neuropathy in patients of multiple system atrophy. Euro-Physiology 2018, London, UK, 14<sup>th</sup>-16<sup>th</sup> Sep 2018.
2. Sharma RK, Ravichandran S, Kamble PH, Singh YR. To evaluate the diagnostic efficacy of parasympathetic autonomic response latency in Type 2 Diabetes Mellitus. Euro-Physiology 2018, London, UK, 14<sup>th</sup>-16<sup>th</sup> Sep 2018.
3. Sharma RK, Sharma P, Sharma S, Ravichandran S, Kamble PH, Singhal A. Role of Vitamin D in the genesis of Cardiac Autonomic Neuropathy in Type 2 Diabetes Mellitus patients. International Conference of Association of Clinical Biochemists of India 2018, Goa, 24<sup>th</sup> to 27<sup>th</sup> Oct 2018.

**Sessions Chaired:**

1. Reforming Physiology Curriculum a case study for other medical disciplines, CME-cum-Workshop, All India Institute of Medical Sciences, Rishikesh, 28 July 2018.

**Invited Lectures:**

1. Vitamin D, Autonomic functions in Type II Diabetes Mellitus, North Zone Association of Clinical Biochemists of India 2018; 28 July 2018, AIIMS, Jodhpur, 28 July 2018.

**Symposium Speaker**

1. Clinical Experience of IONM at AIIMS Jodhpur, Jodhpur Neurosciences Meet, All India Institute of Medical Sciences, Jodhpur, 16<sup>th</sup> June 2018.
2. As a panelist, International Digital Health Symposium, New Delhi, 27<sup>th</sup> Feb 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. Evaluation of the relationship between pre-operative cardiac autonomic function and perioperative hypotension risk in diabetic patients undergoing surgery
2. Study of correlation between Peak Expiratory Flow rate (PEFR) and Valsalva Ratio

❖ **Completed:**

➤ **As Principal Investigator**

1. Study of correlation between plasma VEGF levels and Autonomic Functions in Type 2 Diabetes Mellitus Patients

### **Scientific Awards/Patents**

1. Team received certificate of appreciation and cash prize, Designing, Development and Testing of Indigenous Paired Neck Chamber Device for Evaluation of Baroreflex Sensitivity, 1st National Biomedical Research Competition, All India Institute of Medical Sciences, Rishikesh, 15<sup>th</sup> Oct 2018
2. Certificate of merit, Outstanding work and contribution in Medical Physiology, Medworld Asia International Excellency in Research, Clinical practice and Medical education Awards 2018, Pune, Maharashtra, 28<sup>th</sup> Oct 2018

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

1. Member; Indian Journal of Physiology and Pharmacology

### **Examinership**

1. PhD, AIIMS, New Delhi, 8<sup>th</sup> Dec 2018

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

1. North Zone Association of Clinical Biochemists of India 2018. AIIMS, Jodhpur, April 7-8, 2018.
2. CME-Cum-Workshop on Reforming Physiology Curriculum, AIIMS, Rishikesh, 28<sup>th</sup> July 2018.
3. Europhysiology 2018. The Physiological Society, London (UK), 14<sup>th</sup>-16<sup>th</sup> Sep 2018.
4. Association of Clinical Biochemists of India, Goa, 24<sup>th</sup> - 27<sup>th</sup> Oct 2018.

**Name of Faculty: Dr. Abhinav Dixit**

**Designation: Additional Professor**

### **Books/Chapters**

1. Dixit A. Effect of tobacco on Various Organs. In: Tobacco and Related Health Hazards: A Concise Handbook, Prakash A & Talukdar T, editors, Mumbai, Indian College of Physicians, 2019:18-24.

### **Papers Presented:**

1. Dixit A, Kamble PH, Singhal A, Datta K, Gadhvi M. Does Colour alter performance on Letter Cancellation tasks? Europhysiology 2018, QEII Centre, London, UK, 14<sup>th</sup> – 16<sup>th</sup> Sep 2018.

### **Sessions Chaired:**

1. Symposium, Recent Advances in Parkinson's Disease, Maulana Azad Medical College, New Delhi, 16<sup>th</sup> Feb 2019.

### **Resource Faculty:**

1. Workshop on Excel Basics, National Research Conference-Cum-Workshop, Physicians Research Foundation, New Delhi, 12<sup>th</sup> - 13<sup>th</sup> Jan 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Effect of language on performance on color word Stroop task: An evoked potential study, Indian Council of Medical Research

➤ **As Co-Investigator**

1. EEG Neurofeedback Training for Optimal Performance- Collaborative project with Indian Institute of Technology (IIT), Jodhpur

❖ **Completed:**

➤ **As Principal Investigator**

1. Effect of Color on Letter Cancellation Task

**Examinership**

1. MBBS, Sawai Man Singh Medical College, Jaipur, 23<sup>rd</sup> – 26<sup>th</sup> July 2018,

**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

**National/ International Conferences attended:**

1. Europhysiology 2018, The Physiological Society, London, UK, 14<sup>th</sup> -16<sup>th</sup> Sep 2018
2. Joint Leadership Conclave on Health Technologies, AIIMS Jodhpur, 3<sup>rd</sup>- 4<sup>th</sup> Dec 2018
3. Pearson Clinical Assessment Workshop on Administration, Scoring and Interpretation of Bayley Scales of Infant and Toddler Development, Third Edition, Pearson Academy India, AIIMS Jodhpur, 22<sup>nd</sup> Dec 2018
4. Workshop on Excel Basics at National Research Conference-Cum-Workshop, Physicians Research Foundation, New Delhi, 12<sup>th</sup> -13<sup>th</sup> Jan 2019
5. Recent Advances in Parkinson's Disease, Department of Physiology, Maulana Azad Medical College, New Delhi, 16<sup>th</sup> Feb 2019

**Name of Faculty: Dr. Bharati Mehta**

**Designation: Additional Professor**

**Publications:**

**Book:**

1. Mehta B, Bhandari B. In: MCQs in Medical Physiology, 1<sup>st</sup> edition, New Delhi, Red Flower Publications Pvt. Ltd, 2019;1-194



**Papers Presented:**

1. Mehta M, Bhandari B, Singhal A, Mavai M, Dutt N, Raghav P. Screening asymptomatic school children for early asthma by determining mild airway narrowing through PEFr measurement. Europhysiology 2018, 14<sup>th</sup> – 16<sup>th</sup> Sep 2018, QEII Centre, London, UK.

**Sessions Chaired:**

1. Symposium on Sleep Medicine, National Conference of Association of Physiologists and Pharmacologists of India, 2018, 29<sup>th</sup> Nov -1<sup>st</sup> Dec 2018, Manipal

**Resource Faculty:**

1. Recent advances in Teaching & Research Methodologies in Pharmaceutical Sciences, CME, 28<sup>th</sup> Sep 2018, Lachoo Memorial College of Science & Pharmacy, Jodhpur

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Knowledge Up-Gradation of Healthcare Workers Regarding Diagnosis and Treatment of Epilepsy in Jodhpur: An Interventional Study
2. Crossword Puzzles for Understanding Concepts of Renal Physiology

❖ **Completed:**

➤ **As Principal Investigator**

1. Screening asymptomatic school children for early asthma by determining mild airway narrowing through PEFr measurement; Funded by AIIMS, Jodhpur.
2. Gender differences in working memory in teenagers and its association with academic performance

**Examinership**

1. Undergraduate Physiology. Jawaharlal Nehru Medical College, Ajmer, 23<sup>rd</sup> - 25<sup>th</sup> July 2018
2. MD Physiology. Dr. Sampurnanand Medical College, Jodhpur
3. Subject Expert National Board of Examinations
4. First BDS Students, Vyas Dental College, Jodhpur, 4<sup>th</sup> April 2018

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

1. Member; The Physiological Society (UK)
2. Member; American Physiological Society

**National/ International Conferences attended:**

1. Europhysiology 2018, The Physiological Society, London, UK, 14<sup>th</sup> -16<sup>th</sup> Sep 2018
2. 64<sup>th</sup> Annual National Conference of Association of Physiologists and Pharmacologists of India 2018, Manipal, 29<sup>th</sup> Nov–1<sup>st</sup> Dec 2018

**Name of Faculty: Dr. Om Lata Bhagat**

**Designation: Associate Professor**

**Papers Presented:**

1. **Bhagat OL**, Singhal A, Saini S, Deora S, Sircar S. Effect of Valsalva Maneuver on Ventricular Repolarization. Europhysiology 2018, London, UK, 14<sup>th</sup> – 16<sup>th</sup> Sep 2018.

**Sessions Chaired:**

1. Best paper award for paper presented by undergraduate student, 5<sup>th</sup> Annual National Conference of Association of Physiologists of India 2018, Pramukhswami Medical College, Karamsad, 27<sup>th</sup> - 29<sup>th</sup> Sep 2018.

**Invited Lectures**

1. Cardiopulmonary Exercise Testing: UG/PG practical and Research tool, Workshop on Exercise Physiology during 5<sup>th</sup> National Conference of Association of Physiologists of India, 26<sup>th</sup> September, 2018, Department of Physiology, Pramukhswami Medical College, Karamsad, Anand, Gujarat
2. Assessment of Cardiac Autonomic Functions, Workshop on assessment of autonomic and vascular functions, during 5<sup>th</sup> National Conference of Association of Physiologists of India, 26<sup>th</sup> September, 2018, Department of Physiology, Pramukhswami Medical College, Karamsad, Anand, Gujarat

**Resource Faculty:**

1. Workshop on Exercise Physiology, 5<sup>th</sup> National Conference of Association of Physiologists of India, 26<sup>th</sup> Sep 2018, Department of Physiology, Pramukhswami Medical College, Karamsad, Anand, Gujarat
2. Workshop on assessment of autonomic and vascular functions, 5<sup>th</sup> National Conference of Association of Physiologists of India, 26<sup>th</sup> Sep 2018, Department of Physiology, Pramukhswami Medical College, Karamsad, Anand, Gujarat

**Research Project:**

❖ **Completed:**

➤ **As Co-Investigator**

1. Evaluation of electrocardiographic parameters and serum biomarkers in patients with hypertrophic cardiomyopathy, funded by AIIMS, Jodhpur
2. Evaluation of the role of cardiovascular autonomic function and peripheral vascular endothelial function in patients with primary hyperhidrosis, funded by AIIMS, Jodhpur

**Examinership**

1. First MBBS (Main) Exam July 2018 in the subject Physiology including Bio-Physics, Dr. Sampurnanand Medical College, Jodhpur, 27<sup>th</sup> July – 31<sup>st</sup> July 2018

**National/ International Conferences attended:**

1. Europhysiology 2018, The Physiological Society, QEII Centre, London, UK, 14<sup>th</sup> -16<sup>th</sup> Sep 2018
2. 5th Annual National Conference of Association of Physiologists of India (ASSOPICON 2018), Pramukhswami Medical College, Karamsad, 27<sup>th</sup> to 29<sup>th</sup> Sep 2018.
3. Teleconference update: Live interaction with Prof. Christopher Mathias on emergence of Autonomic Neuroscience, Department of Physiology AIIMS Delhi, 22<sup>nd</sup> Feb 2019

**Name of Faculty: Dr. Prasunpriya Nayak**  
**Designation: Associate Professor**

**Papers Presented:**

1. Dasari P, Nayak P. Alpha-tocopherol supplementation restricts aluminium and ethanol induced oxidative damages in rat brain but fails to protect neurobehavioral damage. 5<sup>th</sup> Annual National Conference of Association of Physiologists of India; 26<sup>th</sup> – 29<sup>th</sup> Sep 2018, Department of Physiology, Pramukhswami Medical College, Karamsad, Anand, Gujarat.

**Sessions Chaired:**

1. 5<sup>th</sup> Annual National Conference of Association of Physiologists of India; 26<sup>th</sup> – 29<sup>th</sup> Sep 2018, Department of Physiology, Pramukhswami Medical College, Karamsad Anand, Gujarat.
2. Indian Science Congress Association – Dharmanagar Chapter; 10<sup>th</sup> -11<sup>th</sup> April 2018, Government Degree College, Dharmanagar, North Tripura.

**Invited Lectures**

1. Toxicity of aluminum: conjecture to corroboration, molecular to behavioral, Indian Science Congress Association- Dharmanagar Chapter; Government Degree College, Dharmanagar, North Tripura, 10<sup>th</sup> -11<sup>th</sup> April, 2018.

**Resource Faculty:**

1. ICMR Workshop Series on Physiology Education Techniques 2018: The International Union of Physiological Sciences Initiative, Eastern Chapter, NEIGRIHMS, Shillong, Meghalaya, 10<sup>th</sup> -12<sup>th</sup> Nov 2018.
2. ICMR Workshop Series on Physiology Education Techniques 2018: The International Union of Physiological Sciences Initiative, Southern Chapter, Government Medical College, Kozhikode, Kerala, 15<sup>th</sup> -18<sup>th</sup> Nov 2018.

**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

❖ **Completed:**

1. Effect of Amlodipine and Enalapril on surgical wound healing, Indian Council of Medical Research STS Project

**Scientific Awards/Patents**

1. Prof. S.B. Deshpande Award (2018), Best research work in Neurophysiology, Association of Physiologists of India, 26<sup>th</sup> Sep 2018

**Examinership**

1. MBBS, Rajasthan University of Health Sciences, 27<sup>th</sup>- 31<sup>st</sup> July, 2018
2. MBBS, West Bengal University of Health Sciences, 6<sup>th</sup> – 11<sup>th</sup> August 2018
3. PhD, Tripura University, 30<sup>th</sup> Nov-1<sup>st</sup> Dec 2018

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

1. Member of Executive body; Association of Physiologists of India.
2. Vice President; Physiological Society of India.

**National/ International Conferences attended:**

1. 5<sup>th</sup> Annual National Conference of Association of Physiologists of India; Department of Physiology, Pramukhswami Medical College, Karamsad – 388 325, Anand, Gujarat. 26<sup>th</sup> – 29<sup>th</sup> Sep 2018,
2. Indian Science Congress Association – Dharmanagar Chapter; Government Degree College, Dharmanagar, North Tripura. 10<sup>th</sup> -11<sup>th</sup> April 2018

**Name of Faculty: Dr. Shival Srivastav**

**Designation: Assistant Professor**

**Resource Faculty:**

1. Workshop on Autonomic Nervous System and Vascular Testing. National Conference of Academy of Physiology 2019. Dr. NKP Salve Institute of Medical Sciences, Nagpur, 8<sup>th</sup> Feb 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Evaluation of the relationship between pre-operative cardiac autonomic function and perioperative hypotension risk in diabetic patients undergoing surgery
2. Study of correlation between Peak Expiratory flow rate (PEFR) and Valsalva Ratio

❖ **Completed:**

➤ **As Co-Investigator**

1. Study of correlation between plasma VEGF levels and autonomic functions in Type 2 Diabetes mellitus patients

**National/ International Conferences attended:**

1. Pediatric Spirometry Workshop, AIIMS Jodhpur-IAP Respiratory Chapter Rajasthan Pediatric Pulmonology Update organized by Department of Pediatrics, AIIMS Jodhpur, 19<sup>th</sup> Jan 2019
2. Intraoperative Neurophysiological Monitoring (IONM): Current and Future Applications. Organized by Department of Physiology and Neurosurgery, AIIMS Jodhpur, 4<sup>th</sup> Oct 2018

**Name of Faculty: Dr. Pooja Ojha**  
**Designation: Assistant Professor**

**National/ International Conferences attended:**

1. Rajasthan Neurosciences Update 2019. Organized by Department of Neurosurgery, AIIMS, Jodhpur, 23<sup>rd</sup> - 24<sup>th</sup> March 2019

**ICMR Workshop series on Physiology Education Techniques 2018: International Union of Physiological Sciences initiative.**

ICMR workshop series on Physiology education techniques - 2018 was held at the Department of Physiology, AIIMS Jodhpur from November 3-5, 2018 under the aegis of International Union of Physiological Sciences - IUPS.

Workshop was conducted with an objective to enhance the exchange of knowledge amongst facilitators and learners about the recent techniques and best practices in Physiology teaching. This workshop was meant to create awareness amongst teachers regarding the use of Case-based learning, Problem-based learning and Flipped classroom models as innovative teaching methods for imparting education in Physiology.

Eminent faculties from different countries and other prominent institutes of India emphasized the implementation of aforementioned teaching modalities in Physiology.

The Workshop was attended by 24 participants from different institutes of the country. They were divided into three small groups for effective interaction. Brainstorming sessions and interesting group-activities engaged the participants during the three days' workshop. A sense of exuberance was evident amongst the participants. The workshop culminated with group photography and certificate distribution.



Delegates with Organizers



The Faculties from different countries

**Invited CME & Workshop on Intraoperative Neurophysiological Monitoring (IONM) Current and Future Applications Organized by Department of Physiology and Neurosurgery at Auditorium, AIIMS Jodhpur on 4th October 2018**

Continued Medical Education & workshop on Intraoperative Neurophysiological Monitoring (IONM) was conducted by Department of Physiology and Neurosurgery on 4<sup>th</sup> October 2018 at Auditorium, AIIMS Jodhpur.

The CME highlighted the role of IONM during cranial and spinal surgeries. Advantage of IONM in surgeries was emphasized during the CME. IONM has sprouted exponentially in recent times. It has emerged as a promising technique having enormous scope in near future. Eminent speakers from reputed institutes shared the experience of IONM at their institute.

Presentations comprised Interesting Case Reports and Clinical Experience of IONM at AIIMS Jodhpur. Delegates in prolific number attended the event. This event has been distinguished in acquainting the budding Physiologists with current and future applications of IONM.



Presentation during the event



Eminent speaker sharing their experience of IONM at AIIMS, Delhi.

## Department of Psychiatry

S. No.	Name	Designation
1.	Dr. Naresh Nebhinani	Additional Professor & Head
2.	Dr. Jitender Aneja	Assistant Professor
3.	Dr. Mukesh Swami	Assistant Professor
4.	Dr. Pratibha Gehlawat	Assistant Professor
5.	Dr. Navratan Suthar	Assistant Professor

### 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 serving 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.

We are running four special clinics: Drug Deaddiction Clinic (DDC) (Tuesday), Stress Prevention Clinic (SPC) (Wednesday), 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 2018-2019, our faculty have participated in several academic forums- conferences, workshops and discussions and presented scientific papers, and delivered guest lectures.

In this period Dr. Navratan Suthar has joined the department.

### Compiled list of Publications of the department

#### Pubmed Indexed

1. Rohilla J, Nebhinani N, Suthar N. Fetishistic transvestism with ectodermal dysplasia: A case report. Indian J Psychiatry 2019;61:217-8.
2. Gupta T, Singhai K, Swami M, Nebhinani N, Jain S, Pareek V. Emerging Personality Disorder in Adolescence: Diagnostic Dilemma and Therapeutic Challenges. Asian J Psychiatr. 2019;40:60-61.



3. Nebhinani N, Sharma P, Pareek V, Suthar N, Jakhotia S, Gehlot M, Purohit P. Association of inflammatory and liver markers with cardiometabolic risk factors in patients with depression. *Indian J Clin Biochemistry* 2019;34:219-224.
4. Kuppili PP, Singhai K, Nebhinani N. Mood stabilisers and risk of stroke in bipolar disorder. *Br J Psychiatry* 2019;214:305.
5. Singhai K, Kuppili PP, Nebhinani N. Depressive symptoms and health care within 30 days after discharge from a cardiac hospital unit. *Gen Hosp Psychiatry* 2019;56:58.
6. Patra S, Nebhinani N, Viswanathan A, Kirubakaran R. Atomoxetine for attention deficit hyperactivity disorder in children and adolescents with autism: a systematic review and meta-analysis. *Autism Res.* 2019;12:542-552.
7. Nebhinani N, Suthar N, Modi S. Fluoxetine induced Pseudocyesis in a patient with Obsessive-compulsive disorder: A case report. *Indian J Psychiatry* 2018;60:370-371.
8. Kuppili PP, Nebhinani N. Correspondence in response to 'Associations between age and the course of major depressive disorder: a 2-year longitudinal cohort study.' *Lancet Psychiatry* 2018;5:784.
9. Kuppili PP, Nebhinani N. Deciphering the paradoxical incidence of cancer in Schizophrenia. *Australas Psychiatry* 2018, DOI: 10.1177/1039856218797439.
10. Kuppili PP, Nebhinani N, Jain S, Singhai K. Olanzapine associated palpebral edema: An uncommon adverse effect of a commonly prescribed drug. *Asian J Psychiatr.* 2018;36:60-61.
11. Dwivedi S, Purohit P, Nebhinani N, Sharma P. Effect of Severity of Opiate Use on Cardiometabolic Profile of Chronic Opiate Dependents of Western Rajasthan. *Indian J Clin Biochem*, 2018.
12. Chavan BS, Kaur G, Gupta D, Aneja J. Effect of CYP2D6 polymorphism on plasma concentration of risperidone in schizophrenia patients. *Indian J Psychol Med.* 2018;40:335-42.
13. Aneja J, Singhai K, Paul K. Very early onset psychosis/schizophrenia: Case studies of spectrum of presentation and management issues. *J Family Med Prim Care* 2018;7:1566-70.
14. Kaur G, Gupta D, Chavan BS, Sinhmar V, Prasad R, Tripathi A, Garg PD, Gupta R, Khurana H, Margoob MA, Aneja J. An association study of dopaminergic (DRD2) and serotonergic (5-HT2) gene polymorphism and schizophrenia in a North Indian population. *Asian J Psychiatr.* 2019;39:178-84.
15. Suthar N, Aneja J. Lurasidone induced Hyper-prolactinemia and Parkinsonism. *Indian J Psychol Med* 2019;41:192-4.
16. Kuppili PP, Aneja J. Developmental delay, Hyperactivity and Mania: a perfect blend of confusion in a preschool child. *Indian J Psychol Med* 2019;41:286-8.
17. Aneja J, Goya D, Choudhary B. Psychosis consequent to antimalarial drug use in a young child. *J Family Med Prim Care* 2019;8:1781-3.
18. Grover S, Aneja J, Hazari N, Chakrabarti S, Avasthi A. Stigma and its correlates among caregivers of patients with Bipolar Disorder. *Indian J Psychol Med* (Accepted)
19. Jain S, Singhai K, Swami MK. Seizure as a primary presentation in opioid withdrawal. *Psychiatry Clin Neurosci.* 2018;72:802-803.
20. Gahlan D, Rajput R, Gehlawat P, Gupta R. Prevalence and determinants of diabetes distress in patients with diabetes mellitus in tertiary care centre. *Diabetes Metab Syndr.* 2018;12:333-336.

**Non-Pubmed Indexed**

1. Nebhinani N, Jain S. Resilience in childhood psychopathology: The changing paradigm. J. Indian Assoc. Child Adolesc. Ment. Health 2019;15:1-12.
2. Grover S, Avasthi A, Sahoo S, Lakdawala B, Dan A, Nebhinani N, et al. Relationship of loneliness and social connectedness with depression in elderly: A multicentric study under the aegis of Indian Association for Geriatric Mental Health. J Geriatr Ment Health 2018;5:99-106.
3. Grover S, Avasthi A, Sahoo S, Lakdawala B, Dan A, Nebhinani N, et al. Prevalence of physical comorbidity and prescription patterns in elderly patients with depression: A multicentric study under the aegis of IAGMH. J Geriatr Ment Health 2018;5:107-14.
4. Nebhinani N, Kuppili PP. *Young people and mental health in a changing world*. J. Indian Assoc. Child Adolesc. Ment. Health 2018;14:1-14.
5. Mahawer B, Aneja J, Nebhinani N. Methylphenidate induced acute psychosis in a case with mild intellectual disability and ADHD. J. Indian Assoc. Child Adolesc. Ment. Health 2018;14:125-130.
6. Basu D, Gupta N, Sarkar S, Nebhinani N, Rozatkar A, Ghosh A. Indian Association for Social Psychiatry: Reminisce, Rejoice, Reflect, Rejuvenate. Indian J Social Psychiatry 2018;34:257-258.
7. Nebhinani N, Kuppili PP. Pathological internet use in children and adolescents: Problem statement and Preventive strategies. J. Indian Assoc. Child Adolesc. Ment. Health 2018;14:1-8.
8. Saini V, Nebhinani N, Singhai K. Sinus tachycardia with low dose clozapine: A case report. J. Indian Assoc. Child Adolesc. Ment. Health 2018;14:85-90.
9. Nebhinani N, Kuppili PP. Prevention of substance use in children and adolescents. J. Indian Assoc. Child Adolesc. Ment. Health 2018;14:1-11.
10. Aneja J, Chavan BS, Huria A, Goel P, Kaur N, Chabra P. Perceived Stress and its psychological correlates in pregnant women: An Indian Study. Int J Culture Mental Health 2018; 11:268-79.
11. Aneja J. Risperidone response in schizophrenia: a narrative review of pharmaco-genetic research. J Mental Health & Clin Psychology 2018;2:39-47.
12. Aneja J, Suthar N, Bohra GK, Garg P. Human immunodeficiency virus-associated neurocognitive disorder masquerading as psychiatric illness. Int J Adv Med Health Res 2018;5:71-4.
13. Aneja J, Pareek V, Khera D, Singh K. Acetaminophen abuse in a child with chronic pain. J Indian Assoc. Child Adolesc. Ment Health 2019;15:139-48.
14. Swami MK. Dhat syndrome among females: Is there enough evidence? Indian J Health, Sexuality & Culture 2018;4: 29-31.

**Awareness sessions/ health camp organized**

1. Autism awareness session for Parents on World health day (AIIMS, Jodhpur, 7<sup>th</sup> April, 2018)
2. Health Camp for children with developmental disabilities (Navjoti Manovikas Kendra, Jodhpur, 12<sup>th</sup> May, 2018)
3. Camp on 'World no tobacco day' for tobacco cessation (AIIMS Jodhpur, 31<sup>st</sup> May, 2018)
4. Health Camp for children with developmental disabilities (Navjoti Manovikas Kendra, Jodhpur, 18<sup>th</sup> August, 2018)

**Name of Faculty: Dr. Naresh Nebhinani**  
**Designation: Additional Professor & Head**

**Book Chapter**

1. Nebhinani N, Kuppili PP. Stem cell therapy for Psychiatric disorders. In: Different Strokes: Advancing Frontiers of Psychiatric Therapeutics, Singh PK (editor), 1<sup>st</sup> edition, Patna, Publication committee Indian Psychiatric Society 2019;184-192

**Papers Presented**

1. Nebhinani N. Role of Psychiatrist in parents counseling of children with special needs. CRE program on Skills for counseling parents of students with special needs; 21<sup>st</sup> September, 2018, Navjyoti Manovikas Kendra, Jodhpur
2. Jain S, Singhai K, Nebhinani N. Comprehensive antenatal to postpartum care of patient with bipolar disorder: A case report. International Marce society biennial meeting; 26<sup>th</sup>-28<sup>th</sup> September 2018, NIMHANS, Bangalore
3. Singhai K, Jain S, Nebhinani N. Suicidal behaviour in postpartum depression: A case report. International Marce society biennial meeting; 26<sup>th</sup>-28<sup>th</sup> September 2018, NIMHANS, Bangalore
4. Gupta R, Chadda R, Garg R, Nebhinani N. Highlighting the Role of Multi- Speciality Liaison in Effective Assessment and Management of Metabolic Syndrome. 43<sup>rd</sup> Annual Conference of Indian Psychiatric Society- North Zone; 6<sup>th</sup>-7<sup>th</sup> October, 2018, Government Medical College, Chandigarh
5. Nebhinani N, Mamta. Workshop: Role of Nurse to combat depression. National Conference on Combat depression; 22<sup>nd</sup>-23<sup>rd</sup> October 2018, JSS Medical College, Mysore
6. Nebhinani N. Knowing the mimics of depression. National Conference on Combat depression; 22<sup>nd</sup>-23<sup>rd</sup> October 2018, JSS Medical College, Mysore
7. Nebhinani N, Gehlawat P, Aneja J. Child and adolescent mental health (CAMH) in India: Why, what and how? 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry; 16<sup>th</sup>-18<sup>th</sup> November 2018, PGIMS, Rohtak.
8. Nebhinani N. Internet addiction: Is it a disorder? 2<sup>nd</sup> Annual National Conference for Association of Medical Updates; 15<sup>th</sup>-16<sup>th</sup> December, 2018, Geetanjali Medical College, Udaipur

**Sessions Chaired**

1. When lack of sleep is not insomnia, Annual CME of Indian Psychiatric Society- North Zone; 1<sup>st</sup> April, 2018, Hotel Country Inn, Bathinda
2. Narcotic Drugs & Psychotropic Substances Act 1985, 18<sup>th</sup> Post Graduate Development Program, by Indian Psychiatric Society- North Zone; 30<sup>th</sup> June- 1<sup>st</sup> July, 2018, Hotel Taj Vivanta, Suraj Kund, Haryana
3. Assessment of criminal behavior & malingering, 18<sup>th</sup> Post Graduate Development Program, by Indian Psychiatric Society- North Zone; 30<sup>th</sup> June- 1<sup>st</sup> July, 2018, Hotel Taj Vivanta, Suraj Kund, Haryana
4. Skills for counseling parents of students with special needs, CRE program; 21<sup>st</sup> September, 2018, Navjyoti Manovikas Kendra, Jodhpur
5. How do people present in Depression, National Conference on Combat depression; 22<sup>nd</sup>-23<sup>rd</sup> October 2018, JSS Medical College, Mysore

6. Biopsychosocial understanding of depression, National Conference on Combat depression; 22<sup>nd</sup>-23<sup>rd</sup> October 2018, JSS Medical College, Mysore
7. Regional Summit of School Principals; 15<sup>th</sup> November, 2018, Vidhyashram International School, Jodhpur
8. Parenting: Can it be a Cornerstone of Preventive Psychiatry? 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry; 16<sup>th</sup>-18<sup>th</sup> November 2018, PGIMS, Rohtak.
9. Poster session, 2<sup>nd</sup> Annual National Conference for Association of Medical Updates; 15<sup>th</sup>-16<sup>th</sup> December, 2018, Geetanjali Medical College, Udaipur

### Invited Lecture

1. Issues in early parenting: Early stimulation, developmental issues and early detection and intervention of psychological disorders; Indra Yog Sansthan, Jodhpur, 7<sup>th</sup> April, 2018.
2. Relationship issues; Indra Yog Sansthan, Jodhpur, 14<sup>th</sup> April, 2018.
3. Parents awareness session for comprehensive care of children with development disorder; Navjoti Manovikas Kendra, Jodhpur, 5<sup>th</sup> May, 2018.
4. Interactive session on Schizophrenia awareness day; Indra Yog Sansthan, Jodhpur, 24<sup>th</sup> May, 2018.
5. Mental health awareness; Ashiana dwarka, Jodhpur, 2<sup>nd</sup> June, 2018.
6. Common mental health problems and role of lifestyle, yoga and timely intervention; Sindhu Mahal, Jodhpur, 15<sup>th</sup> June, 2018.
7. Handling problem behavior and skill deficits in children with development disorder; Navjoti Manovikas Kendra, Jodhpur, 18<sup>th</sup> August, 2018.
8. Suicide prevention; Indra Yog Sansthan, Jodhpur, 10<sup>th</sup> September, 2018.
9. Responsibility of other agencies in Mental Health Care Act-2017; SN Medical College, Jodhpur, 9<sup>th</sup> October, 2018.
10. Young people and mental health in a changing world; Lucky International School, Jodhpur, 10<sup>th</sup> October, 2018.
11. Young people and mental health in a changing world; Central Academy School, Jodhpur Cantt, 11<sup>th</sup> October, 2018.
12. Young people and mental health in a changing world: Session-1; Vidhashram International School, Jodhpur, 11<sup>th</sup> October, 2018.
13. Young people and mental health in a changing world: Session-2; Vidhashram International School, Jodhpur, 11<sup>th</sup> October, 2018.
14. Young people and mental health in a changing world; Central Academy School, Pal Bypass, Jodhpur, 12<sup>th</sup> October, 2018.
15. Stress management, AKSHICON-II; AIIMS Jodhpur, 8<sup>th</sup> December, 2018.
16. Internet addiction: Is it a disorder? 2<sup>nd</sup> Annual National Conference for Association of Medical Updates; Geetanaji Medical College, Udaipur, 15<sup>th</sup>-16<sup>th</sup> December, 2018.
17. Stress and its coping skill for the youngster and adults; Indra Yog Sansthan, Jodhpur, 12<sup>th</sup> January, 2019.
18. Handling stress of examination and career; Indra Yog Sansthan, Jodhpur, 13<sup>th</sup> January, 2019.
19. Role of yoga in prevention and management in common mental disorders; Patanjali Yog Sansthan, Jodhpur, 9<sup>th</sup> March, 2019.

**Symposium/ Workshop Speaker**

1. Highlighting the Role of Multi- Speciality Liaison in Effective Assessment and Management of Metabolic Syndrome, 43<sup>rd</sup> Annual Conference of Indian Psychiatric Society- North Zone; Government Medical College, Chandigarh, 6<sup>th</sup>-7<sup>th</sup> October, 2018.
2. Youth Mental Health; National Law University, Jodhpur, 12<sup>th</sup> October, 2018.
3. Role of Nurse to combat depression, National Conference on Combat depression; JSS Medical College, Mysore, 22<sup>nd</sup>-23<sup>rd</sup> October 2018.
4. Child and adolescent mental health (CAMH) in India: Why, what and how? 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry; PGIMS, Rohtak, 16<sup>th</sup> -18<sup>th</sup> Nov, 2018.

**Resource Faculty**

1. Skills for counseling parents of students with special needs, CRE; Navjyoti Manovikas Kendra, Jodhpur, 21<sup>st</sup> September, 2018.
2. Role of Nurse to combat depression, National Conference on Combat depression; JSS Medical College, Mysore, 22<sup>nd</sup>-23<sup>rd</sup> October 2018.
3. Regional Summit of School Principals; Vidhyashram International School, Jodhpur, 15<sup>th</sup> November, 2018.

**Research Project:****❖ Ongoing:****➤ As Principal-Investigator**

1. Association of Single nucleotide polymorphisms in DNA Repair Gene (XRCC1) (Arg399Gln; rs25487) and SNAP25 (rs3746544) in patients with Schizophrenia in North Indian population. AIIMS Jodhpur
2. Effects of yoga therapy on cognitive functions and severity of depression in patients with Major Depressive Disorder (MDD)
3. To what extent does “Feeling good, doing well” training program enhance the mental health of medical students?
4. Long term Course and Outcome of Bipolar disorder. Indian Psychiatric Society, PGIMER Chandigarh

**➤ As Co-Investigator**

1. Study of vitamin D level and cardiometabolic abnormalities in patients with schizophrenia and bipolar disorders. AIIMS Jodhpur
2. Effect of language on performance on color word stroop task: An evoked Potential study. ICMR
3. Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan

**❖ Completed****➤ As Co-Investigator**

1. Evaluation of knowledge and attitude regarding obstructive sleep apnea and restless legs syndrome among faculty members and medical students. AIIMS Rishikesh
2. Effectiveness of Kriya Yoga in patients with Depressive disorders: A pilot study. ICMR

**Examinerships:**

1. MD Thesis evaluation. AIIMS Delhi, 2018
2. PhD Thesis evaluation. University of West Bengal, 2019

**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)
7. Chief Coordinator; Combat Depression Task force, Indian Psychiatric Society- Sub-Committee for "Role of Nurses in Combating Depression"

**National/ International Conferences attended**

1. Annual CME of Indian Psychiatric Society- North Zone. Bathinda Psychiatric Forum, Bathinda, 1<sup>st</sup> April, 2018
2. Post Graduate Development Program. Indian Psychiatric Society- North Zone, Suraj Kund, Haryana, 30<sup>th</sup> June- 1<sup>st</sup> July, 2018
3. Workshop on Mental Health Care Act-2017. S.M.S. Medical College, Jaipur, 8<sup>th</sup> July, 2018
4. CME on Sexual Medicine. SN Medical College, Jodhpur, 29<sup>th</sup> July 2018
5. 43<sup>rd</sup> Annual Conference of Indian Psychiatric Society- North Zone. Government Medical College, Chandigarh, 6<sup>th</sup>-7<sup>th</sup> October, 2018
6. National Conference on Combat depression. JSS Medical College, 22<sup>nd</sup>-23<sup>rd</sup> October 2018
7. 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry. PGIMS, Rohtak, 16-18 November 2018
8. 2<sup>nd</sup> Annual National Conference for Association of Medical Updates. Geetanajali Medical College, Udaipur, 15<sup>th</sup>-16<sup>th</sup> December, 2018

**Radio talk**

1. Management of Bipolar disorder (Radio Mirchi, 7.5.18)
2. World no tobacco day (31.05.18)
3. Depression: Presentation and management (26.12.18)

**Name of Faculty: Dr. Jitender Aneja**  
**Designation: Assistant Professor**

**Books/Chapters**

**Book**

1. Singh D, Aneja J. A Primer of Psychiatry. Gorakhpur, Pulse Publication. ISBN978-93-85722-74-5.

### **Book Chapters**

1. Gupta N, Aneja J. An overview of the etio-pathogenesis of delirium. In: Recent Advances in Biological Psychiatry, Kumar P, Gupta N, D'Sousa A, Kaur H, Jhanwar V (editors), 1<sup>st</sup> edition, Mumbai, Indian Association of Biological Psychiatry 2018;53-60.

### **Papers Presented:**

1. Ghormode D, Gupta P, Ratnani D, Aneja J. Evaluation of sexual dysfunction in patients with severe mental illness: a cross-sectional study from a tertiary care centre in Chhattisgarh. 71<sup>st</sup> Annual National Conference of Indian Psychiatric Society; 31<sup>st</sup> Jan-3<sup>rd</sup> Feb, 2019, KGMU, Lucknow.

### **Invited Lectures**

1. Mental Health in Youth; 9<sup>th</sup> October, 2018, Central Academy School, CHB, Jodhpur
2. Diabetes Mellitus in Children, Panellist for Public Awareness Lecture; 14<sup>th</sup>, November, 2018, AIIMS, Jodhpur.
3. Normal Newborn Care, Panellist for Public Awareness Lecture; 25<sup>th</sup> April, 2019, AIIMS, Jodhpur.

### **Symposium Speaker**

1. Late-onset schizophrenia: concept, neurobiology an issues in management, 3<sup>rd</sup> Global Conference of Biological Psychiatry; 23<sup>rd</sup>-26<sup>th</sup> August, 2018, Hotel Grand Hyatt, Mumbai
2. Child and Adolescent Mental Health (CAMH) in India: Why, What and How? 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry; 16<sup>th</sup>-18<sup>th</sup> November, 2018, PGIMS, Rohtak

### **Resource Faculty**

1. 2<sup>nd</sup> National Child Psychiatry CME, Indian Association of Private Psychiatry; 21<sup>st</sup> July, 2018, New Delhi.

### **Research Project:**

#### **❖ Ongoing:**

#### **➤ As Principal Investigator**

1. A Prospective Study to Elicit Regional Brain Volume and Metabolite Changes after Electro-Convulsive Therapy for Severe Depression. AIIMS, Jodhpur

#### **➤ As Co-Investigator**

1. Symptoms of Depression in Adolescents with Asthma: a reason for non-adherence? AIIMS, Jodhpur

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

1. Associate Editor; Journal of Indian Association for Child and Adolescent Mental Health
2. Member and Scientific Head; National Child Psychiatry sub-section of Indian Association of Private Psychiatry

**National/ International Conferences attended:**

1. 2<sup>nd</sup> National Child Psychiatry CME. Indian Association of Private Psychiatry, 21<sup>st</sup> July, 2018, New Delhi
2. 3<sup>rd</sup> Global Conference of Biological Psychiatry. Indian Association of Biological Psychiatry, 23<sup>rd</sup> -26<sup>th</sup> August, 2018, Hotel Grand Hyatt, Mumbai.
3. 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry. PGIMS, Rohtak, 16<sup>th</sup>-18<sup>th</sup> November, 2018
4. 71<sup>st</sup> Annual National Conference of Indian Psychiatric Society. KGMU, Lucknow, 31<sup>st</sup> Jan-3<sup>rd</sup> Feb, 2019

**Name of Faculty: Dr. Mukesh Kumar Swami**  
**Designation: Assistant Professor**

**Papers Presented:**

1. Swami M. Reversibility of clozapine induced diabetes with aripiprazole: A case for use of combination. 8<sup>th</sup> International conference on schizophrenia (IConS) of SCARF; 30<sup>th</sup> August- 1<sup>st</sup> September 2018, Chennai.

**Invited Lectures:**

1. Substance use and addiction; 14<sup>th</sup> January, 2019, Indra Yog Sansthan, Jodhpur

**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

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

1. Fellowship of Indian Psychiatric Society

**National/ International Conferences attended:**

1. 8<sup>th</sup> International conference on schizophrenia (IConS). SCARF, Hyatt Regency, Chennai, 30<sup>th</sup> August- 1<sup>st</sup> September 2018,



**Name of Faculty: Dr. Pratibha Gehlawat**  
**Designation: Assistant Professor**

**Symposium Speaker:**

1. Child and Adolescent Mental Health in India: Why, What and How? 25<sup>th</sup> National Conference of Indian Association for Social Psychiatry; PGIMS, Rohtak, 16<sup>th</sup>-18<sup>th</sup> November, 2018.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Assessment of correlates of dropout from psychiatric treatment in tertiary care psychiatric facility in western Rajasthan, AIIMS, Jodhpur

**National/ International Conferences attended:**

1. 25<sup>th</sup> Annual National Conference of Indian Association of Social Psychiatry. PGIMS, Rohtak, 16<sup>th</sup> -18<sup>th</sup> November, 2019
2. Good Clinical Practice workshop. AIIMS Jodhpur, 4<sup>th</sup> to 5<sup>th</sup> August 2018
3. Joint Leadership Conclave 2018. IIT and AIIMS Jodhpur, AIIMS Jodhpur, 3<sup>rd</sup> - 4<sup>th</sup> December 2018
4. Mentorship Workshop. AIIMS, Jodhpur, 15<sup>th</sup> February, 2019

**Name of Faculty: Dr. Navratan Suthar**  
**Designation: Assistant Professor**

**Radio talk at Akashwani:**

1. How to handle stress during exams (25/03/2019)

## Department of Pulmonary Medicine

S.No.	Name	Designation
1	Dr. Naveen Dutt	Associate Professor
2	Dr. Nishant Kumar Chauhan	Associate Professor
3.	Dr. Ramniwas	Assistant Professor

### About the Department

#### 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.

#### 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

**Name of Faculty: Dr. Naveen Dutt**

**Designation: Associate Professor**

### Publications:

#### Papers-

1. Vyas, H., Purohit, P., Dutt, N. et al. Microalbuminuria in Chronic Obstructive Pulmonary Disease with and Without Co-morbidities *Ind J Clin Biochem* (2019).
2. Kuwal A, Chauhan N, Dutt N et al. Spontaneous Partial Regression of a Carcinoid Tumor: Radiology May Not Capture the Real Picture. *Turk Thorac J* 2019
3. Chaudhry, K., Khatana, S., Dutt, N. et al. Systematic Review of Lesser Known Parasitoses: Maxillofacial *Dirofilariasis*. *J. Maxillofac. Oral Surg.* (2019) 18 (2), 180-189
4. Rustagi, N., Singh, S., Dutt, N., Kuwal, A., Chaudhry, K., Shekhar, S., & Kirubakaran, R. (2019). Efficacy and Safety of Stent, Valves, Vapour ablation, Coils and Sealant Therapies in Advanced Emphysema: A Meta-Analysis. *Turkish thoracic journal*, 20(1), 43–60.

5. Varikasuvu, S.R., Dutt, N. & Sahu, D. Obstructive sleep apnea and the effect of CPAP treatment on ischemia-modified albumin levels: a multi effect size meta-analysis with diagnostic test accuracy Sleep Breath (2019) 23: 179.

**Papers Presented:**

1. Efficacy and safety of bronchoscopic lung volume reduction (BLVR) modalities functioning independent of collateral ventilation in advanced emphysema: Systematic review and meta-analysis at European Respiratory Society Annual Congress- 2018 at Paris

**Invited Lectures:**

1. Guest lecture in National Conference of Pulmonary Medicine, NAPCON-2018 on “Perinatal Probiotic Supplementation in Prevention of Allergy Diseases in Children” at Ahmedabad on 30<sup>th</sup> November 2018.
2. Guest Lecture in 4<sup>th</sup> Annual PCCM-CME 2018 at Pt. B D Sharma Postgraduate Institute of Medical Sciences, Rohtak on “Transbronchial and Endobronchial Lung Biopsy” on 1<sup>st</sup> September 2018.
3. Delivered Guest Lecture and conducted NIV workshop in “Sleep Dentistry Workshop 2018” at AIIMS Jodhpur on 17<sup>th</sup> and 18<sup>th</sup> Nov 2018

**Research Project:**

❖ **Ongoing:**

➤ **As Principal 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
2. The European Multicenter Bronchiectasis Audit and Research Collaboration in India (EMBARC India Registry)

➤ **As Co-Investigator**

1. A study of vascular patterns by using Narrow Band Imaging (NBI) videobronchoscopy in the evaluation of airways of patients with suspected lung cancer and its relationship with histology- Intramural project funded by AIIMS Jodhpur
2. Identifying mild airway narrowing in asymptomatic school going children using PEFV as a screening tool- Intramural project funded by AIIMS Jodhpur
3. Co-investigator in the project “Symptoms of depression in adolescents with asthma: a reason for non-adherence?”

**Examinership-**

1. MD Pulmonary Medicine examiner in SN Medical College, Jodhpur in Department of Pulmonary Medicine

**National/ International Conferences attended:**

1. NAPCON-2018 at Ahmedabad
2. European Respiratory Society Annual Conference 2018 at Paris, France

### **Workshops/ Conferences Organized**

1. Organizing “Thoracic Ultrasound Workshop- 2018” in Department of Pulmonary Medicine, AIIMS Jodhpur to train the Postgraduate Students and other delegates in thoracic ultrasound skills including Echocardiography on 9th September 2018.
2. Organizing CME and Workshop “AIIMS Somnocon- 2019” in Department of Pulmonary Medicine, AIIMS Jodhpur on the latest advances in the field of Sleep Medicine on 24<sup>th</sup> February 2019.
3. Organizing “Airway updates for residents” (Department of ENT) in AIIMS Jodhpur, on 15<sup>th</sup> and 16<sup>th</sup> March 2019.
4. Organizing HIV Symposium (Department of Medicine) at AIIMS Jodhpur on 30<sup>th</sup> Sep 2018.

**Name of Faculty: Dr. Nishant Kumar Chauhan**

**Designation: Associate Professor**

### **Paper presented:**

1. Oral presentation on “Vascular Patterns On Narrow Band Imaging Videobronchoscopy In Airways Of Patients With Suspected Lung Cancer And Its Relationship With Histopathology” presented at the Asian Pacific Congress on Bronchology & Interventional Pulmonology to be held at the Gold Coast, Australia in March 2019.

### **Paper published**

1. Kuwal A, Chauhan N, Dutt N, Elhence P, Advani M, Kumar S- Spontaneous Partial Regression of a Carcinoid Tumor: Radiology May Not Capture the Real Picture. Turk Thorac J. 2019; 20(2):153-156.

### **Session Chaired:**

1. Chaired a scientific session at BRONCOCON 2019 held at SGPGI, Lucknow from 8-10 February 2019.

### **Invited Lectures**

1. Delivered a lecture on Occupational Health at School of Public Health, AIIMS Jodhpur on 5.12.2018

### **Workshops/ Conferences Organized**

1. Organized “Thoracic Ultrasound Workshop- 2018” in Department of Pulmonary Medicine, AIIMS Jodhpur to train the Postgraduate Students and other delegates in thoracic ultrasound skills including Echocardiography on 9th September 2018.
2. Organized CME and Workshop “AIIMS Somnocon- 2019” in Department of Pulmonary Medicine, AIIMS Jodhpur on the latest advances in the field of Sleep Medicine on 24<sup>th</sup> February 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Assessment of diaphragm functions using ultrasonography among patients with COPD- non-funded, multicentric, in collaboration with AIIMS Delhi

➤ **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. 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
3. A study to explore the risk factors for Chronic Obstructive Pulmonary Disease (COPD) among women not exposed to tobacco smoke

❖ **Completed:**

➤ **As Principal Investigator**

1. A study of vascular patterns by using Narrow Band Imaging (NBI) videobronchoscopy in the evaluation of airways of patients with suspected lung cancer and its relationship with histology- Intramural project funded by AIIMS Jodhpur-Intramural

**National/ International Conferences attended:**

1. BRONCOCON 2019 held at SGPGI, Lucknow from 8-10 February 2019.
2. AIIMS Radiology course on 4th and 5th August 2018.
3. Principles of Cancer Epidemiology on 11th to 13th October 2018 at CMC Vellore.
4. International conference on bronchology and interventional pulmonology, APCB 27<sup>th</sup>-30<sup>th</sup> March 2019 at Gold Coast, Australia.

**Examinership**

1. MD thesis assessor for Respiratory Medicine at SN medical college, Jodhpur

**Name of Faculty: Dr. Ramniwas**  
**Designation: Assistant Professor**

**Papers**

**Pubmed Indexed:**

1. Niwas R, Chakrabarti S, Balasubramanian V, Sen MK, Suri JC. A rare case of squamous cell carcinoma lung with multiple locoregional recurrences and histological transformation. Lung India 2018;35:511-5.

2. Kumawat R, Gowda SH, Debnath E, Rashid S, Niwas R, Gupta Y, Upadaya AD, Suri A, Chandra PS, Gupta DK, Lakshmy R, Sarkar C, Sinha S, Chosdol K. Association of Single Nucleotide Polymorphisms (SNPs) in Genes Encoding for Folate Metabolising Enzymes with Glioma and Meningioma in Indian Population. Asian Pac J Cancer Prev. 2018 Dec 25;19(12):3415-3425.

**Workshops/ Conferences Organized:**

1. Organized “Thoracic Ultrasound Workshop- 2018” in Department of Pulmonary Medicine, AIIMS Jodhpur on 9th September 2018.
2. Organized Conference “AIIMS Somnocon- 2019” in Department of Pulmonary Medicine, AIIMS Jodhpur on the latest advances in the field of Sleep Medicine on 24<sup>th</sup> February.

**Papers Presented:**

1. Niwas R, Management of squamous cell carcinoma with critical central airway obstruction, ESMO Preceptorship on NSCLC;21 november 2018, Singapore

**Sessions Chaired:**

1. Pro Con Debate: Subsegmental Pulmonary Embolism Needs Aggressive Management, PACS India 2018,18 Aug 2018 , New Delhi.

**Invited Lectures**

1. Non Small Cell Lung Cancer-A case based approach, SJH PCS Course 2019, Safdarjung Hospital, New Delhi, 17 Feb 2019.
2. Squamous cell lung cancer with central airway obstruction” in ESMO Asia preceptorship NSCLC, , Singapore, 21 November 2018.
3. Foreign body removal: Flexible technique, Airway Update 2019, AIIMS Jodhpur, 15 March 2019.

**Symposium Speaker**

1. BLUE Protocol, Thoracic Ultrasound Workshop 2018, AIIMS Jodhpur, 09 September 2018
2. Case Based Panel discussion on OHS, AIIMS SOMNOCON 2019, AIIMS Jodhpur 24 February 2019.
3. Rendezvous with sleep software, AIIMS SOMNOCON 2019,AIIMS Jodhpur, 24 February 2019.

**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.

➤ **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.
3. Assessing The Accuracy Of Pleural Puncture Sites As Determined By Clinico-Radiological Examination Versus Ultrasound- A Prospective Study.
4. Accuracy Of Rapid Onsite Evaluation (Rose) By A Pulmonologist In Comparision To Rose Performed By A Pathologist In Transbronchial Needle Aspirations – A Prospective Study.

➤ **As Co-Investigator**

1. Co-investigator in a multi-centric project 'Assessment of diaphragm functions using ultrasonography among patients with COPD, (With AIIMS Delhi)

❖ **Completed:**

➤ **As Co-investigator:**

1. Reterospective analysis of role of VATS in various respiratory diseases at AIIMS, Jodhpur.

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

1. Indian Chest Society (ICS)
2. National College of Chest Physician(NCCP),India
3. European Respiratory Society (ERS)
4. Indian Sleep Disorder Association(ISDA)
5. Indian Sociaty for Study of Lung Cancer(ISSLC)
6. European Society of Medical Oncology(ESMO)

**National/ International Conferences attended:**

1. PACS India 2018, Metro hospital Noida,Hotel Holiday Inn, New Delhi,18 Aug 2018.
2. SJH PCS Course 2019, Safdarjung Hospital, New Delhi, 17 Feb 2019.
3. ERS Conference, 2018, ERS Congress, Paris Expo Porte De Versailles,15-19 Sept 2018.
4. ESMO Asia preceptorship NSCLC, ESMO Asia Congress , Singapore. 21 November2018
5. Airway Update 2019:Department of Otorhinolaryngology,AIIMS Jodhpur, 15 Mar 2019.
6. National workshop on good clinical practice,Dept of Pharmacology, AIIMS Jodhpur,4-5 Aug 2018.

## **Workshops/Conferences Report And Photos**

### **1. Thoracic Ultrasound Workshop (9<sup>th</sup> September 2018)**

A workshop on Thoracic Ultrasound was conducted by the Department of Pulmonary medicine, AIIMS Jodhpur on 9<sup>th</sup> of September 2018. Thoracic Ultrasound is now considered to be an essential bedside tool for point-of-care settings, beyond radiology departments worldwide. However, it still remains underutilized because of lack of adequate skills and expertise amongst physicians. This workshop was conducted with an aim to provide basic knowledge and develop practical skills related to thoracic ultrasound.

The workshop was organised under the guidance of the Dr Sanjeev Misra (Director, AIIMS Jodhpur). Dr Nishant Chauhan was the Organising secretary. Dr Naveen Dutt and Dr Ramniwas were the Joint Organising secretaries. The Chairman of the Organising committee was Dr Kuldeep Singh, Dean (Acad) and Co-Chairman, Dr Arvind Sinha, Medical Superintendent, AIIMS Jodhpur. Faculty from Christian Medical College Vellore, AIIMS New Delhi, St Johns medical college Bengaluru and AIIMS Jodhpur shared their knowledge and expertise with the delegates.

The One day workshop consisted of two parts – Interactive, focussed lectures and Practical hands-on sessions. Lectures were conducted in the morning session from 09:00 am to 1:00 pm in Lecture theatre-1 of the Medical College and Practical sessions were conducted from 02:00 pm to 05:00 pm in B-block of 4<sup>th</sup> floor of Out-patient department.

After a sumptuous breakfast, the programme started with felicitation of all Organising committee members and faculty with floral bouquets. Lamp lighting ceremony was graced by Dr Kuldeep Singh (Dean Academics); Dr Arvind Sinha (Medical Superintendent); Dr Nishant Chauhan and Dr Naveen Dutt (Associate Professor); Dr Ramniwas (Assistant Professor), Dr Priya Ramchandran (St Johns, Bangalore); Dr Richa Gupta (CMC, Vellore) and Dr Vijay Hadda (AIIMS, New Delhi). Dr Kuldeep Singh in his Presidential address reiterated the fact that Ultrasound has become an indispensable tool in the armamentarium of a respiratory physician and congratulated the organising team and the department for conceiving the idea and conducting a workshop on this topic. Dr Arvind Sinha also seconded the same thoughts. Dr Nishant Chauhan, in his keynote address reemphasized the importance of thoracic ultrasound and promised all delegates that this workshop will be a great academic feast. Vote of thanks was proposed by Dr Naveen Dutt. The event was well coordinated by senior residents of the department of pulmonary medicine.

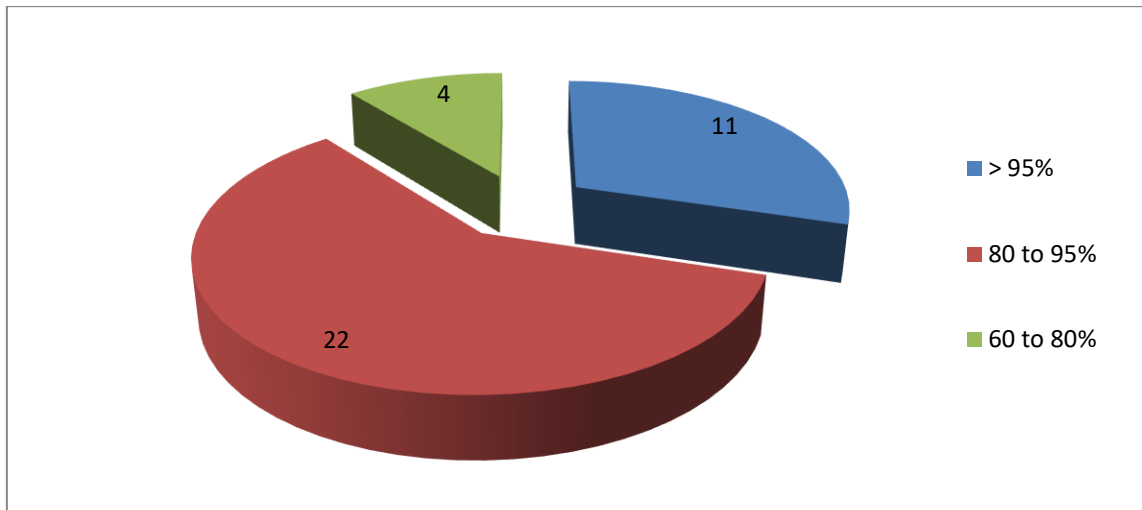
The academic feast kickstarted with Dr Priya Ramchandran introducing the delegates to the basics of Ultrasound physics and knobology. Dr Richa Gupta familiarised the delegates with the look of Pleura and lungs in normal individuals and in various pleuro-parenchymal disorders. Dr Priya Ramchandran talked on Cardiac Ultrasound and it was followed by tea and snacks. After short refreshment, Dr Ramniwas delivered a detailed presentation on BLUE Protocol. Dr Nishant Chauhan touched upon the topic of US guided interventions. Dr Vijay Hadda shared his experience on diaphragmatic assessment of respiratory disorders. Dr Naveen Dutt gave an overview of vascular diagnostic DVT study. All the lectures were studded with numerous video clips.

Immediate post-lunch practical sessions were conducted with live demo on patients and models, after taking prior consent from patients involved in the workshop. Delegates were divided into six groups and were rotated to cover six stations. They spent 30 minutes over each station. Skills Stations were facilitated by the Faculty and supported by the senior residents and technical staff. Delegates were able to practise on a wide variety of patients and models using ultrasound machines under the expert guidance of the concerned workstation faculty. Tea and snacks were served in between.



Dr Richa Gupta demonstrated US findings of Pleural effusion, pneumothorax and pneumonia. Dr Ramniwas demonstrated the various US signs and profiles of Blue protocol. Dr Vijay Hadda demonstrated the US appearance and identification of diaphragm. Dr Priya Ramchandran demonstrated the basic technique of cardiac ultrasound. Dr Naveen Dutt demonstrated the US signs of deep vein thrombosis. Dr Nishant Chauhan demonstrated the technique of various US guided interventions like US guided biopsy and US guided Central venous catheter insertion in various gel based and dead animal models.

Certificates were distributed at the end of the workshop after collecting the feedback forms. Workshop ended on a happy note with all delegates feeling satisfied and enriched.



Pie-chart depicting the overall rating (in percentage) given by delegates\*

\*Based on the number of feedback forms received



Active participation by faculty and delegates

## 2. REPORT OF AIIMS SOMNOCON 2019 (24<sup>th</sup> February 2019)

AIIMS SOMNOCON 2019, a CME and workshop in Sleep medicine was conducted by the Department of Pulmonary medicine, AIIMS Jodhpur on 24<sup>th</sup> of February 2019. Sleep disorders are still underdiagnosed in our country. So, this workshop was conducted with an aim to provide basic knowledge and develop practical skills related to sleep medicine.

The workshop was organised under the guidance of the Dr Sanjeev Misra (Director and CEO, AIIMS Jodhpur). Dr Ramniwas was the Organising secretary. Dr Naveen Dutt and Dr Nishant Chauhan were the Joint Organising secretaries. The Chairman of the Organising committee was Dr Kuldeep Singh and Co-Chairman, Dr Arvind Sinha. Eminent faculties from the department of Pulmonary medicine of VMMC, Safdarjung hospital and Department of Medicine, AIIMS, New Delhi shared their knowledge and expertise with the delegates.

The One-day CME and workshop consisted of two parts – Interactive, focussed lectures and Practical hands-on sessions. Lectures were conducted in the morning session from 09:00 am to 1:00 pm in Lecture theatre-1 of the Medical College and Practical sessions were conducted from 02:00 pm to 05:00 pm in the Multipurpose hall of 2nd floor of Medical college.

After a sumptuous breakfast, the programme started with felicitation of Dr Sanjeev Misra (Director and CEO, AIIMS, Jodhpur) and other organising committee members. Lamp lighting ceremony was graced by Dr Dr Sanjeev Misra, Dr MK Garg (Professor and Head, Department of Medicine); Dr Ramniwas (Assistant Professor), Dr Nishant Chauhan and Dr Naveen Dutt (Associate Professor). Dr Sanjeev Misra in his inaugural address congratulated the organising team and the department for conceiving the idea and conducting a workshop on this topic and promised all delegates that this workshop will be a great academic feast. The vote of thanks was proposed by Dr Ramniwas. The event was well coordinated by the executive committee members –Dr Sumita Agrawal, Dr Gopal Chawla, Dr Priyank Jain, Dr Kunal Deokar, Dr Shahir Asfahan, Dr Vinod Sharma, Dr Sanidhya Tak, Dr Sunil Agarwal, Dr Aneesa Shahul and Dr Benhur Joel Shadrach. The academic feast kickstarted with Dr JC Suri (Chairman – Medeor JCS Institute of Pulmonary, Critical care and Sleep medicine) introducing the delegates to the basics of Polysomnography. This session was chaired by Dr MK Garg and Dr CR Chaudhary (SNMC, Jodhpur). Dr JC Suri, in his next talk familiarised the delegates with staging of sleep and scoring of respiratory events. This session was chaired by Dr KC Agarwal (GMC, Pali) and Dr Rajendra Takhar (GMC, Kota). Dr MK Sen (Consultant Pulmonologist, VMMC and SJH, New Delhi) talked on titration during sleep study. This session was chaired by Dr Animesh Ray (AIIMS, New Delhi) and Dr Vikas Pilaniya (Consultant Pulmonologist, Manipal hospital, Jaipur). Dr JC Suri delivered a detailed presentation on Interpretation of Sleep study. This session was chaired by Dr MK Sen and Dr Dipak Bhattacharya (Consultant Pulmonologist, VMMC and SJH, New Delhi). Dr Dipak Bhattacharya gave an overview of newer modalities to treat OSA. This session was chaired by Dr Rahul Sharma (Consultant Pulmonologist, Metro hospital, Noida) and Dr Pranav Ish (Assistant Professor in Pulmonary medicine, VMMC and SJH, New Delhi). This was followed by a Case based panel discussion which was moderated by Dr Ramniwas. Expert panellists were Dr JC Suri, Dr MK Sen, Dr Dipak Bhattacharya, Dr Naveen Dutt, Dr Nishant Chauhan and Dr Animesh Ray. At the end, Quiz for the delegates was conducted by Dr Sumita Agrawal. Lunch was served in the examination hall at the ground floor.

For the workshop, Delegates were divided into four groups and were rotated so as to cover four stations. They spent 30 minutes over each station. Work Stations were facilitated by the Faculty and supported by the Senior Residents and technical staff.

Dr Nishant Chauhan and Dr Animesh Ray demonstrated the process of hooking up of a patient for polysomnography on station 1. Dr MK Sen and Dr Naveen Dutt made the delegates aware of various positive airway pressure (PAP) devices on station 2. Dr JC Suri and Dr Sumita Agrawal demonstrated various PAP interfaces on station 3. Dr Pranav Ish and Dr Ramniwas made the delegates aware of the software used for polysomnography on station 4. Certificates were distributed at the end of the workshop after collecting the feedback forms. The event was well compered by Dr Gopal Chawla and Dr Kunal Deokar. Workshop ended on a happy note with all delegates feeling satisfied and enriched.



Organising committee with faculty and delegates.



Session in progress

## Department of Radiation Oncology

S.No.	Name	Designation
1	Dr. Puneet Pareek	Associate 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.

Patients are currently offered radical and palliative care with 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.

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.

**Name of Faculty: Dr. Puneet Pareek**

**Designation: Associate Professor**

### Publications:

#### Papers:

1. Bajpai NK, Bajpayee A, Charan J, Pareek P, Elhence P, Kirubakaran R. "Interventions for Treating Antibody-Mediated Acute Rejection in Kidney Transplant Recipients." Edited by Cochrane Kidney and Transplant Group. Cochrane Database of Systematic Reviews, May 19, 2018.
2. Dwivedi S, Purohit P, Misra R, Lingeswaran M, Vishnoi JR, Pareek P, Misra S, and Sharma P. "Single Cell Omics of Breast Cancer: An Update on Characterization and Diagnosis." Indian Journal of Clinical Biochemistry, January 8, 2019.
3. Dwivedi S, Purohit P, Misra R, Pareek P, Vishnoi JR, Misra R, and Sharma P. "Methods for Isolation of High Quality and Quantity of MiRNA and Single Cell Suspension for Flow-Cytometry from Breast Cancer Tissue: A Comparative Analysis." Indian Journal of Clinical Biochemistry: IJCB 34, no. 1 (January 2019): 39–44.

4. Nag P, Thippampalli JR, and Pareek P. "Cutaneous Ewing's Sarcoma of Scalp with Lung Metastases in an Elderly Female: A Rare Case Report." *Clinical Cancer Investigation Journal* 8, no. 1 (2019): 33.
5. Dwivedi S, Pareek P, Vishnoi JR, Elhence P, Sharma P, and Misra S. "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, EuroMedLab 2019*, 493 (June 1, 2019): S8.
6. Narayan S and Pareek P. "157PEpidemiological Parameters and Survival Outcome of Gall Bladder Cancer: A North West India Based Institution Study." *Annals of Oncology* 29, no. suppl\_9 (November 1, 2018).

### **Books/Chapters**

1. Shukla KK, Sankanagoudar S, Sanganeria BS, Pareek P, Vishnoi JR, Misra S, and Sharma P. "Recent Advances in Molecular Diagnostic Approaches for Cancer." In *Molecular Diagnostics in Cancer Patients*, 1–9. Singapore: Springer Singapore, 2019.
2. Dwivedi S, Misra R, Purohit P, Vishnoi JR, Pareek P, Goel A, Khattri S, Sharma P, Pant KK, and Misra S. "Molecular Diagnosis in Ovarian Carcinoma." In *Molecular Diagnostics in Cancer Patients*, 323–41. Singapore: Springer Singapore, 2019.
3. Dwivedi S, Purohit P, Misra R, Vishnoi JR, Goel A, Pareek P, Khattri S, Sharma P, Misra S, and Pant KK. "Precision Medicine in Ovarian Carcinoma." In *Precision Medicine in Cancers and Non-Communicable Diseases*, by Debmalya Barh, 145–71, 1st ed. Boca Raton, FL: CRC Press, 2019.: CRC Press, 2018.

### **Research Project:**

#### **❖ Ongoing:**

#### **➤ As Principal Investigator**

1. "Evaluating the dynamics of breast cancer stem cells and miRNA 155 in patients undergoing systemic neo-adjuvant or palliative chemotherapy for breast cancer"

### **Examinership:**

1. Examiner for Thesis Evaluation and MD Exam for MD Radiotherapy in S. N. Medical College and Hospitals, Jodhpur.

## 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:

Since its inception in June 2017, the Department of Surgical Gastroenterology (G.I. Surgery) has progressed both in patient management and academic achievements. The department is managing the complex gastrointestinal as well as hepato-pancreato-biliary (HPB) disorders and encountering patients not only from proximate cities but also from nearby states. We are offering up-to-date facility for comprehensive management of both benign and malignant Gastrointestinal & HPB disorders. We have also started the Robotic GI surgery in our department from June 2018.

### Education

The Department of Surgical Gastroenterology has started the M.Ch. program from July 2018 with admission of two students per year. The academic activities include a weekly presentations of journal club, seminar, abstracts from recently published articles, ward audit and discussions on research and dissertation projects. Beside these, radiology and histopathology meet are held every fortnightly. Apart from this, the department is actively involved in the teaching of Undergraduate through didactic lectures, PBL and UNCLE. The Post-graduate students from General Surgery are also being posted in the department on rotation basis.

### Patient Care

**Out Patients:** Our OPD is fully functional 5 days a week, in the C block, 2<sup>nd</sup> floor of OPD Block (Room No.- 244/245). Our department policy is to provide fast-track treatment to all patients who are suffering from gastrointestinal disorders. We use to run a separate GI oncology clinic every Wednesday. The comprehensive follow up records are maintained for all patients who were operated in our department. Total number of patients seen: 4396 [2572 (New) + 1824 (Old)]

**Inpatients: IPD wards are** separate for male and female along with general, semi-private and private rooms. Patients are thoroughly evaluated pre-operatively and given care in post-operative period. Printed discharge summary is handed over to all the patients and soft copies of both operative and discharge summary are maintained.

Total Admission: 396; Total Surgical procedures: 177 (Elective: 152, Emergencies: 25)

**Compiled list of Publications of the department:**

**Pubmed Indexed:**

1. Varshney VK, Soni SC, Yadav T, Puranik A, Elhence P. Amebic colonic stricture: An unusual presentation Trop Parasitol. 2018 Jul-Dec;8(2):98-100.
2. 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. 2018 Nov 6.
3. Varshney VK, Bharti JN, Sureka B, Soni SC. Gallbladder Carcinosarcoma with Mirizzi Syndrome: a Rare Presentation. J Gastrointest Cancer. 2018 Sep 4.
4. Varshney VK, Soni SC, Kumari M, Garg PK, Puranik A. Thoracoscopic oesophagectomy for end-stage achalasia. J Minim Access Surg. 2018 Jul-Sep;14(3):253-255.
5. Parasar K, Saluja SS, Varshney VK, Deepak B, Mishra PK. Early recurrence after laparoscopic radical cholecystectomy in a patient with gallbladder cancer. J Minim Access Surg. 2019 Jan-Mar;15(1):74-76.
6. Parasar K, Varshney VK, Mishra PK, Saluja SS. Gall Bladder Carcinoma in Patients with Portal Hypertension. Am Surg. 2018 Dec 1;84(12):510-513.

**Non-Pubmed Indexed:**

1. Goyal K, Hussain S, Garg PK, Bhargava N, Varshney VK. Endoscopic biliary stenting for portal biliopathy perforating paracholedochal collateral: A rare complication. J Dig Endosc 2019;10:64-6.

**Conference Organized:**

1. Robotic Surgery: Expanding Horizons- Masterclass with CME. Organized in collaboration with department of Urology; Venue: Auditorium, AIIMS, Jodhpur; 29<sup>th</sup> – 30<sup>th</sup> November 2018

**Name of Faculty: Dr. Vaibhav Kumar Varshney**

**Designation: Assistant Professor**

**Books/Chapters**

1. Saluja S, Varshney V. Corrosive Injuries of the Oesophagus. GI Surgery Annual. Dr. Peush Sahni (Editor); 24<sup>th</sup> ed., Delhi, Springer, 2018; Chapter 1.

**Papers Presented:**

1. Varshney V. Multifocal Insulinoma in MEN-1: Is it adequate to remove the dominant lesion? 16<sup>th</sup> IHPBA-Indian Chapter conference, 15<sup>th</sup> – 17<sup>th</sup> Feb. 2019, Jaipur
2. Varshney V, Yadav T, Elhence P, Sureka B. Preoperative diagnosis of Pancreatic Schwannoma – Myth or Reality. 16<sup>th</sup> IHPBA-Indian Chapter conference, 15<sup>th</sup> -17<sup>th</sup> Feb. 2019, Jaipur

3. Varshney V, Rao M, Soni S, Sureka B. Synchronous Adeno-squamous carcinoma of Gall bladder and Adenocarcinoma of Common bile duct: Is Hepato-Pancreatico-duodenectomy worth it? 28<sup>th</sup> IASGCON, 03<sup>rd</sup> -06<sup>th</sup> Oct. 2018, Chandigarh.
4. Varshney V, Soni S, Pandey H, Shekhar S, Yadav T, Khera P. Ileo-Ureteric and Ileo-Uterine Fistula: Diagnostic Enigma- 28<sup>th</sup> IASGCON, 03<sup>rd</sup> -06<sup>th</sup> Oct. 2018, Chandigarh.

#### **Sessions Chaired:**

1. Expert Opinion in LDLT. 16<sup>th</sup> International Hepato-Pancreatic-Biliary Association-Indian Chapter conference. 15<sup>th</sup> -17<sup>th</sup> Feb. 2019, Jaipur.
2. Endotraining Session. Pediatric Endoscopic Surgeons of India Annual Conference (PESICON) at February 2019, AIIMS, Jodhpur.
3. 28<sup>th</sup> Indian Association of Surgical Gastroenterologist Conference, October 2018, Chandigarh.
4. Robotic surgery in Gynecological practice. Robotic Surgery: Expanding Horizons- Masterclass with CME; November 2018, AIIMS Jodhpur.

#### **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/Patents**

1. Best poster presentation on topic "Ileo-ureteric and Ileo-uterine fistula: Diagnostic Enigma" in 28<sup>th</sup> IASGCON, Chandigarh, October 2018

#### **Membership in Society or Association**

1. Member of Royal College of Surgeons (MRCS- ENGLAND)- September 2018
2. Fellow of Minimal Access Surgery (FMAS)- AMASI – November 2018

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

1. 16<sup>th</sup> International Hepato-Pancreato-Biliary Association (IHPBA) - Indian Chapter conference at Jaipur, February 2019
2. Pediatric Endoscopic Surgeons of India Annual Conference (PESICON) at AIIMS, Jodhpur February 2019



3. 28<sup>th</sup> Indian Association of Surgical Gastroenterology Conference (IASGCON), Chandigarh, October 2018P
4. Robotic Surgery: Expanding Horizons- Masterclass with CME; AIIMS Jodhpur, November 2018 – Member of organizing committee.

**Name of Faculty: Dr. Subhash Chandra Soni**

**Designation: Assistant Professor**

**Conference conducted:**

1. Co-Organizing Secretary, "Robotic Surgery: Expanding Horizons". Masterclass with CME 29<sup>th</sup> – 30<sup>th</sup> November 2018 Venue Auditorium, AIIMS, Jodhpur

**Sessions Chaired:**

1. 28<sup>th</sup> Annual Conference of the Indian Association of Surgical Gastroenterology (IASGCON 2018) to be held from 3<sup>rd</sup> to 6<sup>th</sup> October, 2018 at PGIMER, Chandigarh .
2. Expert Opinion in LDLT. 16<sup>th</sup> International Hepato-Pancreatic-Biliary Association-Indian Chapter conference. 15<sup>th</sup> -17<sup>th</sup> Feb. 2019, Jaipur.
3. "Robotic Surgery: Expanding Horizons". Masterclass with CME 29<sup>th</sup> – 30<sup>th</sup> November 2018, 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.

**National/ International Conferences attended:**

1. 28<sup>th</sup> Annual Conference of the Indian Association of Surgical Gastroenterology (IASGCON 2018) to be held from 3<sup>rd</sup> to 6<sup>th</sup> October, 2018 at PGIMER, Chandigarh .
2. 16<sup>th</sup> Annual National Conference of the Indian Chapter of International HepatoPancreatoBiliary Association (IHPBA INDIA 2019), 15<sup>th</sup> -17<sup>th</sup> February 2019, at Jaipur Rajasthan.
3. "Robotic Surgery: Expanding Horizons". Masterclass with CME 29<sup>th</sup> – 30<sup>th</sup> November 2018 Venue Auditorium, AIIMS, Jodhpur

## Department of Surgical Oncology

S. No.	Name	Designation
1.	Dr. Jeewan Ram	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 2018 to 31<sup>st</sup> March 2019, 3268 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 1289 number of all 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 three days a week (Monday, Tuesday, and Thursday, 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:

1. Dwivedi S, Purohit P, Misra R, Pareek P, Vishnoi JR, Misra S, Sharma P. Methods for isolation of high quality and quantity of miRNA and single cell suspension for flow-cytometry from breast cancer tissue: a comparative analysis. *Indian J Clin Biochem* 2019; 34:39-44.
2. Elhence PA, Rao M, Vishnoi JR, Meena V. Jejunal leiomyosarcoma: Report of a rare case diagnosed on cytology. *Diagn Cytopathol* 2018 [ Epub ahead of print]
3. Dwivedi S, Purohit P, Misra R, Lingeswaran M, Vishnoi JR, Pareek P, Misra S, Sharma P. Single Cell Omics of Breast Cancer: An Update on Characterization and Diagnosis. *Indian J Clin Biochem* 2019; 34:3-18.
4. Kala PC, Sahu RK, Vishnoi JR, Puranik A. A case of giant squamous cell carcinoma arising from hidradenitis suppurativa: an unusual presentation. *Indian J Surg* 2019

**Workshops/ Conferences Organized:**

1. Masterclass with CME “Robotic Surgery- Expanding Horizons.” Joint Organizing Secretary, AIIMS Jodhpur, 29<sup>th</sup>-30<sup>th</sup> November 2018.

**Name of Faculty: Dr. Jeewan Ram**

**Designation: Assistant Professor**

**Books/Chapters**

1. Dwivedi S, Misra R Purohit P, Vishnoi JR, Pareek P Goel A, Khattri S. Sharma P, Pant KK, Misra S. Molecular Diagnosis in Ovarian Carcinoma. In: Molecular Diagnostics in Cancer Patients, Shukla K, Sharma P, Misra S (editors), 1<sup>st</sup> edition, Singapore, Springer 2019; 323-41.
2. Shukla K.K, Sankanagoudar S, Sanganerla BS, Pareek P, Ram J, Misra S, Sharma P. Recent Advances in Molecular Diagnostic Approaches for Cancer. In: Molecular Diagnostics in Cancer Patients, Shukla K, Sharma P, Misra S (editors), 1<sup>st</sup> edition, Singapore, Springer 2019; 1-9.
3. Dwivedi S Purohit P, Misra R Vishnoi JR, Goel A, Pareek P, Khattri S, Sharma P, Misra S, Pant KK. Precision medicine in Ovarian Carcinoma. In: Precision Medicine in Cancers and Non-communicable Diseases, Barh D (editor), 1<sup>st</sup> edition, Boca Raton, CRC Press 2018; 145-72

**Papers Presented:**

1. Vishnoi JR. A video on Robotic Low Anterior Resection (Rectal Cancer). Mid-Term Conference of Indian Association of Surgical Oncology, 2nd -3<sup>rd</sup> March 2019, Mount Abu. Received prize money.
2. Vishnoi JR. A video on robotic total hysterectomy, BSO, bilateral pelvic lymph node dissection and omentectomy. Masterclass with CME “Robotic Surgery- Expanding Horizons”: 29<sup>th</sup>-30<sup>th</sup> Nov 2018, AIIMS, Jodhpur.
3. Vishnoi JR. Is it feasible to perform sentinel lymph node biopsy with only blue dye in early oral cancer? 18<sup>th</sup> Annual Meeting of the Chinese Society of Clinical Oncology (CSCO), 19<sup>th</sup> - 23<sup>rd</sup> Sep 2018, Xiamen, China.

**Sessions Chaired:**

1. Controversies and challenges in breast cancer, 7<sup>th</sup> Annual Conference and Workshop of Association of Breast Surgeons of India (ABSICON); 9<sup>th</sup> -11<sup>th</sup> Nov 2018, AIIMS, New Delhi.

**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.

**Scientific Awards/Patents**

1. Travel Award, 18<sup>th</sup> Annual Meeting of the Chinese Society of Clinical Oncology (CSCO), Xiamen, China, 19<sup>th</sup> - 23<sup>rd</sup> Sep 2018.
2. Travel Award, Preceptorship on Gastrointestinal Tumors, European Society of Medical Oncology (ESMO), Singapore, 20<sup>th</sup> - 22<sup>nd</sup> Nov 2018.

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

1. Elected as Member of the National Academy of Medical Sciences (India) "MAMS" in the 58<sup>th</sup> Annual Conference of the National Academy of Medical Sciences, Pondicherry on 27<sup>th</sup> October 2018.

**National/ International Conferences attended:**

1. 18<sup>th</sup> Annual Meeting of the Chinese Society of Clinical Oncology (CSCO), Xiamen, China, 19<sup>th</sup> - 23<sup>rd</sup> Sep 2018.
2. Preceptorship on Gastrointestinal Tumors, European Society of Medical Oncology (ESMO), Singapore, 20<sup>th</sup> - 22<sup>nd</sup> Nov 2018.
3. 58<sup>th</sup> Annual Conference of the National Academy of Medical Sciences, Pondicherry 27<sup>th</sup>-29<sup>th</sup> Oct 2018.
4. 7<sup>th</sup> Annual Conference and Workshop of Association of Breast Surgeons of India (ABSICON), New Delhi, 9<sup>th</sup> -11<sup>th</sup> Nov 2018.
5. Mid-Term Conference of Indian Association of Surgical Oncology, Mount Abu. 2<sup>nd</sup> -3<sup>rd</sup> March 2019.

## Department of Transfusion Medicine & Blood Bank

S.No.	Name	Designation
1	Dr. Archana Bajpayee	Associate Professor
2	Dr. Saptarshi Mandal	Associate Professor

### About the Department:

In January 2019 the Blood-Bank completed four years. In four years, the Department has expanded rapidly to provide a gamut of transfusion services including patient blood management, many therapeutic-apheresis modalities, advanced immunohematology testing, modified blood components including irradiated and leukoreduced products and autologous cellular products like PRP, PRF, CGF etc.

**Post Graduate Training:** The Dept. started PG training in mid-2017 and currently four MD Transfusion-Medicine candidates and a PDCC (Post-Doctoral-Certification-Course in Apheresis and Component Therapy) candidate are under training.

**Hospital Transfusion Committee (HTC):** The first HTC meeting was conducted in March 2019 and steps towards increasing voluntary donations, restrictive transfusion thresholds minimizing unnecessary prophylactic transfusions, single-unit-transfusion-policy and use of autologous-blood during surgeries were undertaken.

**Blood & Platelet Donations:** This year 3787 donors were screened, 3126 donated, including 66 apheresis donors, 2289 (75%) voluntary, & from 43 camps 1649 units. A Voluntary-Donor-Register and ID-NAT-tested-voluntary-SDAP-donor-pool are being maintained.

**Transfusion transmitted Infection screening:** Parallel ELISA+ID-NAT screening are done for HIV, HBV & HCV in addition to conventional syphilis (RPR) and malaria (Rapid) screens found 59 donors seroreactive (1.89%), 44 Hepatitis B (1.40%), 1 HIV (0.03%), 9 HCV (0.29%), 4 RPR (0.13%) and 1 malaria (0.03). Six Hepatitis B transmissions were prevented by ID-NAT screening with 2 NAT-yield (ie ELISA Negative). Positive donors were called for counselling, referral & follow up.

**Component Preparation:** During this year 8542 components were made (17% increase from last year): Packed-Red-Blood-Cells (PRBC) 3043 (21% increase), Fresh-Frozen-Plasma (FFP) 2904 (32% increase), Random-Donor-Platelet (RDP) 2193 (4% increase), Single-Donor-Apheresis-Platelet (SDAP) 126, Cryoprecipitate (CRYO) 138, and CryoPoor Plasma (CPP) 138. For pediatric and other needy patients, modifications e.g. split-units, leukofiltered-units, reconstituted-whole-blood for exchange transfusion etc., were done prior to issuing as on demand basis. Irradiated components were available to patients at risk for Transfusion-Associated-Graft-Versus-Host-Disease (TA-GVHD) eg aplastic anemia, immunocompromise, premature-infants, neonatal exchange-transfusions etc.

**Issue of Components:** This year 6945 components were issued (39% increase) including 3015 PRBCs (24% increase), 2327 FFP (74% increase), 1358 RDP (49% increase), 114 SDAPs from 66 plateletapheresis procedure and 65 Cryoprecipitate.

**Apheresis:** AIIMS Jodhpur Blood Bank has two apheresis machines— one dedicated for donation (Trima Accel) performed 66 plateletapheresis, and the other Cobe Spectra, which is dual purpose, has performed 88 Therapeutic Apheresis procedures. Therapeutic apheresis has been done for conditions including GBS, aHUS, TTP, Polycythemia vera with Thrombocytosis, ANCA associated vasculitis with RPGN and AAV with DAH, multiple myeloma, AIDP, Goodpasture syndrome, Coombs negative AIHA etc.

**Therapeutic Phlebotomy:** this important modality of treatment has been performed on 45 occasions this year for primary & secondary polycythemias and iron overload.

**Platelet rich Plasma/fibrin (PRP/PRF):** During this year, as a therapeutic service, the blood bank prepared injectable autologous PRP/PRF/CGF for 231 procedures in the departments of Orthopedics, Physical medicine & rehabilitation, Dermatology & Dentistry.

**Immunohematology:** The Blood Bank has been providing regular immunohematology (10360 patient blood grouping, 4348 crossmatching, 3640 coombs tests, Antibody screen and titre) and 12 specialized diagnostic services including evaluation for hemolytic anemia and PNH (Ham's test and sucrose lysis test).

**New Instruments:** Blood component Irradiator was installed in the department and licensed for operation in October 2018.

#### **Compiled list of Publications of the department:**

##### **Pubmed Indexed:**

1. Gonnade N, Bajpayee A, Elhence A, Lokhande V, Mehta N, Mishra M, Kaur A. Regenerative efficacy of therapeutic quality platelet-rich plasma injections versus phonophoresis with kinesiotaping for the treatment of chronic plantar fasciitis: A prospective randomized pilot study. *Asian J Transfus Sci.* 2018 Jul-Dec 12(2) 105-111
2. Bajpayee, A., Charan, J., Pareek, P., Elhence, P., Kirubakaran, R. and Bajpai, N.K., 2018. Interventions for treating antibody-mediated acute rejection in kidney transplant recipients. *The Cochrane database of systematic reviews*, 2018(5).

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

1. Mandal S. & Deora S. "Semiselective LDL apheresis (evaflux 5a) and plasma exchanges for the management of a pediatric patient with signs of Familial Hypercholesterolemia and first in country (India) attempts of Vortex port and COBE Spectra for this purpose." Poster at American Society for Apheresis (ASFA) Annual Meeting 2018, Chicago, IL, April 25 - 28. Abstract Published in: *Journal of Clinical Apheresis*, Volume 33, Issue 2, April 2018, p188-190.
2. Mandal S. "Common Pitfalls in Testing and Interpretation of D dimers" Brown Bag Talk at American Association for Clinical Chemistry (AACC) Annual Scientific Meeting & Lab Expo, July 30-Aug2, 2018, Chicago, IL, USA: 1 hr AMA Category 1 CME talks: Jul 31, 2018 Session 43129: 7:30—8:30 AM, Session 53229: 12:30—1:30 PM. Session Overview published in AACC 2018 Scientific Brochures & Guide p63

3. Mandal S. "How Blood Tests are Affected by Transfusion or Apheresis." Brown Bag Talk at American Association for Clinical Chemistry (AACC) Annual Scientific Meeting & Lab Expo, July 30-Aug2, 2018, Chicago, IL, USA: 1 hr AMA Category 1 CME talks: August 1<sup>st</sup>, Session 44130: 7:30—8:30 AM, Session 54230: 12:30—1:30 PM. Session overview published in AACC 2018 Scientific Brochures & Guide P83
4. Babu Anne, P., Bajpayee, A\*, Sharma, A., Mandal, S., Khan, A. "Comprehensive approach for ensuring Blood safety in AIIMS Jodhpur" \*Corresponding author. Abstract for Poster awarded 1st prize at International symposium on blood safety 29-30 Nov. 2018, jointly organized by Department of Transfusion Medicine, PGIMER, Chandigarh and the International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands.
5. Khan, A., Sharma, N., Arora, H., Babu Anne, P., Bajpayee, A., Elhence, p., Mandal S. "Functional Sensitivity Verification of Hemoglobin Measurements by 'HemoCue® Plasma/Low Hb' in Comparison with 'HemoCue Hb201+', and two Automated Hematology Analysers 'Sysmex XP100' (3-Part analyser) & 'Sysmex XN1000' (5-part analyser)." Abstract for Poster at PGI-ISBT International symposium on blood safety 29-30 Nov. 2018.

**Name of Faculty: Dr. Archana Bajpayee**

**Designation: Associate Professor**

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

1. Dr. Bajpayee A. Course writer and editor of IGNOU Self Learning Materials (SLM) for PRACTICAL Certificate in Phlebotomy Assistance Programme (CPA)

#### **Papers Presented:**

1. Babu Anne, P., Bajpayee, A., Sharma, A., Mandal, S., Khan, A. "Comprehensive approach for ensuring Blood safety in AIIMS Jodhpur". Poster awarded 1st prize at International symposium on blood safety 29-30 Nov. 2018, jointly organized by Department of Transfusion Medicine, PGIMER, Chandigarh and the International Society of Blood Transfusion (ISBT), Amsterdam, Netherlands.
2. Khan, A., Sharma, N., Arora, H., Babu Anne, P., Bajpayee, A., Elhence, P., Mandal S\*. "Functional Sensitivity Verification of Hemoglobin Measurements by 'HemoCue® Plasma/Low Hb' in Comparison with 'HemoCue Hb201+', and two Automated Hematology Analysers 'Sysmex XP100' (3-Part analyser) & 'Sysmex XN1000' (5-part analyser)." Poster at PGI-ISBT International symposium on blood safety 29-30 Nov. 2018.

#### **Invited Lectures**

1. Bajpayee A. "Patient blood management" Talk in CME "Clinicians For Rational Use of Blood" 22nd and 23rd March 2019.

#### **Resource Faculty:**

1. CME "NAT: A Promise for Safer Transfusion" 29th August 2018, AIIMS, Rishikesh.
2. PGIMER, Chandigarh, "Workshop on Advanced Immunohematology on 29th November, 2018.
3. Nominated for Exposure team for studying ID-NAT technology by Health Services and Project Director, Chhattisgarh State AIDS control society, Raipur.

### **Research Project:**

#### **❖ Ongoing:**

##### **➤ As Co-Investigator**

1. “Red cell Alloimmunization among antenatal women attending AIIMS, Jodhpur and Feto-maternal outcome.”
2. “A quantitative assessment of changes in inflammatory cytokines in patients undergoing cardiac surgeries with allogenic and autologous blood transfusion”

#### **❖ Completed:**

##### **➤ As Principal Investigator**

1. Non-Funded RCT “Comparative efficacy of Platelet rich plasma versus phonophoresis & tapping in chronic plantar fasciitis patients”. Manuscript published

### **Scientific Awards/Patents**

1. Awarded Novartis Transplant Fellowship in 29th Annual conference of Indian Society of Organ Transplantation Hyderabad October 5-7, 2018

### **Examinership**

1. Postgraduate Examiner for MD & Diploma Immunohematology and Blood Transfusion( IHBT) Practical Exams in SMS Jaipur, 29-30 June 2018.

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

1. Reviewer in ISBT science series an official journal of International society of Blood Transfusion.
2. Reviewer in International Journal of Health & Allied Sciences.
3. Member of International Society of Blood Transfusion (ISBT)
4. Lifetime member of Asian association of Transfusion Medicine.
5. Lifetime Member of Indian Society of Transfusion Medicine (ISTM)
6. Lifetime Member of Indian Society of Blood Transfusion & Immunohaematology (ISBTI)

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

1. 35th International Congress of the ISBT held in Toronto from June 2-6, 2018 (Poster presenter)
2. Workshop “HLA and transplant Immunology” 16-28 July, 2018, BMST, Bangalore (Trainee).

**Name of Faculty: Dr. Saptarshi Mandal**

**Designation: Assistant Professor**

### **Books/Chapters**

1. Hazra A. and Mandal S. [Author]. Angiogenesis and Roles of Adhesion Molecules in Psoriatic Disease. In: Psoriasis & Psoriatic Arthritis; Raychaudhury SP, Raychaudhury SK and Bagchi D [Editor] First Edition: © 2018, Taylor & Francis - CRC Press, Boca Raton, FL, USA, Section II (Pathogenesis): Chapter 5, p 53-121 (68-page chapter in international textbook also on Expertconsult).



**Papers Presented:**

1. Presented Poster at ASFA 2018 Chicago, USA: Mandal S & Deora S. "Semiselective LDL apheresis (evaflux 5a) and plasma exchanges for the management of a pediatric patient with signs of Familial Hypercholesterolemia and first in country (India) attempts of Vortex port and COBE Spectra for this purpose." Poster at American Society for Apheresis (ASFA) Annual Meeting 2018, Chicago, IL, USA April 25 – 28, 2018.

**Sessions Chaired:**

1. Session chair and speaker for AABB (American Association of Blood Banks) 2019 "Principles and Troubleshooting of Apheresis: Understanding How It All Works with As Little Math As Possible", to be held at 7:00-8:30 AM October 22 2019 at AABB Annual Meeting, San Antonio, TX, USA.

**Invited Lectures**

1. S Mandal, Speaker on "Blood Component Storage Lesions & Novel Quality indicators" in Research collaborative meeting of AIIMS, Jodhpur and IIT, Jodhpur schedule on 9th April, 2018

**Symposium Speaker**

1. S Mandal, Speaker cum Moderator\_for two 1 hr interactive talks: "How Blood Tests are Affected by Transfusion or Apheresis." August 1<sup>st</sup>, Session 44130: 7:30—8:30 AM, Session 54230: 12:30—1:30 PM: at AACC (American Association for Clinical Chemistry, 2018 at **Chicago**, IL, USA.
2. S Mandal, Speaker cum Moderator\_for two 1 hr interactive talks: "Common Pitfalls in Testing and Interpretation of D dimers" (July 31<sup>st</sup>, Session 43129: 7:30—8:30 AM, Session 53229: 12:30—1:30 PM): Two talk sessions, one hour each at AACC (American Association for Clinical Chemistry, 2018 at Chicago, IL, USA.

**Resource Faculty:**

1. AABB (American Association for Blood Banks) Therapeutic Apheresis Subcommittee Teleconferences.
2. Review of 20<sup>th</sup> edition for AABB Technical Manual (Acknowledged for contributing corrections to Chapter 25, Therapeutic Apheresis)
3. ASFA (American Society for Apheresis) Internal Affairs Committee Teleconferences.

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

1. Evaluation of cell-free DNA and miRNA in blood bags in relation to storage lesions and quality parameters of PRBC units

➤ **As Co-Investigator**

1. Post-operative bleeding in patients on Aspirin therapy regimens: A observational study
2. 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
3. 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

❖ **Completed:**

➤ **As Co-Investigator**

1. Correlation of circulating endothelial progenitor cells with endothelial function in cases with metabolic syndrome; with PI Dr Pradeep Dwivedi, Dept of Pharmacology

**Scientific Awards/Patents**

1. Supervised MD Thesis (1<sup>st</sup> Batch of MD from Dept) won ICMR thesis award (Rs 50,000 awarded to top 50 MD/MD/DM/Mch Thesis from India per cycle of 6 months).
2. Supervised MBBS student research selected for ICMR STS 2019 award.

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

Member of International Professional Organizations:

1. AABB (American Association of Blood Banks) [Including Therapeutic Apheresis Subcommittee]
2. AACC (American Association for Clinical Chemistry),
3. ASFA (American Society for Apheresis) [Including international Affairs committee]
4. ASCP (American Society for Clinical Pathology),
5. ISTH (International Society on Thrombosis & Hemostasis) [ Multiple SSCs ie Scientific Sub Committees]
6. Reviewer for Journals:
  - ✓ BMJ Case reports
  - ✓ International Journal of User Driven Health Care (IGI Global)
  - ✓ Indian Journal of Physiology and Pharmacology

**National/ International Conferences attended:**

1. American Society for Apheresis (ASFA) Annual Meeting April 25-28, 2018 at Chicago IL, USA
2. Visit to Transplant Immunology and Immunogenetics Laboratory, Department of Pathology, University of Chicago April 30-May 9 2018
3. American Association for Clinical Chemistry (AACC) Annual Meeting and Lab Expo July 29-Aug 2 at Chicago, IL, USA

## Department of Trauma & Emergency

S.No.	Name	Designation
1	Dr. Mahaveer Singh Rodha	Associate Professor (General Surgery)
2	Dr. Ankur Sharma	Assistant Professor (Anaesthesiology)
3	Dr. Kamla Kant Shukla	Assistant Professor (Biochemistry)
4	Dr. Rahul Choudhary	Assistant Professor (Cardiology)
5	Dr. Nilesh Barwar	Assistant Professor (Orthopaedics)
6	Dr. Bharat Choudhary	Assistant Professor (Pediatrics)
7	Dr. Surendra Patel	Assistant Professor (Cardiothoracic Surgery)
8	Dr. Manisha Jhirwal	Assistant Professor (Obstetrics & Gynaecology)
9	Dr. Pawan Kumar Dixit	Assistant Professor (Burns & Plastic Surgery)
10	Dr. Kokkula Praneeth	Assistant Professor (Neurosurgery)

### About the Department:

Trauma and Emergency Department started functioning in 2017. Specialists from various departments are available to provide patient care. The emergency services consist of triage beds on ground floor where patients are triaged for initial management. Ventilator services are also available. Round the clock medical support and backup services are available.

**Name of Faculty: Dr. Mahaveer Singh Rodha**

**Designation: Associate Professor, Trauma & Emergency (General Surgery)**

### Papers Presented:

1. **Presented poster: As Co-Authors:** "Role of VATS in respiratory disease – Experience at a tertiary care Centre in Western India" at the TSANZSRS-2019 (Annual Conference of Thoracic Society of Australia and New Zealand) 29<sup>th</sup> March to 2<sup>nd</sup> April 2019, Gold Coast, Australia.

### Sessions Chaired:

1. As Chairperson in "PESICON-2019" Pediatric Endoscopic Surgeons of India Annual conference at AIIMS, Jodhpur from 14<sup>th</sup> to 17<sup>th</sup> February 2019.
2. As Chairperson in "ENDOSURG-2019" at AIIMS, New Delhi from 19<sup>th</sup> April to 23<sup>rd</sup> April 2018.
3. As Chairperson in "ASICON-2018" at Chennai from 26<sup>th</sup> to 30<sup>th</sup> December 2018.

### Invited Lectures

1. Successfully completed "Training on Robotics Surgical System" at Kochi from 24<sup>th</sup> September to 27<sup>th</sup> September 2018.
2. Successfully completed Advance Trauma Life Support India Program (ATLS Course)" at Jaipur from 8<sup>th</sup> to 9<sup>th</sup> February 2019.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. A Feasibility Study of Clinical, Radiological and Pathological response to Neo-adjuvant Chemotherapy with use of Radiopaque Marker in Locally Advanced Breast Cancers undergoing surgery.

➤ **As Co-Investigator**

1. Retrospective analysis of role of VATS in various respiratory diseases at AIIMS, Jodhpur.
2. The study of anatomical variations during axillary dissection
3. Role of perforin in metabolic inflammation : A comparison of Type 2 Diabetes Mellitus and Healthy controls

❖ **Completed:**

➤ **As Co-Investigator**

1. A study of efficacy of methylene blue and clinico-pathological factors associated with false negative Sentinel Lymph Node Biopsy (SLNB) in early breast cancer.

**National/ International Conferences attended:**

1. "IAGES Silver Jubilee International Cruise Conference 2018" for Poster presentation on abstract "Multiple bilateral groin hernia: Diagnostic and treatment challenge: A case report and literature review" at Kochi- Male (Maldives) from 10<sup>th</sup> to 17<sup>th</sup> December 2018.
2. Successfully participated and presented teaching video in "Minimal Invasive Surgery week 2018" at New York, USA from 29<sup>th</sup> August to 1<sup>st</sup> September 2018.
3. ASICON-2018 at Chennai from 26<sup>th</sup> to 30<sup>th</sup> December 2018.

**Name of faculty: Dr. Ankur Sharma**

**Designation: Assistant Professor, Trauma and Emergency (Anaesthesiology)**

**Books/Chapters**

1. Kumar M, Sharma A. Massive Blood Transfusion Chapter 18 Yearbook of Anesthesiology-8 2019 Edition

**Papers Presented**

1. "The Effect of Transversus Abdominis Plane Block for Analgesia in Patients Undergoing Liver Transplantation: A Systematic Review and Meta-Analysis" at "TRANCRIT" ILBS, Delhi, May 2018

**Sessions Chaired**

1. 11<sup>th</sup> National Conference of Association of obstetric anesthesiologist- AOA 2018, 28-30<sup>th</sup> September 2018, Jodhpur
2. 7<sup>th</sup> International Conference of Pain Management (ICPM), 27-31<sup>st</sup> October, AIIMS Jodhpur
3. 66<sup>th</sup> Annual Conference of ISA-ISACON 2018, 25-29 NOV 2019 , Agra

- 28<sup>th</sup> Annual National Conference of Research Society of Anesthesiology Clinical Pharmacology- RSACPCON –April 6-8<sup>th</sup> 2018 ,Jaipur

### Invited Lectures

- “Sedation Practices in ICU” on 14/09/2018 at ISCCM City branch jodhpur
- TAP, RECTUS and Inguinal block in 7<sup>th</sup> International Conference of Pain Management (ICPM) 27-31<sup>st</sup> October at AIIMS Jodhpur
- “FIRST AID” on 17/10/2018 ON World Trauma Day jodhpur
- Massive pleural effusion. Refresher Course in “Palliative Care Training Program for Cancer Treatment Centres in India” 5-7<sup>th</sup> Oct 2018, Lemon tree hotel, New Delhi
- Unethical Acts and Professional Misconduct. CLUE 2018, 15<sup>th</sup> Dec 2018, ILBS, Delhi
- Physiology of normal upper laryngopharyngeal airway. “Airway Update for Residents“, 15<sup>th</sup> March 2019, AIIMS Jodhpur
- Airway assistive devices for adults and paediatrics. “Airway Update for Residents “, 15<sup>th</sup> March 2019 , AIIMS Jodhpur

### Resource Faculty:

- USG Guided Regional Blocks. Workshop at 7<sup>th</sup> International Conference of Pain Management (ICPM) 27-31<sup>st</sup> October, AIIMS Jodhpur
- Ped difficult airway. 11<sup>th</sup> Annual Conference of the Indian Association of Paediatric Anaesthesiologists (IAPA 2019) , 8 feb 2019, Delhi AIIMS
- Airway Update for Residents, 16<sup>th</sup> March 2019, AIIMS Jodhpur

### Research Project:

#### ❖ Ongoing:

#### ➤ As Principal Investigator

- Nasogastric tube insertion using conventional versus bubble technique in anesthetized patients: a prospective, randomized study, AIIMS Jodhpur

#### ➤ As Co-Investigator

- Comparison of Epidural Morphine Versus Epidural Dexamethasone for Postoperative Analgesia following Lumbar Discectomy: A Double Blinded, Randomized Control Study, AIIMS Jodhpur
- Comparison of mid-point transverse process to pleura (MTP) block and Erector spinae plane block for acute and chronic pain in post modified radical mastectomy patients: A double blinded randomized trial , AIIMS Jodhpur
- Haemodynamic changes during induction in patients on combination of antihypertensive drugs, undergoing elective surgeries under General Anaesthesia: Observational Study, AIIMS Jodhpur
- Attitude and knowledge of medical undergraduate students towards Basic Life Support: A cross sectional study, AIIMS Jodhpur

### Scientific Awards/Patents

- 3<sup>rd</sup> prize in Poster Presentation in “TRANCRIT” ILBS, Delhi, May 2018

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

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

**National/ International Conferences attended:**

1. Thoracic Ultrasound Workshop. AIIMS Jodhpur, 9<sup>th</sup> September 2018
2. Good clinical practice workshop. AIIMS Jodhpur, August 4-5, 2018
3. ISACON National Agra workshop- Imaging & Ultrasound for Anaesthesia & Critical Care, Agra UP, 25<sup>th</sup> Nov 2018
4. Short course in biostatistics. CMC Vellore, Feb. 11-14, 2019
5. AILBS International Conference , 15-17<sup>th</sup> Feb 2019
6. Ultrasound Life Support – Basic Level 1 Provider course, Medanta The Medicity, Gurgaon, 11<sup>th</sup>-12<sup>th</sup> May, 2018
7. Refresher Course “Palliative Care Training Program for Cancer Treatment Centres in India”, Delhi, 5-7<sup>th</sup> Oct 2018

**Name of Faculty: Dr. Kamla Kant Shukla**

**Designation: Assistant Professor, Trauma & Emergency (Biochemistry)**

**Books/Chapter**

1. Molecular diagnostics in Cancer Patients Sharma P, Misra S, Shukla KK (Editors). 1<sup>st</sup> Edition, Springer Nature 2019, 1-341
2. Shukla K K, Sankanagoudar S, Sanganeria B S, Pareek P, Vishnoi J R, Misra S, Sharma P. Recent Advances in Molecular Diagnostic Approaches for Cancer. In: Molecular Diagnostics in Cancer Patient, Sharma P, Misra S, Shukla KK (Editors). 1<sup>st</sup> Edition, Springer Nature 2019;1-9
3. Sanganeria BS, Misra R, Shukla KK. Molecular Diagnostics in Renal Cancer. In: Molecular Diagnostics in Cancer Patients. Sharma P, Misra S, Shukla KK (editors). 1<sup>st</sup> edition, Springer nature 2019;199-218

**Papers Presented:**

1. Shukla KK, Sharma P. Apoptotic gene expression of infertile males via male hormone pathway. 6<sup>th</sup> Seoul International Congress of Endocrinology and Metabolism (SICEM 2018), 19<sup>th</sup> -22<sup>th</sup> April, 2018. Seoul, South Korea.

**Symposium Speaker**

1. Effect of nutlin3 a in mice sperm via mitochondrial pathway. Central Zone Conference of Association of Clinical Biochemists of India 21<sup>st</sup>-22<sup>nd</sup> July 2018, KGMU, Lucknow.
2. Recent Trends in Biomedical Research: Advances and Challenges” under the aegis of Indian Academy of Biomedical Sciences (IABS). 2<sup>nd</sup> -3<sup>rd</sup> February 2019, KGMU, Lucknow

**Research Project:**

➤ **As Principal 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 (AIIMS Jodhpur, Intramural ongoing. 2017-18)

➤ **As Co-Investigators:**

1. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate cancer patients. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
2. Interleukin IL-1A and IL-1Ra Gene Polymorphism and Susceptibility to Rheumatoid Arthritis in Indian populations. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
3. To assess the validity of references 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. (AIIMS Jodhpur, Intramural ongoing. 2017-18)
4. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus. (AIIMS Jodhpur, Intramural ongoing. 2017-18)

**Scientific Awards**

1. Travel award for oral presentation in 6<sup>th</sup> Seoul International Congress of Endocrinology and Metabolism (SICEM 2018). 19-22 Apr, 2018

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

1. Life member of Indian Academy of Biomedical Sciences (IABS)

**National /International Conferences attended:**

1. Paradigm shift in Lab Medicine: Integrating omics in diagnostics, North Zone Chapter of Association of Clinical Biochemists of India, AIIMS, Jodhpur, April 7-8, 2018
2. Central Zone Conference of Association of Clinical Biochemists of India 21st-22nd July 2018, KGMU, Lucknow
3. 6 th Seoul International Congress of Endocrinology and Metabolism (SICEM 2018). 19-22 Apr, 2018. Seoul, South Korea.

**Name of Faculty: Dr. Rahul Choudhary**

**Designation: Assistant Professor, Trauma & Emergency (Cardiology)**

**Sessions Chaired:**

1. LIVE Case session, CSI -NIC, 11TH to 13TH May, Hyderabad International Convention Centre (HICC), Hyderabad

**Name of Faculty: Dr. Nilesh Barwar**  
**Designation: Assistant Professor, Trauma & Emergency (Orthopaedics)**

**Fellowship Awarded:**

1. Received a gold medal for the best publication in ROSA VOICE 2018.

**Invited Lectures / Symposium Speaker / Resource Faculty:**

**As Delegate:**

1. Attended Basic Ilizarov Course, Mumbai
2. Attended 8<sup>th</sup> Annual Spine Workshop, JPNATC, New Delhi
3. Attended AO Spine Scoliosis course, Pune

**Name of Faculty: Dr. Bharat Choudhary**  
**Designation: Assistant Professor, Trauma & Emergency (Pediatrics)**

**Papers Presented:**

1. Choudhary B. Bleeding from the Tube, EMIndia, August 2018 22-25 July 2018, BHU Varanasi ( case presentation)
2. Choudhary B, Singh K. Simulation Experience at AIIMS Jodhpur. SIMULUS 4. 27<sup>th</sup> February-3<sup>rd</sup> March 2019, AIIMS Delhi ( Poster presentation)
3. Choudhary B. Non overt DIC from Trival Trauma. EPICON 2019, 2-6 February 2018, MGMMC, Mumbai ( case presentation)
4. Manjesh J, Choudhary B, Gupta B, Singh K. Clinical audit of Dengue case management and Protocol compliance at AIIMS Jodhpur. National Assembly on Pediatric emergency (NAPEM) 5-7 April 2019, Thiruvananthapuram (Poster presentation)

**Invited Lectures**

1. Adults complaints in children in emergency- chest pain & syncope. Rajpedicon 19-21 October 2018, Kota
2. Approach to irritable cry in infants Rajpedicon 19-21 October 2018, Kota
3. Approach to Respiratory Distress in children in Emergency. EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
4. Child Abuse EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
5. Approach to Dental Trauma in emergency . EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
6. POCUS ( Point of care ultra sound in Emergency). National Assembly of Pediatric emergency (NAPEM) 5-7 April 2019, Thiruvananthapuram

**Resource Faculty:**

1. Airway management in emergency EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
2. Central line insertion in emergency EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
3. Simulation in Pediatrics, Simulus 4 ,27 February-3<sup>rd</sup> March, AIIMS New Delhi
4. ETAT AIIMS Jodhpur 23-25 October 2018



**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. Clinical Audit of Dengue Case Management in Pediatric Emergency at AIIMS Jodhpur
2. Use of POCUS in Pediatric emergency In India – A National survey

**Scientific Awards/Patents**

1. Best Clinical Case Presentation EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
2. Level 3 certification in Pediatric Simulation – Simulus 4 ,27 February-3<sup>rd</sup> March, AIIMS New Delhi

**National/ International Conferences attended:**

1. EMINDIA 2018 EMIndia, August 2018 22-25 July 2018, BHU Varanasi
2. Rajpedicon Kota 19-22 October 2018, IAP Rajasthan Kota
3. Emergency Pediatrics injury conference EPICON 2019, 2-6 February 2018, MGMMC, Mumbai
4. Simulus 4 , Pedistar 27 February-3<sup>rd</sup> March, AIIMS New Delhi
5. National Assembly on Pediatric Emergency ( NAPEM) 5-7 April 2019, Society of Trauma & Emergency Pediatrics ( STEP) and Anantpuri Hospital, Thiruvananthapuram

**Name of Faculty: Dr. Manisha Jhirwal**

**Designation: Assistant Professor, Trauma & Emergency (Obstetrics & Gynaecology)**

**Resource Faculty:**

1. VIA training for medical officers, organized Feb 2019.

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

1. Membership of Federation of Obstetricians and Gynecologists of India (FOGSI)

**National/ International Conferences attended:**

1. Sonofest 2018, hotel Indiana, 7-9sept 2018, Jodhpur
2. Masterclass with CME “Robotic surgery: expanding horizons”, NOV 2018, AIIMS Jodhpur.
3. Evidence based medicine classes 26<sup>th</sup> March – 4 April 2019, AIIMS Jodhpur

**Name of Faculty: Dr. Pawan Kumar Dixit**

**Designation: Assistant Professor, Trauma & Emergency (Burns and Plastic Surgery)**

**Name of Faculty: Dr. Kokkula Praneeth**

**Designation: Assistant Professor, Trauma & Emergency (Neurosurgery)**

## 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 facilities for comprehensive management of all major urological disorders including cancer surgeries, comprehensive medical education and various programs of clinical and basic research. The edition of surgical robot and 3D laparoscopy to the armamentarium enables minimally invasive urological surgeries to be performed with minimal morbidity. The department is also on the verge of performing its maiden renal transplant. MCh Urology Residency program was started this year. The department has 4 full-time faculty members; they have their primary interest and also work for other secondary sub-specialties.

### Compiled list of Publications of the department:

#### Papers

#### Pubmed Indexed:

1. Choudhary GR, Mandal AK, Mete U, Mavuduru R, Bhattachariya A, Lal A. Renal parenchyma following nephron sparing surgery: J Clin Imaging Sci 2018;8:15.
2. Yadav GK, Pahwa M, Singh M, Tyagi V, Chadha S. Prevalence of Age-Associated Testosterone Deficiency Syndrome in Indian Population. Adv Urol. 2019;2019: 2468926. Published 2019 Mar 20. doi:10.1155/2019/2468926.
3. Sinha S, Yande S, Patel A, Vaze A, Sarkar K, Raina S, Madduri V K S. et al. The Urological Society of India survey on urinary incontinence practice patterns among urologists. Indian J Urol. 2018 Jul 1; 34(3):202–10.
4. Binit Sureka, Virendra Meena, Gautam Ram Choudhary and Pushpinder Singh Khera. Beaded pulmonary artery sign: Lung India 2018; 35: 363-4.

#### Non-Pubmed Indexed:

1. Prateek Gupta, Gautam Ram Choudhary, Suresh Goyal, Mahendra Singh, Pritesh Jain. Priapism in Acute Spinal Cord Injury-Case Report. Sch J Med Case Rep, DOI: 10.21276/sjmcr.2019.7.4.12

### Workshops/ Conferences Organized

1. Midterm CUE cum live operating workshop on reconstructive Urology, Dr. Himanshu Pandey, Auditorium, AIIMS Jodhpur, 21<sup>st</sup> – 22<sup>nd</sup> July 2018.
2. Robotic Surgery: Expanding Horizons. Dr. Gautam Ram Choudhary, Auditorium, AIIMS Jodhpur, 29<sup>th</sup> – 30<sup>th</sup> November 2018.

### Eminent Visitors:

1. Dr. Mahendra Bhandari, Director, Robotic surgery education and research, vattikuti urology institute, henry ford hospital Detroit
2. Dr. Rajesh Ahlawat, Chairman, Kidney & Urology Institute, Kokilaben Hospital, Mumbai
3. Dr. Pranjal Modi, Professor and Head Urology & Transplantation Surgery, IKDRC, Ahmedabad
4. Dr. Quoc-Dien Trinh, Co-Director of Prostate Cancer Program Dana-Farber/Brigham and Women's Cancer center Boston MA
5. Dr. Ravimohan Mavuduru, Additional Professor, Urology, PGIMER, Chandigarh
6. Dr. Chandra Sekhar Bhati, Transplant Surgeon, Virginia, US.

### Any other information:

**Midterm CUE cum live operating workshop on reconstructive Urology:** This educational event was organized under the guidance of NZUSI. This was a live operative workshop for 2 days duration. Total 12 Urological Reconstructive cases were operated using Open, Robotic and Laparoscopic techniques. Total 125 delegates attended this CUE.

**Robotic Surgery: Expanding Horizons:** Two day live operative workshop of Urology and Various other surgical disciplines. Surgeries were performed by various eminent faculty members. This academic event also included didactic lectures by eminent National and International speakers. This academic event was witnessed by more than 100 delegates.



Lamp lighting ceremony during Conference Inauguration

**Name of Faculty: Dr. Gautam Ram Choudhary**  
**Designation: Associate Professor**

**Papers Presented:**

1. Choudhary GR. Panel Discussion of metastatic Carcinoma of prostate. 16th UAA (Urological Association of Asia) Congress, 17th -21st April 2018, Kyoto, Japan.
2. Choudhary GR. Tubercular Prostatitis: Undermining Ulceration in Cystoscopy. NZUSICON 2018, 16th to 18th November 2018, Ludhiana, Punjab.
3. Choudhary GR. Carcinoma of Prostate. 16th UAA (Urological Association of Asia) Congress, 17th -21st April 2018, Kyoto, Japan

**Sessions Chaired:**

1. Operative session, Ca. UB Updates, 14-15 July 2018, Kokilaben Hospital, Mumbai
2. Urolithiasis / Transplant, NZUSICON, 16-18 November 2018, Ludhiana, Punjab

**Resource Faculty:**

1. Reconstructive Urology, MIDTERM CUE NZUSI 2018, 21<sup>st</sup> and 22<sup>nd</sup> July 2018, Auditorium AIIMS, Jodhpur
2. Female Urology, MID TERM CME, 29-30 Sept. 2018, AIIMS Hospital, Rishikesh.
3. Robotic surgeon counseling meet, Robotic surgeon council (RSC) on 1<sup>st</sup> and 2<sup>nd</sup> December 2018 at Jodhpur
4. Operative workshop. ROBOTIC Surgery: Expanding Horizons, 29-30 November 2018, AIIMS, Jodhpur.

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator**

1. To understand the diagnostic and prognostic significance of circulating miRNAs expression in prostate patients. AIIMS Jodhpur,

➤ **As Co-Investigator**

1. Expression of miRNAs and characterization of stem cell in prostate cancer and benign prostatic hyperplasia patients. AIIMS Jodhpur

**Scientific Awards/Patents**

1. UAA Young Urology Award 2018
2. Youth section fellowship in 16<sup>th</sup> UAA (Urological Association of Asia) Congress, 17<sup>th</sup> -21<sup>st</sup> April 2018, Kyoto, Japan

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

1. Member; European Association of Urology
2. Member; Urological Society of India
3. North zone Urological Society of India
4. Urological Association of Asia

**National/ International Conferences attended:**

1. ASCO Direct Highlights 2018 in Mumbai on 31<sup>st</sup> March and 1<sup>st</sup> April 2018.
2. 16<sup>th</sup> UAA (Urological Association of Asia) Congress, UAA (Urological Association of Asia) Congress, 17<sup>th</sup> -21<sup>st</sup> April 2018, Kyoto, Japan.
3. Ca. UB Updates, Kokilaben Hospital, 14-15 July 2018, at Kokilaben, Mumbai.
4. MIDTERM CUE NZUSI 2018 on Reconstructive Urology, Department of Urology, AIIMS Jodhpur, 21<sup>st</sup> and 22<sup>nd</sup> July 2018 at AIIMS, Jodhpur.
5. MID TERM CME. AIIMS, Rishikesh, 29-30 Sept. 2018. AIIMS, Rishikesh
6. NZUSICON, North Zone Urological Society of India (NZUSI), 16-18 November 2018, Ludhiana, Punjab.
7. ROBOTIC Surgery Expanding Horizons. Department of Urology and other, 29-30 November 2018, AIIMS, Jodhpur
8. Robotic surgeon council (RSC), Vattikutti Foundation, 1<sup>st</sup> and 2<sup>nd</sup> December 2018 at Jodhpur.
9. Live operative workshop & First Update on Pelvic Health. PGIMER, Chandigarh, 8th and 9th March 2019 at Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh
10. Renal transplant training program, SGPGIMS Lucknow, 4-10 March 2019, SGPGIMS, Lucknow.

**Name of Faculty: Dr. Himanshu Pandey**

**Designation: Associate Professor**

**Papers Presented:**

1. Pandey H. Buccal mucosa urethroplasty; Is defatting really necessary, NZUSICON, 16-18 November 2018, Ludhiana, Punjab
2. Pandey H. Laparoscopic complications after orchiopexy, USICON, 23<sup>rd</sup> – 26<sup>th</sup> January 2019, Bhubaneswar.

**Sessions Chaired:**

1. Operative Session, Ca. UB Updates, 14-15 July 2018, Kokilaben Hospital, Mumbai
2. Operative Session, NZUSICON, 16-18 November 2018, Ludhiana, Punjab

**Invited Lectures:**

1. Set up of Laparoscopic OT Theater, Mid-Term, NZUSI, 6<sup>th</sup> – 7<sup>th</sup> April 2019, Dehradun

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

1. Member; Europium Association of Urology
2. Member; Urological Society of India
3. Member; North zone Urological Society of India
4. Member; Urological Association of Asia

**National/ International Conferences attended:**

1. MIDTERM CUE NZUSI 2018 on Reconstructive Urology, Department of Urology 21<sup>st</sup> and 22<sup>nd</sup> July 2018 at AIIMS, Jodhpur.
2. MID TERM CME, AIIMS Rishikesh, 29-30 Sept. 2018, AIIMS Rishikesh.
3. NZUSICON, North Zone Urological Society of India (NZUSI), 16-18 November 2018, Ludhiana, Punjab.
4. ROBOTIC Surgery Expanding Horizons, Department of Urology and other 29-30 November 2018, AIIMS, Jodhpur
5. 2<sup>nd</sup> ISORU Conference with live operative workshop, ISORU, 2<sup>nd</sup> and 3<sup>rd</sup> March 2019 at Hyderabad
6. Live operative workshop & First Update on Pelvic Health", PGIMER, Chandigarh, 8<sup>th</sup> and 9<sup>th</sup> March 2019 at Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh
7. Renal transplant training program, SGPGIMS Lucknow, 4<sup>th</sup> - 10<sup>th</sup> March 2019, SGPGIMS Lucknow.

**Name of Faculty: Dr. Mahendra Singh,  
Designation: Assistant Professor**

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

1. Member; Urological Society of India

**National/ International Conferences attended:**

1. 2<sup>nd</sup> ISORU Conference with live operative workshop, ISORU, 2<sup>nd</sup> and 3<sup>rd</sup> March 2019 at Hyderabad
2. Renal transplant training program, SGPGIMS Lucknow, 4-10 March 2019, SGPGIMS Lucknow.

**Name of Faculty: Dr. Vijay Kumar Sarma Madduri  
Designation: Assistant Professor**

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

1. Member; Urological Society of India
2. Member; East Zone Urological Society of India

## College of Nursing

S. No.	Name of Faculty	Designation
1.	Prof (Dr.) Raj Rani	Prof-cum-Principal
2.	Dr. Ashok Kumar	Associate Professor
3.	Mukesh Chandra Sharma	Associate Professor
4.	Mamta	Lecturer
5.	Himanshu Vyas	Lecturer
6.	Remiya Mohan	Lecturer
7.	Vandna Pandey	Lecturer
8.	Aashish Parihar	Lecturer
9.	Joyce Joseph	Tutor/Clinical Instructor
10.	Nancy Kurien	Tutor/Clinical Instructor
11.	Shrikant K Nair	Tutor/Clinical Instructor
12.	Anoop Sharma	Tutor/Clinical Instructor
13.	Sanjay Sevak	Tutor/Clinical Instructor
14.	Asif Khan	Tutor/Clinical Instructor
15.	Rishi Dutt Avasthi	Tutor/Clinical Instructor
16.	Hanuman Ram Bishnoi	Tutor/Clinical Instructor
17.	Irasangappa Mudakavi	Tutor/Clinical Instructor
18.	Natwarlal Patidar	Tutor/Clinical Instructor
19.	Satyaveer	Tutor/Clinical Instructor
20.	Neetu Tripathi	Tutor/Clinical Instructor
21.	Nipin Kalal	Tutor/Clinical Instructor
22.	Vikas Choudhary	Tutor/Clinical Instructor
23.	Mamta Choudhary	Tutor/Clinical Instructor
24.	Ranjana Verma	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 College of Nursing:**

The college of Nursing, AIIMS, Jodhpur has entered 6<sup>th</sup> year of its inception and is currently running four batches of B.Sc. (Hons.) Nursing, a 4-year course with an annual intake of 60 students. College also running M.Sc. Nursing in all the five Nursing specialties in the academic session 2018-19 with total intake of 26 students. As we set foot forward, we take pride in tracing our journey and presenting a fleeting glimpse of our rich past. We aim to create 'future fit' minds that are creative, disciplined, synthesizing, respectful and ethical.

### **Infrastructural developments:**

The College building is fully functional and meets all the academic demands of the students. State of the art infrastructure, lecture theatres, well-lit and ventilated classrooms, conference room, examination halls and lab facilities are the real gemstones of this College. New facilities, equipment's, simulators and instruments are being added to different labs in order to give state of art, quality training to students.

### **Faculty at its best:**

Faculty at College of Nursing, AIIMS, Jodhpur aims to provide best educational & teaching exposure to students. Whether classroom teaching or clinical exposure, teachers here are all the time ready to go one step ahead and help the students.

### **Enhancing skill training:**

A key component of the skills training at the College of Nursing occurs at the skill laboratories which are designed to facilitate acquisition of basic 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.

### **Student's achievements in co-curricular activities**

We believe in overall development of students. Apart from academic achievements, our students have shown their excellence in different competitive games and activities organised throughout the year in AIIMS Jodhpur.

Our B.Sc. (Nursing) 3<sup>rd</sup> year students Ms. Sanju declared as a best sports lady in Tejas, 2018 and best athlete in AURA 2019. In addition to this, College of nursing Basketball as well as throw ball teams secured first prize in Tejas, 2018

Our students have also shown their excellence in academic, artistic and literature competitive activities. In this Kavita Suthar, B.Sc.(nursing) 3<sup>rd</sup> year student won first prizes various activities like swachhata drive quiz (15 Sep. 2018), poster and slogan writing competition (7<sup>th</sup> April) speech competition on abhinav vichar on Swach Bharat (10<sup>th</sup> April) and finger painting (1-4<sup>th</sup> March, Aura 19)

In a similar fashion, Ms Annu B.Sc. (Nursing) 2<sup>nd</sup> year student won first prizes in poem (Manthan Sep 2018), speech competition (special swachhata drive 2018) and essay writing competition (Swachhata Pakhawara 2019).





College of Nursing Basket Ball winner in Tejas 2018



College of Nursing throw ball winner in Tejas 2018



Annu ,B.Sc.(N) 2<sup>nd</sup> year receiving First prize in poem



Kavita ,B.Sc.(N) 3<sup>rd</sup> year receiving First prize in Infection control quiz special swachhata drive 2018

## Papers

### Pubmed indexed:

1. Kalal N. Euthanasia: Right to live & Right to die. International journal of current research. 2018;10(11):75543-46

### Non Pubmed indexed:

1. Choudhary .M, Kurien N Predatory Journal: A threat to evidence-based science. Indian Journal of health science and biomedical research.KLEU.2019;12(1);42-45
2. Sevak S. Toilet training interventions among disabled children: A case study of Raigads district. Sansmaran Management research journal. 2018; 8 (2):54-62.
3. Yadav R, Mudakavi I. The effectiveness of Planned Teaching Programme on Knowledge and Practice Regarding care of patients with Implantable Cardioverter refibrillator. Inv Rap. 2019(1):1-5
4. Raghu V A. Management of clubfoot children with Ponseti technique. Asian pacific Journal Nursing. 2019; 6(1): 8-11
5. Raghu V A. Priya D. Hurried child syndrome. American journal of advance in nursing Research. 2019; 6 (1):1-3
6. Sonia M, Bajad S, Khandelwal K. Video assisted teaching (VAT) to assess on knowledge and attitude regarding organ donation among Adults residing in selected urban community. American Journal of Advances in Nursing research. India. 2018 ;5(2):76-81

7. Mohanasundari SK. Padmaja A "A Study to Assess Perceived Stress Level among Care Givers of Child with Major Thalacemia in Selected Hospital Rajasthan". IJPEN. 2018: 4(2): 125 -130. DOI:http://dx.doi.org/10.21088/ijpen.2454.9126.4218.14
8. Mohanasundari S.K. Padmaja A . Music therapy in caring for children. IJPEN. 2018 4 (3). 187-194.
9. Mohanasundari S.K. Padmaja A. Evidence Based Practice–A Core Concept to Achieve Quality of Nursing Care. IJNER. 2018 6 (3). 295-298
10. Mohanasundari S.K. Padmaja A. Visual Imagery Technique in Caring for Children. AJANM, 2018. 6 (3). 263-268
11. Mohanasundari S.K. Padmaja A . Current Updates on Child Morbidity and Mortality Rates: 2011-2017. CPHN. 2018. 3 (1). 13-18

### Workshop Organized:

#### Work Shop on Basic life support. Act now, organized at College of Nursing, AIIMS, Jodhpur, 14<sup>th</sup> July, 2018.

M. Sc (Nursing) first year, College of Nursing AIIMS, Jodhpur organized one-day workshop on Basic life support. Act now. Nursing officers of AIIMS Jodhpur were the participants. Under the Patron ship of Prof.(Dr.) Sanjeev Misra ,this work shop was successfully conducted .Prof.(Dr.) Raj Rani ,Principal college of Nursing was the chairperson and Dr.Ashok kumar, Associate professor ,College of nursing was co –chairperson of this works shop. Dr.Shilpa Goyal, Associate Professor, Department of Anesthesia and critical care Dr.Bharat Paliwal, Department of Anesthesia and critical care Assistant Professor and Dr Bharat Choudhary, Assistant professor, department of Pediatric emergency were the resource person of workshop. This workshop was coordinated by Mr. Mukesh Chandra sharma, Associate professor, College of nursing.



Photograph of workshop - Basic life support. Act now

**Other activities /program organized/community outreach activities :**

**Celebrated Children's Day –In Paediatric Medical Ward of AIIMS, Jodhpur, 14<sup>th</sup> November 2018**

Pediatric nursing department had celebrated children day on 14<sup>th</sup> November 2018. This program organized and coordinated by Mr. Mukesh Chandra Sharma as a pediatric nursing departmental activity. Chief Guest of this program was Prof. Dr. Sanjeev Mishra, Director, AIIMS, Jodhpur and Prof. Dr. Raj Rani Principal, College of Nursing. The nursing students beautifully decorated the ward with balloons and cartoon. In this M.Sc. (nursing) and B.Sc. (Nursing) 3 year students and pediatric nursing faculties were involved in organizing the program. Innovative method like puppet show used for delivering healthy message to hospitalized children. On this occasion, children also participated in painting competition. Dr. Sanjeev Mishra and Dr. Raj Rani madam gave the prizes to all the winner of the competition.








Photograph of celebration of children day in Paediatric medical ward of AIIMS ,Jodhpur

**Newborn Care Week- Organised by College of Nursing at Pediatric Medical Ward of AIIMS, Jodhpur, 15<sup>th</sup> November to 21<sup>st</sup> November 2018.**

Pediatric nursing department further celebrated New Born Week from 15 Nov 2018 to 20 Nov 2018. This program organized and coordinated by Mr. Mukesh Chandra Sharma as a pediatric nursing departmental activity. All pediatric nursing department tutors, B.Sc. (Nursing) students and M.sc (Nursing) students involved in the smooth conduction of program. Chief Guest of this program was Prof. Dr. Sanjeev Mishra, Director, AIIMS, Jodhpur and Prof. Dr. Raj Rani Principal, College of Nursing. Dr. Sanjeev Mishra and Dr. Raj Rani madam gave the prizes to all the winner of the competition. President of NNF appreciated this program and later presented as a report during NNF conference in Varanasi, UP.

The objectives were to create awareness among mothers about various aspects of breastfeeding and to teach the techniques of breastfeeding through video assisted learning and demonstration further it was evaluated with OSCE. The activities were –

Day	Date	Activity	Pictures
Day-1	16.11.18	Poster Making Competition Nursing students and Nursing officers	
Day-2	17.11.18	Breast feeding Mini Workshop for mothers	
Day-3	19.11.18	Health Talk on New Born Care for mothers	
Day-4	20.11.18	Quiz competition for Nursing students and Postnatal mothers	
Day-5	21.11.18	Valedictory session	

### **Health check-up camp organised by College of Nursing at Government senior secondary school, Pratapnagar, 8<sup>th</sup> February 2019.**

School health service was organized by MSc Nursing First Year students (B-2018)

Health check-up was done for the 50 students of 4<sup>th</sup> and 5<sup>th</sup> standard students. Health checkup includes, anthropometric measurement (height, weight, and BMI), vital signs and physical examination and systemic assessment. Along with health check, students were advised regarding maintenance of personal hygiene. In the health check-up it was found that, most of the students had dental carries, poor skin turgor, wax in the ear, ear discharge and minor ailments such as cold and cough.



Photographs of Health check-up camp activities

### **Role Play organised by college of nursing at Umaid Hospital, jodhpur, 10<sup>th</sup> April 2018**

B.Sc. (Hons) Nursing Third year students (Batch 2015) conducted Role play on antenatal care on 10<sup>th</sup> April 2018 and on Postnatal care on 17<sup>th</sup> April 2018 at Umaid Hospital, Jodhpur.

The role play on antenatal care focused on the importance of frequent and timely antenatal visits and motivated the pregnant mothers for institutional deliveries. It health educated them about the increased requirements of their body for nutrition and rest during pregnancy and also advised them to refrain from any type of tobacco products or other type of drug abuse during pregnancy. Family members of the pregnant women including the mother in law and husband who were accompanying the pregnant women for checkup at Umaid hospital were also health educated regarding their role in the care of the pregnant female.

The role-play on Post-natal care on 17<sup>th</sup> April 2018 health educated about the importance of postnatal care for the mother as well as the baby. The main highlights of the play were initiation of breast-feeding as early as possible after the birth, immunization of the newborn, maintaining the temperature of the newborn, spacing and terminal methods of contraception.



Photographs of role-play organized at Umaid Hospital, Jodhpur

### Community Health Services:

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. Important health & social issues prevalent in the society such as prevention of vector borne disease, prevention of swine flu, female feticide etc. were addressed through Nukkad Natak, Individual & mass health education programmes. School Health Education programme was also held hand-in-hand. Also, the educational visits to Old age home, Orphanage, Rehabilitation centres helped students to see the real problems of these groups. A health fair on Prevention and control of Diabetes was organized in the month of April 2018. Nearly 200 people of Pratap Nagar, Jodhpur were screened for Diabetes and given health education and consultation. Apart from all these in order to keep check on the health status of adopted communities, weekly health check-up clinics were organized by the faculty and students of Nursing College. They participated in various health clinic like antenatal clinic, immunization clinic and nutritional day celebration with AWW, ANM and ASHA.



Photographs of Community Health services

**Name of Faculty: Prof (Dr.) Raj Rani**  
**Designation: Prof-cum-Principal**

**Research Project:**

1. Attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS, Jodhpur

**❖ Ongoing:**

1. A mixed method study of LAQSHA initiative on respectful maternity care and quality of institutional delivers in Jodhpur, Rajasthan.

**❖ Completed:**

**➤ As principal investigator:**

1. Utilization of services under reproductive and child health (RCH) programme among married women in urban slums of jodhpur city.
2. Nursing as career: Motivating factors for nursing students of All India Institute of Medical Sciences Jodhpur, Rajasthan
3. Attitude towards Post-partum insertion of intra uterine devices (PPIUCD) among pregnant women attending antenatal clinic at AIIMS.

**➤ As Co- Investigator:**

1. Menopausal symptoms and quality of life among women at selected area of Jodhpur, Rajasthan.
2. Stress and Coping Strategies among Nursing Students at All India Institute of Medical Sciences, Jodhpur, Rajasthan.

**Examinerships:**

1. Paper setter of B.Sc. (Hons) Nursing & M.Sc. Nursing examination at KGMU, Lucknow.
2. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Bhubaneshwar.
3. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Rishikesh.
4. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Patna.
5. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS, Raipur.
6. Paper setter of B.Sc. (Hons) Nursing annual examination of AIIMS.Bhopal

**Doctoral thesis**

1. PhD thesis evaluator at Delhi University, Delhi.

**National/ International Conferences attended:**

1. Joint leadership conclave on Health technologies, organized by Joint centre for Healthcare technologies (IIT Jodhpur and AIIMS Jodhpur), AIIMS, Jodhpur, 3-4th Dec, 2018.
2. Participated in Second BRICS centuries Nurses Forum India organized by Indian Nursing Council, New Delhi at Nehru Place, New Delhi from 8th to 9th October, 2018.
3. Participate as a Chairperson in International Nursing conclave on “Leading nursing in times of change: Art, Science and Innovation” organized by Ruffaida College of Nursing, Jamia Hamdard University, New Delhi from 29th to 31st October, 2018
4. Participate as a Chairperson in National Conference on “Translating Evidence to Improve Nursing Care in the Clinicals” organized by KGMU College of Nursing, King George’s Medical University, Lucknow on 22<sup>nd</sup> February, 2019

**Any other information:**

1. Completed 3T – IBHSc Training course for health sciences faculty held at AIIMS, Jodhpur organized by The Indian Program of the UNESCO Chair in Bioethics (Haifa) from 23 – 25 May, 2018

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

**Designation: Associate Professor**

**Resource Faculty/Invited lectures:**

1. Speaker, National conference on changing paradigm in Nursing strategy to augment the patient care, 15<sup>th</sup> November -16<sup>th</sup> November 2018, College of Nursing, JIPMER, Pudducherry.
2. Speaker, Nursing informatics: the need of the hour, International symposium on perioperative nursing: Enhancing evidenced based care in operating room, 26<sup>th</sup> February to 27 February 2019, College of Nursing AIIMS, Rishikesh.
3. Speaker, Transformation of nursing future: Challenges innovation & management in nursing, 27<sup>th</sup> March 2019, Geetanjali University Udaipur
4. Chairperson, 5<sup>th</sup> Annual Nursing research society of India (NRSI) north zone conference 2019, 15<sup>th</sup> March to 16 March 2019, National institute of nursing education, PGIMER, Chandigarh.



**Research project completed:**

1. Evaluation of clinical learning environment and supervision of Nursing students 2017-18

**Research Projects: Supervisor – M.Sc. Nursing:**

1. Development of burnout syndrome assessment scale for Nurses working in intensive care unit and emergency at AIIMS Jodhpur.
2. A study to compare the effectiveness of surgical hand scrub and surgical hand scrub followed by alcoholic hand rub in reducing CFUs on hands among health workers working in OT, AIIMS Jodhpur.
3. Experiences of nurses caring critically ill patients admitted in the ICUs of AIIMS, Jodhpur.
4. Correlation of Knee Society Score and Oxford Knee Score in patient with moderate to severe Osteoarthritis of the Knee at All India Institute of Medical Sciences, Jodhpur, Rajasthan.
5. Correlation of Psychosocial problems and coping strategies among elderly residing in selected old age homes at Jodhpur, Rajasthan.
6. Non communicable disease risk factors assessment in college students in Jodhpur UG (B.Sc. Hons. Nursing)
7. Peer caring behavior among B.Sc. (Hons) Nursing students at AIIMS Jodhpur. 2018-19

**Workshops/conferences attended:**

1. Preparatory meeting for promulgation of Emergency Nursing in South East Asia Region (SEAR) conducted by department of emergency medicine, AIIMS Delhi in collaboration with WHO at AIIMS Delhi on 3<sup>rd</sup> April 2018.
2. National conference on changing paradigm in Nursing strategy to augment the patient care organized by College of Nursing, JIPMER Pudducherry from 15-16 November 2018.
3. Joint leadership conclave (Leadership conclave on healthcare technologies) organized by AIIMS Jodhpur in collaboration with IIT Jodhpur from 3-4 December 2018.
4. 76<sup>th</sup> TNAI Biennial conference on theme “Nursing on global scale: tomorrow belongs to us” at Dona Paula, Goa from 11-16 December 2018.
5. International symposium on perioperative nursing: Enhancing evidenced based care in operating room organized by College of Nursing, AIIMS Rishikesh from 26-27 February 2019.
6. 5<sup>th</sup> Annual Nursing research society of India (NRSI) north zone conference 2019 organized by National institute of nursing education, PGIMER Chandigarh from 15-16 March 2019.
7. State level workshop on “Transformation of nursing future: challenges, innovation & management in nursing” organized by Geetanjali University Udaipur on 27<sup>th</sup> March 2019.

**Membership/ Post in journal or society/Association:**

1. Expert - Preparatory meeting for promulgation of Emergency Nursing in South East Asia Region (SEAR) conducted by department of emergency medicine, AIIMS Delhi in collaboration with WHO at AIIMS Delhi on 3<sup>rd</sup> April 2018.

**Name of Faculty: Mr. Mukesh Chandra Sharma**  
**Designation: Associate Professor**

**Research Project:**

❖ **Ongoing:**

➤ **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.

❖ **Completed**

➤ **As Co-Investigator:**

1. Effectiveness of Nursing Care Bundle on the level of stress among parents of neonates admitted in NICU at selected hospitals of Jodhpur.
2. Subjective burden, psychological distress and perceived social support among caregivers of mentally ill patients attending psychiatric OPD AIIMS Jodhpur.
3. 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.

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

1. Member, National Neonatology forum.
2. Member, Indian association of Neonatal nurses (IANN)
3. Trained nurses Association of India-membership number.
4. Indo Pacific Academy of Forensic Nursing Science.
5. Reviewer in Biosciences Biotechnology Research Asia journal

**National/ International Conferences attended:**

1. Joint leadership conclave organized by AIIMS, Jodhpur. 3rd and 4th December 2018.
2. Rajasthan Neurosciences Update organized by department of neuro surgery AIIMS, Jodhpur. 23 to 24 March 2019.

**Workshops/ Conferences Organized:**

1. Coordinator of workshop Basic life support. Act now, Organized by M. Sc (Nursing) First Year students, College of Nursing, AIIMS, Jodhpur, 14th July 18.

2. Organizer for Celebration of Children's Day – 14th November 2018 In Paediatric Medical Ward Of AIIMS, Jodhpur
3. Organizer for Newborn Care Week – From 15th November To 21st November 2018 in Pediatric Medical Ward of AIIMS, Jodhpur

**Examinership:**

1. External examiner Question paper setter for M .Sc (Hons) Nursing first year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2018
2. External examiner Question paper setter for M .Sc (Hons) Nursing Second year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2018.

**Name of Faculty: Mr. Himanshu Vyas**

**Designation: Associate Professor**

**Resource Faculty:**

1. Planning: Strategic Thinking for New Trends, State Level Workshop: Transforming Nursing Future: Challenges, Innovation and Management in Nursing, , 27<sup>th</sup> March 2019, Geetanjali University, Udaipur
2. New Frontiers in Post Reproductive Health, 2<sup>nd</sup> National Nursing Conference on Changing Paradigm in Nursing Strategy to Augment the Patient Care, 15-16 November 2018, JIPMER, Puducherry

**Research Project:**

❖ **Ongoing:**

➤ **As Principal Investigator:**

1. The impact of musculoskeletal dysfunction during pregnancy on quality of life of pregnant women.
2. Knowledge and attitude towards post-partum insertion of Intra uterine devices (PPIUCD) among pregnant women visiting antenatal clinic at AIIMS, Jodhpur

❖ **Completed:**

➤ **As Guide/ Supervisor**

1. Effect of ninety minutes versus sixty minutes of early newborn skin to skin contact on breast feeding behaviour and exclusive breast feeding in healthy neonates > 35 weeks of gestation at AIIMS, Jodhpur
2. Effectiveness of child birth education program on knowledge, intra partum behavior, and pregnancy outcome among selected primigravida mothers at AIIMS, Jodhpur
3. Knowledge regarding prevention of child abuse among parents at selected rural area of Jodhpur.

**Additional Training Course:**

1. Successfully completed -Training Course in Management for Senior Nursing Administrators held at National Institute of Health and Family Welfare, New Delhi from 29th October to 2nd November 2018.
2. Successfully completed The Indian Program of the UNESCO Chair in Bioethics (Haifa):3T-IBHSc Training Course for Health Science Faculty held at AIIMS, Jodhpur, 23rd to 25th May 2018

**National/ International Conferences attended:**

1. State Level Workshop on Transforming Nursing Future: Challenges, Innovation and Management in Nursing organized by Geetanjali College & School of Nursing, Geetanjali University, Udaipur, 27th March 2019.
2. One-Day workshop on Mentorship by FAIMER fame Dr. Tejinder Singh of CMC Ludhiana at AIIMS, Jodhpur, 15th February 2019.
3. National Nursing Conference on Changing Paradigm in Nursing Strategy to Augment the Patient Care at College of Nursing, JIPMER, Puducherry, 15th and 16th November 2018.
4. HIV SYMPOSIUM – Clinical Challenges in HIV/AIDS Care Organised by Department of Medicine, All India Institute of Medical Sciences, Jodhpur, 30th September 2018.
5. Skill workshop on management of trauma victims in Emergency Organized by AIIMS, Jodhpur in association with National Academy of Medical Sciences, 24th April 2018.
6. CME on Recent Updates in Gynaecologic Malignancies held on 15th April 2018 at All India Institute of Medical Sciences, Jodhpur under the aegis of Association of Gynaecologic Oncologists of India RMC – 2 Credit Hours.

**Name of Faculty: Ms. Mamta**

**Designation: Lecturer, College of Nursing**

**Books/Chapters:**

1. Module on Role of Nurses in combating depression. Indian Psychiatric Society.

**Resource Faculty:**

1. Role of Nurses in Combating depression, National Conference on Combat Depression, 22<sup>nd</sup> October to 23<sup>rd</sup> October, 2018, JSS Medical College & Hospital, Mysuru, Karnataka.

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. To what extent does “Feeling good, doing well” training program enhance the mental health of medical students, AIIMS, Jodhpur.
2. The impact of musculoskeletal dysfunction on quality of life of pregnant women seeking antenatal care at OPD, AIIMS Jodhpur.
3. 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. Menopausal symptoms and quality of life among women at selected area of Jodhpur, Rajasthan.

**As Co-Investigator**

1. Stress and Coping Strategies among Nursing Students at All India Institute of Medical Sciences, Jodhpur, Rajasthan.
2. Nursing as career: Motivating factors for nursing students of All India Institute of Medical Sciences Jodhpur, Rajasthan.

**Examinership:**

1. Paper setter, evaluator & practical examiner for B.Sc. Nursing 4th year examination (Subject: Community Health Nursing-II) at All India Institute of Medical Sciences, Raipur in July 2018.
2. MCQ based CHN II Question paper setter for BSc (Hons) Nursing 4th year professional examination, at All India Institute of Medical Sciences, Rishikesh, July 2018.

**Name of Faculty: Ms. Remiya Mohan**

**Designation: Lecturer, College of Nursing**

**Memberships:**

1. National Neonatology Forum
2. Society of Midwives, India
3. Nursing research Society of India

**National/ International Conferences attended:**

1. CME on Antibiotic Resistance – The global threat, 1-2 February, 2019, AIIMS, Jodhpur
2. Joint Leadership Conclave (All India Institute of Medical Sciences Jodhpur Indian Institute of Technology Jodhpur), 3-4 December 2018, AIIMS, Jodhpur.
4. HIV Symposium, Clinical challenges in HIV/AIDS care, 30 September 2018, AIIMS, Jodhpur.

**Workshops/ Conferences Organized:**

1. Workshop on “mentorship”, 15 February 2019, AIIMS, Jodhpur

**Any other information:**

1. Training course certificate in Management for Senior Nursing administrators held at National Institute of Health and Family Welfare, 29 Oct-2 Nov, 2018, New Delhi
1. Granted simulation Provider status through Neonatal Simulation Instructor course at AIIMS, New Delhi, through Mprove Group (Dr Alok Sharma and his colleagues from Southampton University, UK), April 2018

**Name of Faculty: Mrs. Vandna Pandey**  
**Designation: Lecturer, College of Nursing**

**Memberships:**

1. National Neonatology Forum

**National/ International Conferences attended:**

1. CME on Antibiotic Resistance – The global threat, 1-2 February, 2019, AIIMS, Jodhpur
2. Joint Leadership Conclave (All India Institute of Medical Sciences Jodhpur, Indian Institute of Technology Jodhpur), 3-4 December 2018, AIIMS, Jodhpur.
4. HIV Symposium, Clinical challenges in HIV/AIDS care, 30 September 2018, AIIMS, Jodhpur.

**Workshops/ Conferences Attended:**

1. Workshop on “mentorship”, 15 February 2019, AIIMS, Jodhpur

**Any other information:**

1. Appointed as paper setter at AIIMS Bhubaneswar for B.Sc. (Hons.) Nursing 3rd Year Professional theory & Practical examination, in the subject of Medical Surgical Nursing, July 2018

**Name of Faculty: Mr. Aashish Parihar**  
**Designation: Lecturer, College of Nursing**

**Examinerships:**

1. M.Sc. Nursing, Guru Teg Bahadur College of Nursing, Jandiala Guru, Amritsar, , 25<sup>th</sup> May 2018

**Name of Faculty: Ms. Nancy Kurien**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**National/ International Conferences attended:**

1. Joint Leadership Conclave on healthcare technologies. Organized by AIIMS, Jodhpur. AIIMS, Jodhpur, 3<sup>rd</sup> December to 4<sup>th</sup> December 2018.
2. Interpersonal and communication skills. Organized by neurosurgery department. AIIMS Jodhpur. AIIMS, Jodhpur. 23<sup>rd</sup> March 2019

**Name of Faculty: Mr. Shrikant K Nair**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**National/ International Conferences attended:**

1. Joint leadership conclave, organized by AIIMS Jodhpur
2. National conference on pediatric surgery, pesicon organized by AIIMS Jodhpur, 14/2/2019 to 17/2/2019.

**Name of Faculty: Mr. Anoop Sharma**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Examinership:**

1. Faculty in charge for LDC, UDC, DEO exam for AIIMS, Jodhpur.
2. Panel member for supervision of skill test for recruitment of Senior Nursing Officers at AIIMS, Raipur.

**National/ International Conferences attended:**

1. Training course in management for senior nursing administrators at NIHFW, New Delhi.

**Name of Faculty: Mr. Sanjay Sevak**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Name of Faculty: Mr. Asif Khan**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Workshops/ Conferences attended**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December. 2018
2. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019

**Name of Faculty: Mr. Rishi Dutt**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Workshops/ Conferences attended**

1. Resource person in national level conference on Transforming Modern Nursing, Chitrini Nursing College, Gandhinagar, Gujrat on 28-29 January 2019.
2. Conference on Joint conclave IIT and AIIMS Jodhpur on December. 2018
3. Workshop on AFB & measles sensitization on 5 march 2019
4. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
5. Workshop on E.N.E.R.G.Y SUTRA OF POSITIVE THINKING on 27 march 2019

**Name of Faculty: Mr. Hanuman Ram Bishnoi**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Resource Faculty:**

1. National Conference of Nursing Education, 6th February 2019, C.M Patel College of nursing, Gandhinagar , Gujrat

**National/ International Conferences attended:**

1. Rajasthan Neuroscience update . AIIMS Jodhpur, AIIMS Jodhpur, Dates 23<sup>rd</sup> March 2019 to 24<sup>th</sup> March 2019

**Name of Faculty: Mr. Irasangappa Mudakavi**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Research Project:**

❖ **Ongoing:**

➤ **As Co-Investigator**

1. Impact of Magnification of Health Warning on Tobacco Products in terms of Attitude towards Abstinence on Tobacco.

**Name of Faculty: Mr. Natwarlal Patidar**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**Resource Faculty :**

1. National Conference on Infection control in Intensive Care Unit at Navsari, Organized by Agrawal Institute of Nursing Sciences, Navasari (Guj.) on 7th April 2018.

**National Conference Attended:**

1. National Conference of Urology Robotic Surgery RUFCON 2019 at Kochi, Organized by Amrita Institute of medical Sciences Kochi on 5th April to 7th April 2019.

**Training cum Workshop attended:**

1. Training workshop for Rollout of LaQshya program of Ministry of Health and Welfare, Organized by AIIMS Delhi on 17th -18th Sept. 2018

**Name of Faculty: Mr. Satyaveer**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**National/ International Conferences attended:**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December. 2018
1. Training programme on Application of Geospatial Technology for Public Health organized by Regional Remote Sensing Center West KBHB jodhpur 24-25 Jan.2019
2. Workshop on AFB & measles sensitization on 5 march 2019
3. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
4. Workshop on E.N.E.R.G.Y SUTRA OF POSITIVE THINKING on 27 march 2019

**Name of Faculty: Ms. Neetu Tripathi**  
**Designation: Tutor/Clinical Instructor (Nursing)**

**National/ International Conferences attended:**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December 2018
2. Workshop on AFB & measles sensitization on 5 march 2019



3. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
4. Workshop on E.N.E.R.G.Y Sutra of Positive Thinking on 27<sup>th</sup> March 2019

**Name of Faculty: Mr. Nipin Kalal**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Invited Lectures:**

1. Organ donation, Indian organ donation day; 27<sup>th</sup> November 2018, CH BSF Jodhpur.

**Examinership**

1. Nominated as a panel member of skill test for recruitment of Senior Nursing officers at AIIMS, Raipur from 19<sup>th</sup> to 20<sup>th</sup> April, 2018.

**Name of Faculty: Mr. Vikas Choudhary**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Paper Presented:**

1. Choudhary V. Oral care with 0.2% chlorohexidine against streptococcus mutans. XXXVII TNAI Biennial Conference; 11<sup>th</sup>-16<sup>th</sup> Dec 2018, TNAI, Goa.

**National/ International Conferences attended:**

1. International Nursing Conclave. Jamia Hamdarad University New Delhi. 29-31 October 2018.
2. 5<sup>th</sup> Annual Nursing Research Society of India (NRSI) North Zone Conference 2019. NINE PGIMER Chandigarh 14<sup>th</sup> -16 March 2019.

**Name of Faculty: Ms. Mamta Choudhary**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Papers Presented:**

1. Choudhary M. 'Experiences of Living with Stroke: A Metasynthesis'. 22<sup>nd</sup> Annual Conference of Nursing Research Society; 29<sup>th</sup> November to 1<sup>st</sup> December 2019, Kolkata
2. Choudhary M. 'Living with Epilepsy: A Metasynthesis'. 5<sup>th</sup> Annual NRSI North Zone Conference 2019; 14<sup>th</sup> to 16<sup>th</sup> March 2019, NINE PGIMER, Chandigarh.

**Resource Faculty:**

1. Perception of Nursing Students towards Nursing profession'. Global Nursing Conference and EXPO'18. 13/9/18. Dubai, UAE.

**National/ International Conferences attended:**

1. Qualitative research method & analysis'. Organized by Chitkara school of Health Sciences, Chitkara university Punjab, 14<sup>th</sup> to 16<sup>th</sup> January 2019

2. Interpersonal and communication skills'. Organized by neurosurgery department, AIIMS Jodhpur. AIIMS Jodhpur. 23/3/19
3. 5<sup>th</sup> Annual NRSI North Zone Conference, 2019 on 'Qualitative Research: Explore, Expedite and Envisage'. Organized at NINE, PGIMER, Chandigarh. 14<sup>th</sup> to 16<sup>th</sup> March 2019
4. Joint Leadership Conclave on Healthcare Technologies. Organized by AIIMS Jodhpur. AIIMS Jodhpur. 3<sup>rd</sup>-4<sup>th</sup> December 2018
5. Annual Conference of Nursing Research Society. Organized by NRSICON at Kolkata from 29/11/18 to 1/12/18

**Name of Faculty: Mr. Anant Chandrakant Chopade**

**Designation: Tutor/ Clinical instructor (Nursing)**

**National/ International Conferences attended:**

1. International Nursing Conference, Kaher, IONS, Belgavi. Karnataka. On 23<sup>rd</sup> and 24<sup>th</sup> November, 2018.

**Any other information:**

1. Ad-hoc inspector for Indian Nursing Council (INC), from 17-12-2018 to 21-12-2018 at Madhya Pradesh.

**Name of Faculty: Mrs. P. Gangadevi**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Attended/ Participated in**

1. Skill development workshop on First aid management of trauma victim in emergency. Organized by AIIMS Jodhpur at Auditorium on 24/4/2018.
2. Workshop on Communication and Interpersonal skills in Rajasthan Neurosciences update 2019, Organized by Department of Neurology, AIIMS Jodhpur at Auditorium on 23/3/2019.

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

1. TNAI (trained Nurses Association of India)- Life membership

**Name of Faculty: Mr. Raghu V A**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Membership**

1. National Neonatology Forum (India) – life membership – RAJ/NAL-773

**Name of Faculty: Ms. Moirangthem Sonia**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Name of Faculty: Ms. Arti**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Resource person**

1. Resource person, Arti 3<sup>rd</sup> Indian Nursing Conference, 19<sup>th</sup> January 2019, Nursing Care and Psychiatric Nursing, New Delhi.

**National/ International Conferences attended:**

1. Workshop on Eclampsia and Post Partum Hemorrhage 11<sup>th</sup> April 219, Obstetrical and Gynecological department Umed hospital, Jodhpur.

**Name of Faculty: Mrs. Sanjeeta Dara**  
**Designation: Tutor/ Clinical instructor (Nursing)**

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

1. Life time member of Indian Association of Neonatal Nurses

**National/ International Conferences attended:**

1. 1<sup>st</sup> International Nursing Conclave- 2018, Organised by Jamia Hamdard deemed to be university, Jamia Hamdard University, Delhi, 29<sup>th</sup> - 31 Oct 2018

**Special Training received:**

1. Trained as a trainer for Facility based Newborn Care at Maharishi Markandeshwar University, Mullana date- 22<sup>nd</sup> Jan-25<sup>th</sup> Jan 2019

**Poster Presented:**

1. Dara S. Determinants responsible for infant mortality in urban slums: A descriptive study. 1<sup>st</sup> International Nursing Conclave- 2018, 29<sup>th</sup> - 31 Oct 2018, Jamia Hamdard University, Delhi,

**Name of Faculty: Ms. S. K. Mohanasundari**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Resource Faculty:**

1. Mohanasundari SK. One day National conference on current updates in Paediatric Nursing. "Current updates in neonatology" CON, SVIMS university .Tirupathi AP. 2018 Nov.

**Name of Faculty: Dr. T Deviga**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Sessions Chaired:**

1. Multiorgan trauma management, International conference on Critical care nursing; 26<sup>th</sup>-28<sup>th</sup> Oct 2018, Shri Vinoba Bhave College of Nursing, Silvassa, Dadra Nagar Haveli.

**Resource Faculty:**

1. International conference on Critical care nursing; 26<sup>th</sup>-28<sup>th</sup> Oct 2018, Shri Vinoba Bhave College of Nursing, Silvassa, Dadra Nagar Haveli.

**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.

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

1. Member; Nursing Research society of India
2. Member; Society of Midwives, India
3. Member; Indian Association of Neonatal Nurses

**National/ International Conferences attended:**

1. Interpersonal and communication skills, Neurosurgery department, AIIMS Jodhpur, 23<sup>rd</sup> March 2019
2. Updated RNTCP Pediatric TB guidelines 2019, AIIMS Jodhpur, 25<sup>th</sup> March 2019.
3. HIV symposium, AIIMS Jodhpur, 30<sup>th</sup> Sep 2018.
4. International conference on Critical Care Nursing, Shri Vinoba Bhave College Of Nursing, Silvassa, Dadra Nagar Haveli, 26<sup>th</sup>-28<sup>th</sup> Oct 2018.

**Name of Faculty: Ms. Minakshi Shayar**

**Designation: Tutor/ Clinical instructor (Nursing)**

**Workshops/ Conferences attended**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December. 2018
2. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
3. Workshop on E.N.E.R.G.Y Sutra Of Positive Thinking on 27 march 2019

**Name of Faculty: Ms. Deepali Gaikwad**

**Designation: Tutor/ Clinical instructor (Nursing)**

**National/ International Conferences attended:**

1. Joint Leadership Conclave on healthcare technologies. Organized by AIIMS, Jodhpur. AIIMS, Jodhpur.3-4<sup>th</sup> December 2018.

2. Interpersonal and communication skills. Organized by neurosurgery department. AIIMS Jodhpur. AIIMS, Jodhpur.23.03.19

**Name of Faculty: Mr. Arvind**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Workshops/ Conferences attended**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December. 2018
2. Training programme on Application of Geospatial Technology for Public Health organized by Regional Remote Sensing Center West KBHB jodhpur 24-25 Jan.2019
3. Workshop on AFB & measles sensitization on 5 march 2019
4. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
5. Workshop on E.N.E.R.G.Y SUTRA OF POSITIVE THINKING on 27 march 2019

**Name of Faculty: Ms. Jaishri**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Workshops/ Conferences Organized**

1. Joint Leadership Conclave. AIIMS, Jodhpur, AIIMS Auditorium.3<sup>rd</sup> and 4<sup>th</sup> December 2018.

**Any other information:**

1. Pursuing PhD from Indian Nursing Council in collaboration with Rajiv Gandhi University of Health Sciences, Bangalore.

**Name of Faculty: Mr. Manish Kumar Balai**  
**Designation: Tutor/ Clinical instructor (Nursing)**

**Workshops/ Conferences attended**

1. Conference on Joint conclave IIT and AIIMS Jodhpur on December 2018
2. Workshop on AFB & measles sensitization on 5 march 2019
3. Communication and Interpersonal Skills in the Rajasthan Neuroscience Update held at AIIMS Jodhpur 23-24 March 2019
4. Workshop on E.N.E.R.G.Y SUTRA OF POSITIVE THINKING on 27 march 2019

## School of Public Health (SPH)

### 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 one batch passed out in year 2019. Currently SPH has two batches of MPH (2018 & 2019). 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 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 etc.

### Workshops/ Conferences Organized

Name of Conference	Organized by	Venue	Date
Geospatial Technology applications in Public Health	SPH, AIIMS- J & ISRO, Jodhpur	ISRO, Jodhpur	24-25 January, 2019
Cervical cancer screening & early detection	SPH AIIMS- J, CMHO Office, Tata Trust, Rajasthan Royals, ACF, NICPR, NCG & Doctor for you	Medical Superintended Office, AIIMS, Jodhpur	18-19 February, 2019
AFP and Measles surveillance	SPH, AIIMS-J & WHO	Multipurpose Room, AIIMS -J	05 March, 2019

**Visitors:**

<b>S. No.</b>	<b>Name of Guest Faculty</b>	<b>Designation &amp; Organization</b>	<b>Date of Lecture</b>
1	Dr. Tulsi Patel	Sociology Professor (retd.) at Delhi School of Economics, University of Delhi	11-13 April, 2018
			07-09 May, 2018
2	Ms Bhawana Sati	Public Health Nutritionist by profession, Jodhpur School of Public Health (JSPH), Jodhpur, Rajasthan	16-17 July, 2018
3	Dr. Mahaveer Golechha	MS, PhD-AIIMS, New Delhi, MSc-LSE-LSHTM, UK, Faculty member from Indian Institute of Public Health Gandhinagar (IIPH)	20-22 July, 2018
4	Dr. Harish Agarwal	M.D, PGDHHM (Symbiosis) , working as Assistant Professor Geriatric Medicine S. N. Medical College	10-Sep-18
5	Dr. Prakash Tyagi	Executive Director of GRAVIS and Founder-Director of GRAVIS Hospital	14-Sep-18
6	Dr. Himanshu Chauhan	DADG – International Health Organisation, Directorate General of Health Services, MoHFW	18-20 October, 2018
7	Dr. Saurabh Dalal	Consultant (MP & BD), National Disaster Management Authority, New Delhi	03-04 December, 2018
8	Dr. Deepak Saxena	MBBS, MD (Community Medicine), Ph.D, Prof. at Indian Institute of Public Health Gandhinagar (IIPHG)	08-09 December, 2018
9	Dr. Somen Saha	PhD (UNI MELB) MPH (UNC-CH) faculty members from Indian Institute of Public Health Gandhinagar (IIPH)	08-09 December, 2018
10	Dr. Anup Karan	MA (Economics), PhD (Public Health Economics), University of Oxford, Additional Professor at the Indian Institute of Public Health Gandhinagar	09-11 December, 2018
11	Dr. Habib Hasan Farooqui	Dr Habib Hasan Farooqui, MD (Community Medicine) Associate Professor at Indian Institute of Public Health-Delhi, Public Health Foundation of India (PHFI)	09-11 December, 2018
12	Ms Ting Shih	Founder and CEO of ClickMedix	31-Jan-19

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

S. No	IEC Reference Number	Certificate Reference Number	Name of PI	Designation	Department	Name of Project Title
1	AIIMS/IEC/2019/1366	AIIMS/IEC/2019/611	Dr. Pankaj Bhardwaj	Additional Professor, CMFM & MPH Program Coordinator, SPH	School of Public Health	“Assessment of effectiveness of bio-medical equipment management and maintenance system (e-Upkaran) in Rajasthan”

S. No	Name of Student	Name of Project Title
1	Archana Kumawat	Prevalence and risk factors for Antenatal depression in females attending health care facilities in Jodhpur
2	Balram Meena	Non-communicable diseases (NCDs) risk factors assessment among college students in Jodhpur
3	Deepak Kumar Bhagat	Role of Multi Stakeholders in Planning and Implementation of Road Safety Initiatives in Jodhpur
4	Deepti Mathur	Awareness Medication adherence and Diet pattern among hypertensive attending Tertiary level care facility in Western Rajasthan
5	Diksha	A Mixed method study of LAQshya initiative on Respectful care and quality of Institutional deliveries in Jodhpur
6	Diksha Dhupar	Cost Analysis of Silicosis and Silico- Tuberculosis care among those working in the stone cutting mines of Jodhpur: A mixed-methods Study
7	Divya Goswami	Assessment of cost of care for acute stroke and its associated factors in tertiary care hospitals Western Rajasthan
8	Girish Chandra Dash	Effect of air pollution on respiratory function in urban population of Jodhpur
9	Kavita Choudhary	Burden and Quality of life of Family caregivers of Geriatric patients requiring chronic care in a Tertiary Care hospital in western Rajasthan



S. No	Name of Student	Name of Project Title
10	Mamta Patel	Prevalence and factors contributing to anxiety, depression and cognitive disorders among rural and urban elderly in Jodhpur
11	Mrinalini Mingwal	Assessment of Risk Factors and awareness regarding Non-Communicable Diseases among Rural and Urban School going Adolescents in Jodhpur
12	Pratibha Vyas	Health-Related Quality of Life & Perceived Palliative Care Needs Among Patients with Cancer Therapy in Tertiary Care Hospital, Jodhpur
13	Rakhi Dwivedi	The effect of a School based peer group intervention on menstrual health: An intervention study among adolescent girls in Keru Jodhpur
14	Rashmi Kaushal	Association of Asthma and sleep related Breathing disorders in school going children in Jodhpur

**Completed:**

S. No	Name of Student	Name of Project Title
1.	Ameya Vaze	Clinical Validation of Optical Spectroscopy for screening of Oral Cancer: A Cross-Over study
2.	Debadutta Sahoo	Universal Newborn Hearing Screening at Primary & Secondary Level Health Care Facilities in Jodhpur: A Feasibility study
3.	Himani Yadav	Assessment of Kayakalp Program and its Result Based Financing in the state of Rajasthan
4.	Jyoti Sharma	Utilisation of services under Reproductive and Child Health programme among married women in urban slums of Jodhpur city
5.	Niraj Kumar	Challenges, barriers and good practices in the implementation of Rashtriya Bal Swasthya Karyakram in Jodhpur
6.	Neha Choudhary	Perception and practices regarding Menstrual Hygiene among Adolescent Girls in Urban and Rural Areas of Jodhpur
7.	Ritesh Tanwar	Assessment of different Quality Assurance Models in health care facilities- An Overview
8.	Shikha Upadhyay	Malnutrition and Physical frailty in elderly outdoor patients in Jodhpur
9.	Varsha Joshi	Assessment of Maternal Health & Nutritional Status in School going Adolescents in Rural and Urban areas of Jodhpur

**Achievements**



Different World Records on Largest Hand Hygiene Lesson for School Children on Global Hand Washing Day: 2018



Successfully completed Swachh Bharat Summer Internships 2018 launched by Govt. of India

# **Construction & Development at AIIMS**



## Engineering Department AIIMS Jodhpur

S.No.	Name	Designation
1.	Er. R.K. Joshi	Superintending Engineer (till 30.11.2018 A/N)
2.	Er. Sunil Mathur	Executive Engineer Civil (Looking after charge of Superintending Engineer since 01.12.2018 A/N)
3.	Er. Pankaj Saxena	Executive Engineer (Electrical) Joined on 23 <sup>rd</sup> February, 2018
4.	Er. Chandresh Pareek	Assistant Engineer (Civil) Joined on 25 <sup>th</sup> July, 2017
5.	Er. Ajit Kumar	Junior Engineer (Electrical) Joined on 07.08.2018
6.	Er. Harshit Bhandari	Junior Engineer (Electrical) Joined on 27.08.2018

### Project Consultants - M/s HLL INFRA TECH SERVICES LTD. since April, 2016

S.No.	Name	Designation
1.	Er. Vivek Bhardwaj	Deputy Project Manager (Civil)
2.	Er. Komal Singh Sambhalwal	Manager (Electrical)
3.	Er. Yogesh Mathur	Project Engineer (Civil)
4.	Er. Nitish Kumar Seth	Site Engineer (Electrical) Discontinued by M/s HITES on 24.02.2019
5.	Mr. Jaise Parayil Kurian	Deputy Manager (BME) Proceeded on leave from 22.12.2018, yet not returned
6.	Er. Varun Kumar	Assistant Project Engineer (Mechanical) Joined on 02.04.2019

**Original DDPR Consultants - M/s Mathur & Kapre Associates Pvt. Ltd.  
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:-**

Package	Name of Agency/Contractor	Nature of work	Contract Amount (Rs. In Crore)	Date of Commencement	Original Date of Completion	Progress upto 31 <sup>st</sup> March 2019
I	M/s Consolidated Construction Consortium Ltd.	Medical College Complex Buildings	66.39	30.05.2010	29.08.2011	Work Completed on 30.04.2017
II	M/s L & T Ltd.	Hospital Complex Buildings	217.09	16.09.2010	15.09.2012	97.41%
III	M/s Sudhir Gensets Ltd.	Electrical Services	43.38	19.08.2011	18.12.2012	Work Completed on 31.10.2015
IV	M/s Jatan Construction Pvt. Ltd.	Estate Services	51.84	04.07.2012	03.07.2013	Work Completed on 15.11.2016

**Package – I  
(Medical College Complex)**

S.NO	NAME OF BUILDING	CONFIGURATION	TOTAL FLOOR (SQ.Metre)
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
Total			43950

**Package – II  
(Hospital Complex)**

S.NO	NAME OF BUILDING	CONFIGURATION	TOTAL FLOOR (SQM)
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
Total			102686

**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 HT TRANSFORMERS – 2.5 MVA	05 NOS
4	33KV/433V HT 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	06 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 & 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 EXECUTED THROUGH CPWD DURING 2018-19**

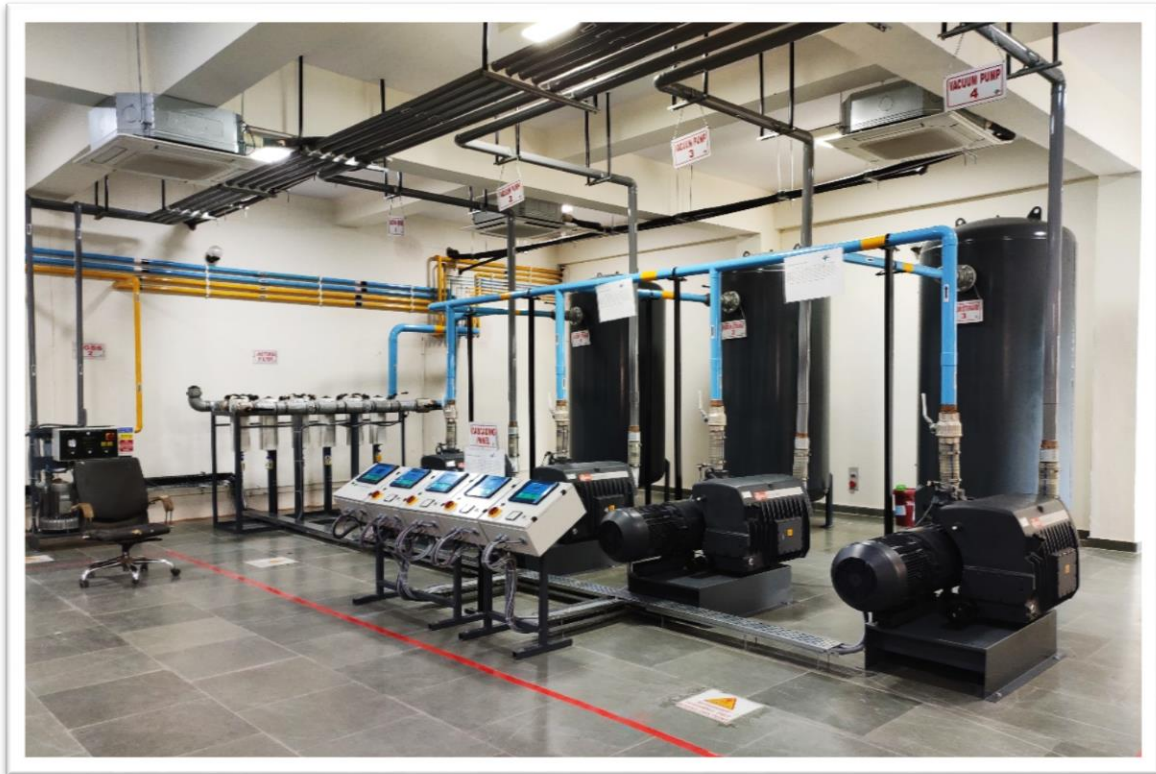
<b>S. No.</b>	<b>Nature of Work</b>	<b>Contract Amount (In Rs.)</b>	<b>Date of Commencement</b>	<b>Original Date of Completion</b>	<b>Progress up to 31st March 2019</b>	<b>Remark</b>
1	Construction of Ramp between medical OPD and psychiatry OPD in AIIMS Campus Basni, Jodhpur.	1,97,65,861/-	08-08-2017	11.02.2019	Work Completed	C/o Partition walls and other misc civil work in D&T O.T. and Trauma Building at AIIMS Campus Jodhpur.
2	Construction of Gas Manifold Plant room in AIIMS Campus Basni, Jodhpur.	58,85,740/-	10-08-2017	05-03-2018	Work Completed	(30 O.T.) A separate sanction of Rs. 55,99,100/- received



Engineering Team



Virtual Inauguration of Building by Health Minister



MGPS Plant Room



Electrical Sub-station



HVAC Plant Room



OPD Ramp



Residential Complex



Trouma Modular OT



Quarterly Fire Mock Drill



Oncology Gamma Camera





Central Sterile Store Department



Aerial View of Illuminated Campus on Convocation Day



# **Audited Annual Accounts**





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


**FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR  
2018-19**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****BALANCE SHEET AS AT 31st MARCH 2019**

(Amount - Rs.)				
S.No.	PARTICULARS	SCHEDULE	Current Year	Previous Year
	<b><u>CORPUS / CAPITAL FUND AND LIABILITIES</u></b>			
a)	CORPUS / CAPITAL FUND	1	663,842,886	490,643,658
b)	RESERVES AND SURPLUS	2	-	-
c)	EARMARKED / ENDOWMENT FUNDS	3	3,548,817,669	2,696,793,301
d)	SECURED LOANS AND BORROWINGS	4	-	-
e)	UNSECURED LOANS AND BORROWINGS	5	-	-
f)	DEFERRED CREDIT LIABILITIES	6	-	-
g)	CURRENT LIABILITIES AND PROVISIONS	7	514,616,120	815,534,263
	<b>TOTAL</b>		<b>4,727,276,675</b>	<b>4,002,971,221</b>
	<b><u>ASSETS</u></b>			
a)	FIXED ASSETS	8	2,527,929,470	1,484,805,767
b)	INVESTMENTS	9	-	-
c)	INVESTMENTS - OTHERS	10	601,000,000	1,335,500,000
d)	CURRENT ASSETS, LOANS, ADVANCES ETC.	11	1,598,347,205	1,182,665,454
e)	MISCELLANEOUS EXPENDITURE (to the extent not written off for adjusted)		-	-
	<b>TOTAL</b>		<b>4,727,276,675</b>	<b>4,002,971,221</b>
	SIGNIFICANT ACCOUNTING POLICIES	24		
	CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
**Anant Prakash Das**  
**ANANT PRAKASH DAS**  
 Financial Advisor  
 अनन्त प्रकाश, जोधपुर  
**FINANCIAL ADVISOR**  
 वित्तीय सलाहकार  
**AIIMS JODHPUR**  
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**Dr. Sanjeev Misra**  
 Director

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 अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
 All India Institute of Medical Sciences, Jodhpur

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2019**

(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	14,099	15,851	a) Establishment Expenses	1427472338	970,390,135
b) Bank Balances	250,862,839	189,581,960	(corresponding to Sch.20)		-
			b) Administrative Expenses	1343497062	384,356,069
			(corresponding to Sch.21)		-
<b>II. Grants in Aid Received</b>			<b>II. Investments and deposits made</b>		
a) From Government of India			Fixed Deposit	(734,500,000)	(474,500,000)
For Capital	1,150,000,000	550,000,000	(Investments - others)		-
For Salary	1,121,400,000	522,400,000			-
For General	1,218,400,000	658,200,000			-
For SAP	-	50,000,000			-
<b>III. Interest Received</b>			<b>III. Expenditure on Fixed Assets</b>		
a) On Bank Deposits	116,704,432	87,594,186	Purchase of Fixed Assets	1,053,973,260	665,763,101
					-
<b>IV. Other Income (Specify)</b>			<b>IV. Advances</b>		
a) MBBS Fee	943,738	1,181,084	a) Faculty		818,700
b) Nursing Fee	128,030	293,239	b) AIIMS GORAKHPUR	30,000,000	-
c) Blood Bank Receipts	427,580	3,758,746	c) AIIMS Delhi	-	34,000,000
d) IPD Collection	87,121,948	45,968,910	e) Advance given to HLL/Vendors	(13,942,428)	334,618,495
e) Registration Fees	4,026,380	4,235,145	f) Research Cell	(1,858,924)	16,187,989
f) Consultancy Fees	3,180,440	2,854,310	g) CPWD	(20,216,826)	49,232,611
g) Lab Testing Fees	55,723,641	37,423,138	h) Security for Gas Connection		3,400
h) Fees for PG	214,679	272,034	i) Others	75,300,037	864,000
i) Fees for Other Courses	2,624,425	1,462,660	j) Registrar General Delhi High Court	165,396,561	-
					-
<b>V. Amount Borrowed/ Advance</b>			<b>V. Other Payments (Specify)</b>		
a) Security & EMD of Tenders	10,557,560	-	a) Security & EMD of Tenders	-	6,437,249
b) Patient Treatment	-	-	b) Patient Treatment	848,854	834,100
c) Caution Money & Hostel Security	377,900	340,600	c) Duties and Taxes	-	-
			d) HBA to Staff	1,584,000	-
			e) Others	239,486,834	-
<b>VI. Any other receipts</b>			<b>VI. Closing Balances</b>		
a) Tender receipts	-	155,000	a) Cash in hand	17,915	14,099
b) Application Money for Recruitment	(9,824,843)	(1,190,690)	b) Bank Balances	450,486,473	250,862,839
c) Misc. Receipts	2,963,786	79,123,072			
d) Other	1,698,521	6,213,542			
<b>TOTAL</b>	<b>4,017,545,155</b>	<b>2,239,882,787</b>	<b>TOTAL</b>	<b>4,017,545,155</b>	<b>2,239,882,787</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur


Anant Prakash  
Financial Advisor

**ANANT PRAKASH, IDAS**  
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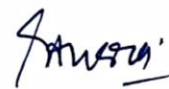
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2019**

(Amount - Rs.)			
<b>INCOME</b>	Schedule	Current Year	Previous Year
Income from Sales / Services	12	150,479,989	94,545,267
Grants / Subsidies	13	2,721,801,650	1,681,989,833
Fees / Subscriptions	14	3,910,872	2,773,573
Income from Investments	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	82,028,732	68,847,102
Other Income	18	297,632,889	186,892,471
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>3,255,854,131</b>	<b>2,035,048,246</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	1,807,510,665	1,187,273,294
Other Administrative Expenses etc.	21	914,290,985	494,716,539
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year end - corresponding to Schedule 8)		294,565,649	176,300,098
<b>TOTAL (B)</b>		<b>3,016,367,299</b>	<b>1,858,289,931</b>
Balance being excess of Income over Expenditure (A - B)		239,486,833	176,758,316
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
TDS on Rent adjusted to Capital Account		16,000	-
<b>BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND</b>		<b>239,470,833</b>	<b>176,758,316</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur


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Financial Advisor

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All India Institute of Medical Sciences, Jodhpur



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

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019

(Amount - Rs.)		
<b>SCHEDULE 1 - CORPUS / CAPITAL FUND :</b>	Current Year	Previous Year
Balance as at the beginning of the year	490,643,658	382,732,444
<b>Add:</b> Contribution towards Corpus / Capital Fund	-	0
<b>Add / (Deduct) :</b> Balance of net income / (expenditure) transferred from Income and Expenditure Account	239,470,833	176,758,316
<b>Add:</b> Excess depreciation of Last year wrtten back in C.Y.	15,757,128	0
Less :- Interest income transfer to Consolidate fund of India	82,028,732	68,847,102
<b>BALANCE AS AT THE YEAR - END</b>	<b>663,842,886</b>	<b>490,643,658</b>

(Amount - Rs.)				
<b>SCHEDULE 2 - RESERVES AND SURPLUS</b>	Current Year		Previous Year	
<b>1. Capital Reserve:</b>				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
<b>2. Revaluation Reserve:</b>				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
<b>3. Special Reserves :</b>				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
<b>4. General Reserve :</b>				
As per last Account	-		-	
Addition during the year	-		-	
Less : Deductions during the year	-		-	
<b>TOTAL</b>				

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**

	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		
a) Opening balance of the funds	1,483,959,221	934,097,719	1,168,504,870	1,339,128,970	44,329,210	-	2,696,793,301	2,273,226,689
b) Additions to the Funds:								
i) Donations / grants	-	-	1,150,000,000	550,000,000	-	50,000,000	1,150,000,000	600,000,000
ii) Income from investments made on account of funds	-	-	-	-	-	-	-	-
iii) Other additions	-	-	-	-	-	-	-	-
iv) Fund Received	1,337,689,352	727,008,145	-	-	-	-	1,337,689,352	727,008,145
<b>TOTAL (a + b)</b>	<b>2,821,648,573</b>	<b>1,661,105,864</b>	<b>2,318,504,870</b>	<b>1,889,128,970</b>	<b>44,329,210</b>	<b>50,000,000</b>	<b>5,184,482,653</b>	<b>3,600,234,834</b>
c) Utilisation / Expenditure towards objectives of funds								
i) Capital Expenditure								
- Fixed Assets	-	-	1,332,699,368	721,470,645	4,989,984	5,537,500	1,337,689,352	727,008,145
- Others	-	846,545	-	-	-	-	-	-
Total	-	846,545	1,332,699,368	721,470,645	4,989,984	5,537,500	1,337,689,352	727,008,145
ii) Revenue Expenditure								
- Salaries, Wages and allowances etc.	-	-	-	-	-	133,290	3,409,983	133,290
- Rent & Others	-	-	-	-	-	-	294,565,649	176,300,098
- Other For Depreciation adjustment	294,565,649	176,300,098	-	-	3,409,983	133,290	297,975,632	176,433,388
Total	294,565,649	177,146,643	1,332,699,368	721,470,645	8,399,967	5,670,790	1,635,664,984	903,441,533
<b>TOTAL (c)</b>	<b>2,527,082,924</b>	<b>1,483,959,221</b>	<b>985,805,502</b>	<b>1,168,504,870</b>	<b>35,929,243</b>	<b>44,329,210</b>	<b>3,548,817,669</b>	<b>2,696,793,301</b>
<b>NET BALANCE AS AT THE YEAR END (a + b - c)</b>								

For and on behalf of All India Institute of Medical Sciences, Jodhpur



Anant Prakash  
Financial Advisor



Dr. Sanjeev Misra  
Director

**ANANT PRAKASH, IDAS**

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AIIMS JODHPUR

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निदेशक

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अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर

All India Institute of Medical Sciences, Jodhpur

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**

		(Amount - Rs.)			
<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS :</b>		<b>Current Year</b>		<b>Previous Year</b>	
1. Central Government		-	-	-	-
2. State Government (Specify)		-	-	-	-
3. Financial Institutions		-	-	-	-
a) Term Loans		-	-	-	-
b) Interest accrued and due		-	-	-	-
4. Banks:					
a) Term Loans		-	-	-	-
- Interest accrued and due		-	-	-	-
b) Other Loans (specify)		-	-	-	-
- Interest accrued and due		-	-	-	-
5. Other Institutions and Agencies		-	-	-	-
6. Debentures and Bonds		-	-	-	-
7. Others (specify)		-	-	-	-
<b>TOTAL</b>		-	-	-	-

		(Amount - Rs.)			
<b>SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS</b>		<b>Current Year</b>		<b>Previous Year</b>	
1. Central Government		-	-	-	-
2. State Government (specify)		-	-	-	-
3. Financial Institutions		-	-	-	-
4. Banks:		-	-	-	-
a) Term Loans		-	-	-	-
b) Other loans (specify)		-	-	-	-
5. Other Institutions and Agencies		-	-	-	-
6. Debentures and Bonds		-	-	-	-
7. Fixed Deposits		-	-	-	-
8. Others (specify)		-	-	-	-
<b>TOTAL</b>		-	-	-	-

		(Amount - Rs.)			
<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

  
 Anant Prakash  
 Financial Advisor  
**ANANT PRAKASH, IDAS**  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019

		(Amount - Rs.)	
<b>SCHEDULE - 7 CURRENT LIABILITIES AND PROVISIONS</b>			
<b>A. CURRENT LIABILITIES</b>		<b>Previous Year</b>	
		<b>Current Year</b>	
1. Acceptances			-
2. Sundry Creditors			-
a) Consolidated Consortium Limited			-
b) Sudhir Gensets Limited			-
3. Advances Received	25,962	25,962	-
4. Interest Accrued but not due on:			-
a) Secured Loans/Borrowings			-
b) Unsecured Loans/Borrowings			-
5. Statutory liabilities:			-
a) Overdue	-		-
b) NPS Payable	5,292,228		4,900,393
c) TDS on Contract / Non Salary	-		-
d) State Insurance	7,890		-
e) Pension Scheme	1,964,994		139,595
		7,265,112	5,039,988
6. Other Current Liabilities			
a) EMD Deposits of Various Tenders	62,097,816		51,540,256
b) Unspent Grant in Aid payable to Central Government			
i) Under Salary Head	72,805,701		379,277,764
ii) Under General Head	27,679,998		103,209,585
c) Hostel Fees ( Refundable )	1,420,000		1,079,000
d) Caution Money (Refundable)	156,300		119,400
e) Amount due of Contractors	8,268,947		1,066,282
f) Receipts for Patients Treatment from CMO/PMO/Others	7,887,782		8,736,636
g) Application Fee for			
i) Faculty Recruitment	10,302		827,318
ii) Staff Recruitment	10,078,511		19,316,671
h) Others	9,539,414		80,662,446
i) Interest earning remitted to Consolidate fund of India	150,875,834	350,820,605	68,847,102
<b>TOTAL (A)</b>		<b>358,111,679</b>	<b>719,722,448</b>
<b>B. PROVISIONS</b>			
1. For Taxation			
2. Others			
a) Electricity Expenses	7,037,578		7,136,540
b) Water Expenses	120,180		110,379
c) Telephone Expenses	300,000		49,912
d) Transport Expenses	2,432,379		1,371,699
e) Manpower Services	32,095,783		51,881,556
f) Security Services	37,689,928		12,331,287
g) Repair & Maintance	8,760,329		15,083,237
h) Washing Expenses	930,988		1,775,034
i) Provision for Furniture	495,570		495,570
j) Learning Resource Allowance	-		3,245,501
k) Stipend Exp.	3,367,445		2,310,100
l) Others	-		21,000
m) Hospital Support Services	41,287,275		
n) Housekeeping & cleaning	21,986,986		
		156,504,441	95,811,815
<b>TOTAL (B)</b>		<b>156,504,441</b>	<b>95,811,815</b>
<b>TOTAL (A + B)</b>		<b>514,616,120</b>	<b>815,534,263</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur

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

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019


(Amount - Rs.)		
SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others to be specified	-	-
<b>TOTAL</b>	-	-

(Amount - Rs.)		
SCHEDULE 10 - INVESTMENTS - OTHERS	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Fixed Deposit Receipts with Bank of Baroda, Jodhpur	601,000,000	1,335,500,000
<b>TOTAL</b>	601,000,000	1,335,500,000

(Amount - Rs.)		
SCHEDULE 11 - CURRENT ASSETS, LOANS AND ADVANCES ETC.	Current Year	Previous Year
<b>A. CURRENT ASSETS</b>		
<b>1. Inventories</b>		
a) Stores	198,789,360	100,049,007
<b>2. Sundry Debtors:</b>		
a) Debts outstanding for a period exceeding six months	-	-
a) Others	-	-
<b>3. Cash balances in hand</b>	17,915	14,099
<b>4. Bank Balances</b>		
a) With Scheduled Banks:	450,486,473	250,862,839
<b>5. Post Office Savings Accounts</b>		
<b>TOTAL (A)</b>	649,293,748	350,925,945
<b>B. LOANS, ADVANCES AND OTHER ASSETS</b>		
<b>1. Loans :</b>		
a) Staff	1,584,000	-
b) Other Entities engaged in activities/objectives similar to that of the Entity	-	-
<b>2. Advances and other amounts recoverable in cash or in kind or for value to be received</b>		
a) On Capital Account(National Informatics Centre)	138,730	301,193
b) Others(Security Deposit with JVVNL)	1,025,700	643,000
c) Advance given to AIIMS, Patna for faculty recruitment	319,012	319,012
d) Security With BSNL	5,000	5,000
e) Research cell	20,347,389	23,476,313
f) Advances for equipment	25,098,476	5,751,502
g) CPWD	53,662,528	73,879,354
h) Security Deposit for Gas Connection	20,400	20,400
i) HLL Lifecare Limited	598,688,115	612,630,543
j) Others	6,520,000	261,132
k) <b>Advances</b>		
a) Faculty	1,406,886	928,700
b) Staff	247,315	-
c) Contractor	921,758	912,408
l) AIIMS Delhi	-	34,000,000
m) Registrar-General Delhi Hight Court	165,396,561	-
n) AIIMS Gorakhpur	30,000,000	-
<b>3. Income Accrued :</b>		
a) Accrued Interest Income	43,671,587	78,363,287
<b>4. Claim Receivables</b>		
a) Prepaid Exp.	0	247,664
<b>TOTAL (B)</b>	949,053,457	831,739,508
<b>TOTAL (A + B)</b>	1,598,347,205	1,182,665,454

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
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**अनन्त प्रकाश, आईडीएस**  
**FINANCIAL ADVISOR**  
 निदेशक सहायक  
**AIIMS JODHPUR**  
**एम्स जोधपुर**

  
 Dr. Sanjeev Misra  
 Director  
 डॉ. संजीव मिश्रा  
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 All India Institute of Medical Sciences, Jodhpur

**SCHEDULE 8 - FIXED ASSETS**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**

DESCRIPTION	Depreciated on Rate	GROSS BLOCK					DEPRECIATION					NET BLOCK					
		Cost / valuation as at the beginning of the year	1	2	3	4(2+3)	5	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 Balance as on 1.4.18	Total up to the year-end	As at the current year-end	As at the previous year-end	
<b>FIXED ASSETS</b>																	
LAND (Leasehold Land)			70	5000	-	5,000	-	5,070	0	0	0	0	0	0	5,070	70	
BUILDINGS																	
PLANT MACHINERY & EQUIPMENT	15.00%	983,679,075	359,779,251	429,640,384	789,419,645	-	1,753,088,720	287,638,654	53,966,888	62,723,921	116,660,811	101,376,363	505,903,828	1,247,194,891	675,842,421		
PLANT MACHINERY & EQUIPMENT(LIFE SAVING EQUIPMENT)	40.00%	44,354,738	-	-	-	-	44,354,738	36,930,281	-	-	-	2,969,782	39,900,063	4,454,676	7,424,458		
VEHICLES																	
FURNITURE FIXTURES	10.00%	212,769,014	46,064,585	20,806,111	66,870,696	-	279,439,710	55,876,197	4,606,459	1,030,306	5,636,764	15,680,282	77,202,243	202,237,467	156,892,817		
OFFICE EQUIPMENT	15.00%	53,714,666	2,689,036	7,210,890	9,900,016	-	63,614,682	15,005,690	403,355	540,824	944,179	5,806,346	21,756,215	41,856,467	38,708,976		
SCIENTIFIC EQUIPMENTS	15.00%	30,874,869	16,247,791	2,484,768	18,742,559	-	49,617,368	12,621,082	2,437,169	187,108	2,624,276	2,738,059	17,983,417	31,633,951	18,253,728		
COMPUTER / PERIPHERALS	40.00%	131,734,448	21,801,431	6,614,460	28,415,891	-	160,150,339	92,862,380	8,729,572	1,322,892	10,043,463	15,510,150	118,515,993	41,854,346	38,772,069		
ELECTRIC INSTALLATIONS																	
LIBRARY BOOKS	40.00%	35,685,611	25,599,261	14,523,090	40,122,352	-	75,807,963	35,556,767	10,239,704	2,004,618	13,144,322	51,538	48,752,627	27,055,337	128,845		
OTHER FIXED ASSETS																	
<b>TOTAL OF CURRENT YEAR</b>		<b>1,472,812,432</b>	<b>472,186,355</b>	<b>481,088,803</b>	<b>953,276,159</b>	<b>-</b>	<b>2,426,088,591</b>	<b>536,789,050</b>	<b>80,374,147</b>	<b>68,709,867</b>	<b>149,083,815</b>	<b>144,141,520</b>	<b>830,814,386</b>	<b>1,596,974,205</b>	<b>936,023,382</b>		
<b>PREVIOUS YEAR</b>		<b>1,083,100,222</b>	<b>145,209,072</b>	<b>244,803,066</b>	<b>389,712,140</b>	<b>-</b>	<b>1,472,812,432</b>	<b>360,984,265</b>	<b>36,267,006</b>	<b>27,443,218</b>	<b>63,910,227</b>	<b>111,374,556</b>	<b>556,786,090</b>	<b>936,923,383</b>	<b>722,196,028</b>		
<b>CAPITAL WORK-IN-PROGRESS</b>		<b>543,660,197</b>	<b>322,582,466</b>	<b>56,840,754</b>	<b>379,423,210</b>	<b>-</b>	<b>923,065,407</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>923,065,407</b>	<b>643,680,197</b>		
<b>TOTAL</b>		<b>794,766,811</b>	<b>537,930,557</b>	<b>1,332,699,364</b>	<b>-</b>	<b>-</b>	<b>3,349,171,997</b>	<b>80,374,147</b>	<b>-</b>	<b>-</b>	<b>149,083,815</b>	<b>144,141,520</b>	<b>830,814,386</b>	<b>2,519,157,612</b>	<b>1,479,683,579</b>		

**SCHEDULE 8 - FIXED ASSETS**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**

DESCRIPTION	Depreciated on Rate	GROSS BLOCK					DEPRECIATION					NET BLOCK					
		Cost / valuation as at the beginning of the year	1	2	3	4(2+3)	5	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 Balance as on 1.4.18	Total up to the year-end	As at the current year-end	As at the previous year-end	
PLANT MACHINERY & EQUIPMENT	15%	5537500	2636484	2353500	4989894	-	10527484	415313	396,473	176,513	571,985	0	768,328	1,755,626	8,771,858	5122187	
<b>TOTAL OF CURRENT YEAR</b>		<b>5537500</b>	<b>2636484</b>	<b>2353500</b>	<b>4989894</b>	<b>0</b>	<b>10527484</b>	<b>415313</b>	<b>396,473</b>	<b>176,513</b>	<b>571,985</b>	<b>0</b>	<b>768,328</b>	<b>1,755,626</b>	<b>8,771,858</b>	<b>5122187</b>	
<b>PREVIOUS YEAR</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415313</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAPITAL WORK-IN-PROGRESS</b>		<b>5537500</b>	<b>2636484</b>	<b>2353500</b>	<b>4989894</b>	<b>0</b>	<b>10527484</b>	<b>415313</b>	<b>396,473</b>	<b>176,513</b>	<b>571,985</b>	<b>0</b>	<b>768,328</b>	<b>1,755,626</b>	<b>8,771,858</b>	<b>5122187</b>	
<b>TOTAL</b>		<b>5537500</b>	<b>2636484</b>	<b>2353500</b>	<b>4989894</b>	<b>0</b>	<b>10527484</b>	<b>415313</b>	<b>396,473</b>	<b>176,513</b>	<b>571,985</b>	<b>0</b>	<b>768,328</b>	<b>1,755,626</b>	<b>8,771,858</b>	<b>5,122,187</b>	

For and on behalf of All India Institute of Medical Sciences, Jodhpur

  
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**Dr. Sanjeev Misra**  
 Director

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 All India Institute of Medical Sciences, Jodhpur

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

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019

(Amount - Rs.)		
<b>SCHEDULE 12 - INCOME FROM SALES / SERVICES</b>	Current Year	Previous Year
<b>1. Income from Sales</b>		
a) Sale of Finished Goods	-	-
b) Sale of Raw Material	-	-
c) Sale of Scraps	-	-
<b>2. Income from Services</b>		
a) Labour and Processing Charges	-	-
b) Professional / Consultancy charges	-	-
c) Agency Commission and Brokerage	-	-
d) Maintenance Services (Equipment / Property)	-	-
e) Others	-	-
1) Lab testing fees	55,723,641	37,423,138
2) Registration fees	4,026,380	4,235,145
3) IPD Collection	79,158,400	43,747,625
4) Blood Bank receipts	427,580	4,063,764
5) Consultancy fees	3,318,620	2,854,310
6) Trauma & Emergency	7,825,368	2,221,285
<b>TOTAL</b>	<b>150,479,989</b>	<b>94,545,267</b>


(Amount - Rs.)		
<b>SCHEDULE 13 - GRANTS / SUBSIDIES</b>	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1) Central Government		
A) Under General head	1,293,929,587	888,007,547
B) Under Salary head	1,427,872,063	793,982,286
<b>TOTAL</b>	<b>2,721,801,650</b>	<b>1,681,989,833</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur



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All India Institute of Medical Sciences, Jodhpur

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


SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019

SCHEDULE 14 - FEES / SUBSCRIPTIONS	(Amount - Rs.)	
	Current Year	Previous Year
1) Entrance and Mess Fees		
a) MBBS Fees	943,738	1,034,184
b) Nursing Fees	128,030	130,095
c) Fees for PG	214,679	159,834
d) Fees for MPH	1,890,000	1,155,000
e) Fees for Other courses	734,425	294,460
<b>TOTAL</b>	<b>3,910,872</b>	<b>2,773,573</b>

SCHEDULE 15 - INCOME FROM INVESTMENTS (Income on Investment from Earmarked / Endowment funds transferred to Funds)	(Amount - Rs.)			
	Investment from Earmarked Fund		Investment- Others	
	Current Year	Previous Year	Current Year	Previous Year
1) Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds / Debentures	-	-	-	-
2) Dividends				
a) On Shares	-	-	-	-
b) On Mutual Fund Securities	-	-	-	-
3) Rents	-	-	-	-
4) Others (Specify)	-	-	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.	(Amount - Rs.)	
	Current Year	Previous Year
1) Income from Royalty	-	-
2) Income from Publications	-	-
3) Others (specify)	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>

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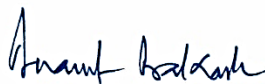
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**


(Amount - Rs.)		
<b>SCHEDULE 17 - INTEREST EARNED</b>	Current Year	Previous Year
1) On Term Deposits		
a) With Scheduled Banks	82,028,732	68,847,102
b) With Non Scheduled Banks		-
c) With Institutions		-
d) Others		-
2) On Saving Accounts		
a) With Scheduled Banks		-
b) With Non Scheduled Banks		-
c) Post Office Savings Accounts		-
d) Others		-
3) On Loans		
a) Employee/Staff		-
b) Others		-
4) Interest on Debtors and Other Receivables		-
<b>TOTAL</b>	<b>82,028,732</b>	<b>68,847,102</b>

(Amount - Rs.)		
<b>SCHEDULE 18 - OTHER INCOME</b>	Current Year	Previous Year
1) Miscellaneous Income		
A) Tender receipts	-	155,000
B) Application Fees for Recruitment	230,333	198,472
C) Licence Fees for Staff Quarters	1,684,520	1,458,385
D) Deferred income for depreciable fixed assets	294,565,648	176,300,098
E) Other receipts	1,152,388	8,780,516
<b>TOTAL</b>	<b>297,632,889</b>	<b>186,892,471</b>

(Amount - Rs.)		
<b>SCHEDULE 19 - INCREASE / (DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS</b>	Current Year	Previous Year
a) Closing Stock		
-- Finished Goods	-	-
-- Work-in-progress	-	-
b) Less: Opening Stock		
- Finished Goods	-	-
- Work-in-progress	-	-
<b>NET INCREASE / (DECREASE) [a - b]</b>	<b>-</b>	<b>-</b>

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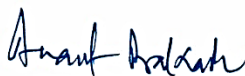
  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019**

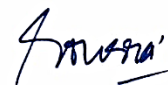
(Amount - Rs.)		
<b>SCHEDULE 20 - ESTABLISHMENT EXPENSES</b>	Current Year	Previous Year
a) Salaries and Wages	1236225794	675979671
b) Allowances	84976561	77903700
c) Contribution to New Pension Scheme	65547193	36016555
d) Staff Welfare Expenses		
e) Honorarium/ Special Allowances	-	280000
f) Outsourcing Agency Expenses		
1. Man power services	263151767	257737470
2. Security services	148754285	135553538
g) Leave Travel Concession	5971603	2607352
h) Medical Reimbursement Claim	2883462	1195008
<b>TOTAL</b>	<b>1,807,510,665</b>	<b>1,187,273,294</b>

(Amount - Rs.)		
<b>SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.</b>	Current Year	Previous Year
a) Advertisement Expenses	16567148	13543326
b) Electricity Expenses	95803850	80211791
c) Water Charges	1035657	1370454
d) Bank Charges	121633	157380
e) Repairs and Maintenance	108724122	160239217
f) Departmental Expenses	17878500	15959709
g) Transport Expenses	18103560	15405631
h) Postage and Telephone charges	4243370	2208016
i) Printing and Stationery	10811536	7390211
j) Lab & Consumable exp.	61085026	24854345
k) Registration and Membership fees	5527577	2587872
l) Travelling Allowance	28899869	21217666
m) Stipend	32267450	15492610
n) Office Expenses	10999906	4071038
o) Misc. Expenses	5141242	2419864
p) Recruitment Exp.	25416086	7721670
q) Chemicals & Consumable for OPD & IPD	111533146	93928507
r) Medicine Exp.	55569631	19964865
s) Audit Fee	210345	212420
t) Washing and Cleaning Expenses	9198929	4462247
u) Examiners Remuneration & Honorarium	1470700	1297700
v) Hospital Support Services	162384188	
w) Housekeeping & Cleaning	131297513	
<b>TOTAL</b>	<b>914,290,985</b>	<b>494,716,539</b>

For and on behalf of All India Institute of Medical Sciences, Jodhpur


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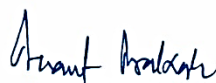
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2019

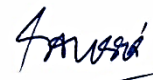
SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.	(Amount - Rs.)	
	Current Year	Previous Year
a) Grants given to Institutions / Organisations	-	-
b) Subsidies given to Institutions / Organisations	-	-
<b>TOTAL</b>	-	-
<b>Note</b> : - Name of the Entities, their Activities along with the amount of Grants / 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>	-	-

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निदेशक  
Director

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
All India Institute of Medical Sciences, Jodhpur

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

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2019

**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).  
3.3 Capital grant is transferred 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 2018-19  
3.5 Unspent Grants have been transferred to Current Liabilities and shown as unspent grant payable to Central Government at the end of financial year 2018-19.

**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 for the previous years. Equipment for which only CRC is issued and FAC/Installation report is not issued till 31.03.2019 have been taken to Capital Work in Progress.  
4.4 Advance amount paid to CPWD for new Construction work is shown as WIP in schedule 08 of Annual accounts.

**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 Equipment supplied to the Institute by HLL Lifecare (PSA of MoHFW) during the F.Y. 2018-19 have been depreciated from the date of installation as per the above point 5.2. Depreciation has been charged on these equipment for F.Y. 2018-19 collectively i.e. Rs.39325583/- for F.Y. 2018-19 except HELA. The Hight Energy Linear Accelerator system has been installed on 16/03/2018, but installation certificate has been issued on 09/04/2018. Hence depreciation charged for the F.Y. 2017-18 of Rs.14282957/- in additional depreciation in F.Y 2018-19.  
5.4 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.6.78 (Approx) Crore in financial year 2018-19.

**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

Anant Prakash  
Financial Advisor

Dr. Sanjeev Misra  
Director

**ANANT PRAKASH, IDAS**

अनन्त प्रकाश, आईडीएस  
FINANCIAL ADVISOR

वित्तीय सलाहकार  
AIIMS JODHPUR

एम्स जोधपुर

डॉ. संजीव मिश्रा  
Dr. Sanjeev Misra  
निदेशक  
Director

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर  
All India Institute of Medical Sciences, Jodhpur

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

SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2019

**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.1.91 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.59.86 crore have been given to HLL Lifecare Ltd. (PSA of MoHFW) for supply of various medical equipments.
  - 2.3 Advances are given to vendor against Opening of Letter of Credit, Custom duty payment.
  - 2.4 Advances have been given to Research Cell to carry out Intramural research projects of faculty.
  - 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 Malthur & Kapre Associate pvt ltd V/s Union of India.
3. **TAXATION**
  - 3.1 The institute is exempt u/s 10(23C)(iiac) 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, Basni, Jodhpur during the year. Since AIMS 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 (8).
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 Office/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.
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. 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 2019.

For and on behalf of All India Institute of Medical Sciences, Jodhpur



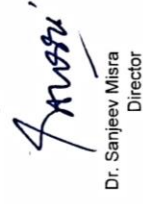
Anant Prakash  
Financial Advisor

**ANANT PRAKASH, IDAS**  
अनन्त प्रकाश, आईडीएस  
**FINANCIAL ADVISOR**  
वित्तीय सलाहकार

**AIMS JODHPUR**  
एम्स जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर

All India Institute of Medical Sciences, Jodhpur



Dr. Sanjeev Misra  
Director

डॉ. संजीव मिश्रा  
Dr. Sanjeev Misra  
निदेशक  
Director



Speed Post



संख्या / No.....

**भारतीय लेखापरीक्षा और लेखा विभाग**कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय), अहमदाबाद  
शाखा कार्यालय राजस्थान, जनपथ, जयपुर-302 005**INDIAN AUDIT AND ACCOUNTS DEPARTMENT**Office of the Principal Director of Audit (Central), Ahmedabad  
Branch office Rajasthan, Janpath, Jaipur-302 005

दिनांक / Date.....

To,  
The Secretary,  
Government of India,  
Ministry of Health and Family Welfare,  
A Wing, Nirman Bhawan,  
Maulana Azad Road, New Delhi - 110 011.

AIIMS, JODHPUR  
Receipt No. 16563  
Date 28/11/2019

**Sub.: Separate Audit Report on the accounts of All India Institute of Medical Sciences-Jodhpur for the year 2018-19.**

Sir,

Please find enclosed the Separate Audit Report on the accounts of All India Institute of Medical Sciences-Jodhpur for the year 2018-19 along with copy of Annual Accounts.

2. The Audited accounts and Separate Audit Report required to be placed before the AGM of the Apex Governing Body of the Institute for consideration and adoption and resolutions passed thereon before these are sent by the Ministry for being placed before Parliament.
3. The dates of presentation of Audited Accounts and Separate Audit Report before the Parliament may please be intimated. Five sets of printed documents (Audit Report, Annual Report & Audited Accounts) may also please be sent to this office.
4. Hindi version of the Separate Audit Report will be issued shortly.
5. Kindly acknowledge receipt of the documents.

Encl.: As above.

Yours sincerely,

Sd/-  
Director/CRA-II

Date: 28/11/19

No. CRA-II (Exp.)/SAR/ AIIMS /2018-19/ 941

Copy to:

✓ Dr. Sanjeev Misra, Director, All India Institute of Medical Sciences, Basni Phase – II, Jodhpur – 342005 with the remarks to ensure that Audited Accounts and Separate Audit Report is adopted/considered in the AGM of Institute's Apex Governing Body and resolution adopted/considered on the Audited Accounts and report thereon may be furnished to this office.

Encl: A copy of Separate Audit Report, Audited Accounts

*M. Misra*  
Director/CRA-II

Mahalekhakar Bhawan, Janpath, Jaipur-302005

Phone/फोन : 0141-2385431-39

E-mail : brpdacahmedabad@cag.gov.in

महालेखाकार भवन, जनपथ, जयपुर-302005

फैक्स/Fax : 0141-2385038, 2227686

**Separate Audit Report of the Comptroller and Auditor General of India on the accounts of the All India Institute of Medical Sciences, Jodhpur, Rajasthan for the year ended 31 March, 2019.**

We have audited the attached Balance Sheet of the All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan as at 31 March, 2019, the Income and Expenditure Account and the Receipt and Payment Account for year ended on that date under Section 19 (2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 18 (2) of AIIMS Act, 1956 and the AIIMS (Amendment) Act, 2012. These financial statements are the responsibility of AIIMS's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc. if any, are reported through Inspection Reports/C&AG's Audit Reports separately.
3. We have conducted our audit in accordance with the auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
  - i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
  - ii. The Balance Sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report have been drawn up in the format approved by Ministry of Finance, Government of India.
  - iii. In our opinion, proper books of accounts and other relevant records have been maintained by the AIIMS, Jodhpur, as required, in so far as it appears from our examination of such books.



iv. We further report that:

### Comments

#### A Balance –Sheet

##### A.1 Liabilities

##### A.1. 1 Schedule-07: Current liabilities and provision ₹ 51.46 crore.

##### A. 1.1.1 Current Liabilities: ₹ 3.58 crore

All Fee & Subscription should be shown under the Schedule 14- Fee/Subscription. Institute has shown application fee amounting to ₹ 1.01 crore for recruitment in Current Liabilities. This fee was not to be refunded to applicants. Therefore, it was to be shown under the Schedule 14 - Fee/Subscription head of Income and Expenditure Account instead of current liabilities.

This resulted in overstatement of Current Liabilities by ₹ 1.01 crore as well as understatement of Surplus by the same amount.

#### B .General

(i) As per AS-15 every Institute has to make provision for retirement benefits on the basis of actuarial valuation. Institute has not made provision for retirement benefits on the basis of actuarial valuation.

##### (ii) Advertisement Expenses: ₹ 1.66 crore

As per uniform format of accounts for autonomous bodies 'prior period' items should be separately disclosed so that the effect thereof on the net expenditure for the year is known. Institute has included prior period (2017-18) expenditure relating to advertisement expenses amounting to ₹ 24.21 lakh under the head Administrative Expenses (Schedule 21) in Income and Expenditure Account. This was in contravention to Uniform format of accounts.

##### (iii) Non-accounting of research project

Institute is doing 24 extramural multi centric collaborative projects amounting to ₹ 6.25 crore (sanctioned amount) since 2015-16. Total amount received for these projects is ₹ 4.81 crore against sanctioned amount and Institute has utilised ₹ 3.64 crore on these projects. Out of 24 projects five projects have been closed. Institute did not account for these projects in books of accounts.

**C. Net Impact**

The Net Impact of the comments given in the preceding paragraphs is that Liabilities is overstated by ₹ 1.01 crore and Surplus understated by ₹ 1.01 crore.

**D. Grant-in- Aid**

During the financial year 2018-19, AIIMS- Jodhpur received Grant- in- Aid of ₹ 348.98 crore under plan head from MoHFW. Balance unspent grant of ₹ 169.53 crore from financial year 2017-18 was also available in the beginning of the year. Out of total sum of ₹ 518.51 crore, the Institute could utilise a sum of ₹ 406.29 crore leaving a balance of ₹ 112.22 crore available with the institute at the end of financial year.

**E. Management Letter**

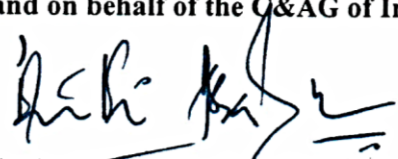
Deficiencies, which have not been included in the Separate Audit Report, have been brought to the notice of the Management through a management letter issued separately for remedial/corrective action.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report are in agreement with the books of accounts.
  - vi. In our opinion and to the best of our information and according to the explanations given to us, the said Financial Statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters, stated above and other matters mentioned in Annexure to this Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
- a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Jodhpur as at 31 March 2019, and
- b. In so far as it relates to Income & Expenditure Account of the Surplus for the year ended on that date.

For and on behalf of the C&AG of India

Place:

Date:

  
Principal Director of Audit (Central)  
Ahmedabad

Annexure

SAR on the Accounts of AIIMS, Jodhpur for the year 2018-19.

**1. Adequacy of Internal Audit System**

Internal Audit of the Institute has been done by the MoHFW for the year 2014-15 only.

**2. Adequacy of Internal Control System**

- i. No Internal check system existed in the Institute.
- ii. Institute does not have its Accounting Manual.
- iii. Uniform format of account was not followed in some cases as mentioned in the report.

**3. Physical Verification of fixed assets**

Physical verification was done for the year 2018-19, but stock in excess/shortage was not shown in the stock register during physical verification.

**4. Physical Verification of Inventories**

Physical verification of inventories was done for the year 2018-19, but excess/shortage of inventories were not shown in the inventory registers during physical verification.

**5. Regularity in payment of statutory dues**

The statutory dues were being deposited by the Institute on regular basis.

**Statement of Net Effect of Audit –AIIMS, Jodhpur for the year -2018-19**

( ₹ in crore)

S. No.	Comment No.	Liabilities		Assets		Surplus	
		Overstated	Understated	Overstated	Understated	Overstated	Understated
1	A.1.1	1.01					1.01
	Total	1.01					1.01
	Net Impact	1.01				1.01	

**Liabilities Overstated = ₹ 1.01 crore**

**Surplus Understated = ₹ 1.01 crore**



**Sr. Audit Officer/CRA-II (Exp.)**



सत्यमेव जयते  
प्रीति अब्राहम आई.ए.ए.एस.  
Preethi Abraham, IAAS

प्रधान निदेशक लेखापरीक्षा ( केन्द्रीय )  
लेखापरीक्षा भवन, नवरंगपुरा, अहमदाबाद - 380 009.  
Principal Director of Audit (Central)  
Audit Bhavan, Navrangpura, Ahmedabad - 380 009.

D.O.No. CRA-II (Exp.)/SAR/AIIMS/2018-19 / 942  
25 November 2019

Dear Shri Sanjeev Misra

The Annual Accounts of the All India Institute of Medical Sciences, Jodhpur, Rajasthan for the year 2018-19 were audited by this office for which a Separate Audit Report has been issued vide letter No. CRA II (Exp.)/SAR/AIIMS/2018-19/942 dated 25.11.19. During the course of audit, a minor deficiency was also noticed which has not been included in the Separate Audit Report. This is being brought to your notice for corrective and remedial action:-

**1. Schedule- 08: Fixed assets ₹ 252.79 crore.**

As per Schedule-24 Significant Accounting Policies of AIIMS depreciation is provided on Written Down Value Method as per rates specified in the Income Tax Act, 1961. As per Income Tax Act rate of depreciation charged on Life-saving equipment is 40 per cent. Institute has charged depreciation on some Life-saving equipment at the rate of 15 per cent instead of 40 per cent. Thus, depreciation charge was less by ₹ 48.89 lakh. This resulted in overstatement of fixed assets by ₹ 48.89 lakh as well as overstatement of surplus/capital fund by the same amount.

With regards  
b

Yours Sincerely,

Dr. Sanjeev Misra,  
Director,  
All India Institute of Medical Sciences,  
Basni Phase - 2,  
Jodhpur - 342 005 (Rajasthan)

Para wise comment on Draft Separate Audit Report of the Controller & Auditor General of India on the accounts of All India Institute of Medical Science, Jodhpur Rajasthan for the year ended 31<sup>st</sup> March 2019.

S. No.	Observation in the Separate Audit Report	Comments on observation
A-1.1 A-1.1.1	<b>Schedule – 07: Current liabilities and provisions ₹ 51.46 crore.</b> <b>Current Liabilities: ₹ 3.58 crore</b>	
	<p>All Fee &amp; Subscription should be shown under the Schedule 14- Fee/Subscription. Institute has shown application fee amounting to ₹ 1.01 crore for recruitment in Current Liabilities. This fee was not to be refunded to applicants. Therefore, it was to be shown under the Schedule 14 - Fee/Subscription head of Income and Expenditure Account instead of current liabilities.</p> <p>This resulted in overstatement of Current Liabilities by ₹ 1.01 crore as well as understatement of Surplus by the same amount.</p>	<p>No further comments. Reply already submitted vide letter no. no.Admn/Audit/CAG//SAR/18-19-AIIMS.JDH dated 26.07.2019, stating that any expenditure incurred by the institute towards the recruitment, for example :Travelling Allowance, Daily Allowance of the members of selection committees, Honorarium, Meeting expenses etc. is first adjusted/met out from the application money received. Recruitment expenditure over and above the application money is met through GIA-General. At present recruitment process of various faculty and non-faculty post is in process and not yet completed. Once the recruitment process is complete, the balance application fee if, any, towards the end of recruitment process of the institute, would be credited to the income and expenditure account. Hence, the application money remaining has not been treated as miscellaneous income.</p>
<b>B.</b>	<b>General</b>	
(i)	As per AS-15 every Institute has to make provision for retirement benefits on the basis of actuarial valuation. Institute has not made provision for retirement benefits on the basis of actuarial valuation.	<p>Comment already provided vide letter no. Admin/Audit/CAG/ SAR/18-19-AIIMS.JDH dated 26.07.2019.</p> <p>As per Institute's policy, liability of retirement benefit will be accounted for on payment basis as and when it arises. It is also mentioned in Schedule 2 - point no.7.2.</p>

(ii)	<p>Advertisement Expenses: ₹ 1.66 crore</p> <p>As per uniform format of accounts for autonomous bodies 'prior period' items should be separately disclosed so that the effect thereof on the net expenditure for the year is known. Institute has included prior period (2017-18) expenditure relating to advertisement expenses amounting to ₹ 24.21 lakh under the head Administrative Expenses (Schedule 21) in Income and Expenditure Account. This was in contravention to Uniform format of accounts</p>	<p>No further comments. Reply already submitted vide letter no. Admin/Audit/CAG/SAR/18-19-AIIMS.JDH dated 31.07.2019 stating that all expenditure is booked in the accounts after being approved from competent authority except monthly bills outstanding at the year end. Accordingly, as the advertisement expenditure of Rs. 24.21 lakh has been approved from competent authority in the year 2018-19 i.e current Financial Year the same has been booked in the year of approval.</p>
(iii)	<p>Non-accounting of research project</p> <p>Institute is doing 24 extramural multi centric collaborative projects amounting to ₹ 6.25 crore (sanctioned amount) since 2015-16. Total amount received for these projects is ₹ 4.81 crore against sanctioned amount and Institute has utilized ₹ 3.64 crore on these projects. Out of 24 projects five projects have been closed. Institute did not account for these projects in books of accounts.</p>	<p>No further comments. Reply already submitted vide letter no. Admin/Audit/CAG/SAR/18-19-AIIMS.JDH dated 26.07.2019.</p> <p>Statement showing the expenditure made by various project investigators duly verified by Dean Research for Research project up till 23.07.2019 has already been provided to Audit. Also, Institute assures that such statement of expenditure of Extramural Research projects shall be annexed with Annual accounts in future.</p>
<b>C. Net Impact</b>		
	<p>The Net Impact of the comments given in the preceding paragraphs is that Liabilities is overstated by ₹ 1.01 crore and Surplus understated by ₹ 1.01 crore.</p>	<p>Factual Position, No comments offered.</p>
<b>D. Grant in aid</b>		
	<p>During the financial year 2018-19, AIIMS-Jodhpur received Grant- in- Aid of ₹ 348.98 crore under plan head from MoHFW. Balance unspent grant of ₹ 169.53 crore from financial year 2017-18 was also available in the beginning of the year. Out of total sum of ₹ 518.51 crore, the Institute could utilize a sum of ₹ 406.29 crore leaving a balance of ₹ 112.22 crore available with the institute at the end of financial year.</p>	<p>Factual Position, No comments offered.</p>

<b>E</b>	<b>Management Letter</b>	
	<p>Deficiencies, which have not been included in the Separate Audit Report, have been brought to the notice of the Management through a management letter issued separately for remedial/corrective action.</p> <p>v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income &amp; Expenditure Account and Receipt &amp; Payment Account dealt with by this report are in agreement with the books of accounts.</p> <p>vi. In our opinion and to the best of our information and according to the explanations given to us, the said Financial Statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters, stated above and other matters mentioned in Annexure to this Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.</p> <p>a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Jodhpur as at 31 March 2019, and</p> <p>b. In so far as it relates to Income &amp; Expenditure Account of the Surplus for the year ended on that date.</p>	<p>It has been noted and shall be taken care of in future. Necessary rectification entries will be passed in next financial year.</p>
<b>Annexure to the SAR on the Accounts of AIIMS, Jodhpur for the year 2018-19</b>		
1.	<p><b>Adequacy of Internal Audit System</b> Internal audit of the Institute has been done by the MoHFW for the year 2014-15 only.</p>	No comments
2.	<p><b>Adequacy of Internal Control System*</b></p> <ul style="list-style-type: none"> <li>i. No Internal check system existed in the Institute.</li> <li>ii. Institute does not have its Accounting Manual</li> <li>iii. Uniform format of account was not followed in some cases as mentioned in the report.</li> </ul>	<p><b>Final Para is in variance to Draft SAR, hence reply of Institute on para of final SAR is as below:</b></p> <p>Institute follows the format of accounts and rules and regulations prescribed for Autonomous Bodies by Government of India. Minor deviation will be taken care of in future.</p>



3.	<p><b>Physical Verification of fixed asset</b> Physical verification was done for the year 2018-19, but stock in excess/shortage was not shown in the stock register during physical verification.</p>	It has been noted and shall be taken care of in future.
4.	<p><b>Physical Verification of Inventories</b> Physical verification was done for the year 2018-19, but stock in excess/shortage of inventories were not shown in the inventory register during physical verification.</p>	It has been noted and shall be taken care of in future.
5.	<p><b>Regularity in Payment of statutory dues</b> The statutory dues were being deposited by the institute on regular basis.</p>	No Comments

**\*Para as per Draft Separate Audit Report and reply of the Institute**

2.	<p><b>Adequacy of Internal Control System*</b> The internal control system was adequate as per the size of the institute, however following deficiencies were observed.</p> <p>i. Institute does not have its own separate accounting manual. Rules and Regulation as prescribed by Government of India are followed.</p>	No Comments
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# **AIIMS in News**



## इनीशिएटिव | तीनों सरकारी अस्पतालों के जिम्मेदारों को कलेक्टर ने दिखाई एम्स की वर्किंग

सफाई, सुरक्षा और सेनिटाइजेशन के साथ पेशेंट मैनेजमेंट सिस्टम को करीब से जाना

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कुछ समय पहले एम्स गए जिला कलेक्टर डॉ. रविकुमार सुरपुर ने जब वहाँ का वर्क कल्चर देखा तो उनके दिमाग में शहर के तीनों बड़े अस्पतालों की व्यवस्थाएँ भी परिलक्षित होने लगीं। वे लौटे और सोचते रहे कि हमारे अस्पतालों में एम्स जैसी सुविधाएँ तो नहीं मिल सकती लेकिन वर्क कल्चर तो वहाँ जैसा ही हो सकता है। इसी विचार को आगे बढ़ाने के लिए वे बुधवार को मेडिकल कॉलेज के प्रिंसिपल, तीनों अस्पतालों के अधीक्षक, मेडन, ओटी इंचार्ज एवं चिकित्सा व स्वास्थ्य विभाग के अफसरों को लेकर एम्स के दौर पर पहुंच गए और एम्स में सफाई, पेशेंट मैनेजमेंट सिस्टम, परिजनों की सुटी, सिस्मोमिटी, टैरिंटिंग, पेशेंट फॉलोअप जैसे काम इनको दिखाए। करीब दो घंटे के इस दौर में एम्स के निदेशक डॉ. संजीव मिश्रा ने पूरी टीम को एक-एक सिस्टम और व्यवस्था को डिटेल से जानकारी दी और तरीका भी बताया। कई बार टीम दौरान भी हुई तो कई व्यवस्थाओं को देखकर टीम दंग रह गईं। जैसे जो वेडशीट रायच के अस्पतालों में खादी से खरीदते हैं, वहीं एम्स भी लेता है। उस पर एम्स की ब्रांडिंग है, वह सिस्टम के साथ मरोज तक पहुंचती है, लेकिन सरकारी अस्पतालों में व्यवस्था उस तरह की नहीं है। सरकारी अस्पतालों में पीने के पानी की मशीनों के नीचे पानी बहता रहता है लेकिन एम्स में ऐसी मशीनों के पास मेड लगती है जिससे पानी बाहर नहीं बहता, गंदे पत्र भी नहीं आता। एम्स में प्रवेश करते ही जिला कलेक्टर ने ओपीडी में पेशेंट की प्रक्रिया के बारे में पूछा। एम्स के डायरेक्टर डा. संजीव मिश्रा ने एम्स में पेशेंट के आने से लेकर

# एम्स का वर्क कल्चर पेशेंट फ्रेंडली ऐसा हमारे यहां क्यों नहीं हो सकता



वर्क कल्चर बेहतर के लिए बनाएंगे प्लान

छोटी-छोटी चीजें, जैसे वर्क कल्चर को बदल देती है, वही दिखाने की कोशिश थी। एम्स में जो भी देखा, देना वहीं तो उस जैसा क्या कर सकते हैं, इसको लेकर आरएमआरएस की बैठक में रखकर एक्शन प्लान बनाएंगे। सुधार की दिशा में कुछ कदम बढ़ाने के लिए एक थार बेहतर सिस्टम का देरना जरूरी था।

डॉ. रविकुमार सुरपुर जिला कलेक्टर, जोधपुर

### अधीक्षकों ने एम्स की कई व्यवस्थाएँ सही, कहां-फॉलो भी करेंगे

- डॉ. एसएस राठौड़  
प्रिंसिपल, डॉ. एरुण मेडिकल कॉलेज

एम्स की व्यवस्था बहुत प्रगामी करने वाली है। वहाँ की सफाई और सुरक्षा व्यवस्था को मेडिकल कॉलेज के अस्पतालों में लागू करने के लिए प्रयास करेंगे। कलेक्टर की ओर से यह अच्छी पहल है कि वह शीर्ष चिकित्सा संस्करण जैसा स्टेट के हॉस्पिटलों को बनाने के लक्ष्य पर हमारे अस्पतालों में आगे बढ़ेंगे।

- डॉ. रंजना देसाई  
अधीक्षक, उम्मेद अस्पताल

एम्स और हमारे अस्पताल व कॉलेज में जमीन-आसमान का फर्क है। वहाँ लोड कम है और रिसेल्व ज्यादा है। हमारे अस्पतालों में वैसी व्यवस्था के लिए पॉलिसी में रोज करने की आवश्यकता है, चाकि हम भी अपने मरीजों को एम्स जैसा फील दे सकें। वहाँ की तो व्यवस्थाएं देखीं, उदाहरण के

- डॉ. एमके आसेरी  
अधीक्षक, एमआरएम

एम्स की डिजिट में वहाँ की सुरक्षा व्यवस्था, चाई की व्यवस्थाएँ और चाई में परिजनों की फुटी पर ध्यान भी बहुत ही सराहनीय है जो कि हमारे यहां नहीं है। जल्दी ही सुरक्षा और सफाई की व्यवस्था के होने वाले टैडने की शर्तों में परिवर्तन कर इस ओर प्रयास किया जाएगा।

## जन्म से जुड़े लव-कुश को अलग करने के केस की एम्स पेरिस में देगा प्रजेंटेशन

जोधपुर जन्म से आपस में जुड़े लव-कुश को जोधपुर एम्स ने करीब 3 वर्ष पूर्व मेजर सर्जरी कर अलग किया गया था। यह एम्स के लिए एक माइलस्टोन केस था। अब इसी केस का प्रजेंटेशन एम्स शिरु सर्जरी विभागाध्यक्ष डॉ. अरविंद सिन्हा पेरिस में देंगे। 20 से 23 जून तक चलने वाली 19वीं इंयूरोएसए कांग्रेस की कांफ्रेंस में प्रजेंटेशन दिया जाएगा। कांफ्रेंस में पीडियाट्रिक सर्जरी, पीडियाट्रिक यूरोलॉजिस्ट और पीडियाट्रिक प्लास्टिक सर्जरी से संबंधित 50 देशों के एक हजार से अधिक डॉक्टर भाग लेंगे। इस दौरान लेप्रोस्कोपी, हेपेटोबिलिरी, यूरोलॉजी, थोरोस्कोपी एंड एडवॉंस रिसर्च पर सत्र आयोजित किए जाएंगे। एम्स के अधीक्षक और शिरु सर्जरी विभागाध्यक्ष डॉ. अरविंद सिन्हा ने बताया कि पेरिस में इस बात पर भी जोर दिया जाएगा कि इस तरह के ऑपरेशन में टीमवर्क सबसे महत्वपूर्ण है। ऑपरेशन से पहले उन सभी समस्याओं को एक लिस्ट बनानी चाहिए जिसकी हम कल्पना करते हैं। साथ ही उन आवश्यक उपकरणों, दवाओं और सामान को लिस्ट भी हमारे पास होनी चाहिए जो समस्या में हमारे काम आएगी।

# डॉक्टरों को लेकर एम्स पहुंचे कलेक्टर

दो घंटे निरीक्षण में निदेशक से ली कार्यप्रणाली की जानकारीयां

जोधपुर @ पत्रिका . डॉ. एसएन मेडिकल कॉलेज के तीनों अस्पतालों (मथुरादास माथुर, उम्मेद व महात्मा गांधी) के चिकित्सा अधिकारियों को लेकर बुधवार को कलेक्टर डॉ. रवि कुमार सुरपुर एम्स पहुंचे। वहाँ एम्स निदेशक डॉ. संजीव मिश्रा ने अस्पताल के इन्फ्रास्ट्रक्चर, पूरी सुविधाओं की शैली, मेडिकल प्रोसेस की संपूर्ण वाइडस् की जानकारीयां, आउटडोर, इनडोर, आईसीयू, एनआईसीयू, पीआईसीयू की बारीकियां बताई। इसके अलावा भी ऑनलाइन



एम्स का अवलोकन करते जिला कलेक्टर सुरपुर व चिकित्सा अधिकारी।

रिपोर्ट्स व रिकॉर्ड संधारण की आधुनिकतम तरीकों को भी करीब से देखा। साथ ही मरीजों के प्रतीक्षा कक्ष, पैथोलोजी लैब, रेजिडेंट रूम व विविध कक्षों के अलावा नर्सिंग फाउंडेशन लैब, लेक्चर थियेटर तथा सिम्यूलैटरी गार्ड्स की पूरी

व्यवस्थाओं का भी अवलोकन किया। इसके बाद काफी देर तक बैठक भी हुई। कलेक्टर व मेडिकल कॉलेज के चिकित्साधिकारियों ने एम्स में दो घंटे समय बिताया। इस दौरान एडीएम महिपाल भारद्वाज, प्राचार्य व निबंधक डॉ. एसएस

राठौड़, एम्स उप निदेशक एनआर विश्वासे, एम्स अधीक्षक डॉ. अरविंद सिन्हा, अधीक्षक डॉ. रंजना देसाई, केएन चैस्ट के प्रभारी डॉ. गोपाल पुरोहित, गांधी अस्पताल के उपाधीक्षक डॉ. अरुण पुरोहित सहित विभागाध्यक्ष भी मौजूद रहे।

## राजस्थान में पहली बार हुआ ऑपरेशन | सर्जरी के दौरान मरीज डॉक्टरों से करता रहा बात एम्स: मरीज को बिना बेहोश किए डॉक्टरों ने 6 घंटे की सर्जरी कर निकाला सिर से ट्यूमर

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जोधपुर के एम्स में बुधवार को एक मरीज के सिर से ट्यूमर निकालने का जटिल ऑपरेशन हो रहा था। हालांकि ऑपरेशन से पहले मरीज को एनेस्थीसिया दिया जाता है लेकिन इस ऑपरेशन में मरीज को बेहोश नहीं किया गया। करीब छह घंटे चली सर्जरी के दौरान मरीज डॉक्टरों से बातें करता रहा। डॉक्टरों के कहने पर बीच-बीच में हाथ व पैर हिला कर डॉक्टरों को रिस्पॉस भी देता रहा। एम्स के डॉक्टरों का दावा है कि राजस्थान में इस तरह का यह पहला ऑपरेशन हुआ है। इस तरह के ऑपरेशन कुछ चुनिंदा जगहों पर ही किए जा रहे हैं। करीब छह घंटे मरीज को सर्जरी चली। न्यूरोसर्जन डॉ. दीपक झा ने बताया कि मरीज सिर में ग्लायोमा (ट्यूमर) से पीड़ित था। सर्जरी बहुत जटिल थी क्योंकि जहां ट्यूमर था, वहां दिमाग की बहुत-सी नसों का झुंड था। यदि

मरीज के दिमाग की किसी नस को थोड़ा भी नुकसान होता तो उसे लकवा हो सकता था। इसलिए सर्जरी के दौरान मरीज को बेहोश करने की बजाय केवल दिमाग की कुछ नसों को ही सजुन किया गया। मरीज को दर्द न हो इसलिए दर्द न होने के कुछ इंजेक्शन लगाए गए। इसका फायदा यह था कि सर्जरी के दौरान मरीज को दर्द नहीं हुआ और वह आराम से डॉक्टरों से बातें करता रहा। इस प्रक्रिया में लकवा होने की संभावना बहुत कम रहती है। करीब छह घंटे तक सर्जरी चली। सर्जरी के बाद मरीज के सिर से जब पूछा तो उन्होंने बताया कि ऑपरेशन के दौरान लगातार डॉक्टर से बात कर रहा था और कभी यह नहीं लगा कि मेरा ऑपरेशन चल रहा है। ऑपरेशन के दौरान डॉ. भास्कर व डॉ. मयंक गर्ग के साथ एनेस्थीसिया के प्रोफेसर डॉ. प्रदीप भाटिया, डॉ. नरेन्द्र कलौरिया, डॉ. मृत्युंजय और डॉक्टर मुसबिब ने भी अहम भूमिका निभाई।



सर्जरी के दौरान मरीज डॉक्टरों के कहने पर हाथ-पैर भी हिलाकर रिस्पॉस करता रहा।

### यह होती है अवेक केनीयोटॉमी प्रक्रिया

डॉ. झा के अनुसार इस तरह की सर्जरी को मेडिकल लेवेल में अवेक केनीयोटॉमी कहा जाता है। यह ऐसी प्रक्रिया है जिसमें सर्जरी के दौरान मरीज को बर्द नहीं होता है और निर्देश देने पर वह बातें कर सकता है व हाथ-पैर हिला सकता है। अवेक केनीयोटॉमी में बेहोशी की दवा नहीं दी जाती है, बल्कि सिर को कुछ नसों को दबा से सुन्न कर पेन किलर के इंजेक्शन लगाए जाते हैं।

## पार्लियामेंट्री स्टैंडिंग कमेटी आज एम्स व्यवस्थाओं का लेंगी जायजा चीफ सेक्रेटरी की मौजूदगी में केंद्र व राज्य की योजनाओं का होगा रिव्यू

हेल्थ रिपोर्टर | जोधपुर

धरातल पर मेडिकल व्यवस्थाओं का जायजा लेने के लिए पार्लियामेंट्री स्टैंडिंग कमेटी शनिवार को जोधपुर पहुंची। कमेटी में लोकसभा के 31 व राज्यसभा के 10 सांसद हैं। शनिवार को 9 सांसद जोधपुर पहुंचे। कमेटी के साथ केंद्र व राज्य सरकार के चिकित्सा विभाग के अधिकारी भी तीन दिन जोधपुर में ही रहेंगे। कमेटी जोधपुर के बाद ऋषिकेश और भोपाल भी जाएगी। रविवार से निरीक्षण व समीक्षात्मक बैठकों का दौर शुरू होगा। कमेटी सबसे पहले एम्स की व्यवस्थाएं देखेगी और शाम को चिकित्सा एवं स्वास्थ्य विभाग के अधीन आने वाली सीएचसी और अन्य ग्रामीण क्षेत्रों की सीएचसी व पीएचसी का जायजा लेगी। सीएचसी-पीएचसी की कमियों को पूरा करने के लिए मेडिकल एंड हेल्थ के आला अधिकारी कमेटी के आने से पहले ही जोधपुर पहुंच गए हैं। सोमवार को चीफ सेक्रेटरी की पार्लियामेंट्री स्टैंडिंग कमेटी के सदस्यों के साथ बैठक होगी जिसमें चिकित्सा एवं स्वास्थ्य व शिक्षा से जुड़े सभी आला अधिकारी मौजूद रहेंगे। कमेटी राज्य सरकार की योजनाओं जैसे जननी सुरक्षा योजना, भामाशाह स्वास्थ्य बीमा योजना, आरबीएसके, राजश्री



कमेटी ने देखा सेना का अस्पताल : संसदीय स्थायी समिति के सदस्यों ने अपने दौरे के दौरान शनिवार को सेना अस्पताल का भी अवलोकन कर चिकित्सा सुविधाओं की जानकारी ली।

योजना के अलावा केंद्र सरकार के द्वारा राज्य में संचालित योजनाओं की समीक्षा करेगी। समिति के अध्यक्ष प्रो. रामगोपाल यादव हैं और इस समिति में राज्यसभा से मानस रंजन भुनिया, डा. आर. लक्ष्मण, डा. विकास महात्मे, जयराम रमेश, अशोक सिद्धार्थ, के. सोम प्रसाद, डा. सीपी ठाकुर, रोनाल्ड सापालाउ और संपतियो उईके शामिल हैं। लोकसभा सांसदों में थांगसे बाइटे, नंदकुमार सिंह चौहान, होना विजयकुमार गावित, डॉ. संजय जायसवाल, डा. के. कामराज पांडे, चिराग पासवान, सीआर पाटिल, एमके राघवन, डॉ. मनोज राजोरिया, श्रीकांत एकनाथ शिंदे, ज्ञानसिंह, भरतसिंह, कवरसिंह तंवर, रीटा त्रिके मनोहर उज्जवल हैं।

### समिति से संविदा आयुष चिकित्सक आज मिलेंगे

राष्ट्रीय स्वास्थ्य मिशन में कार्यरत संविदा आयुष चिकित्सक अपनी मांगों को लेकर रविवार को संसद की स्थायी समिति स्वास्थ्य एवं परिवार कल्याण मंत्रालय भारत सरकार से मिलेंगे। राष्ट्रीय आयुष चिकित्सक एसोसिएशन के डॉ. राजेश मीना ने बताया कि केंद्र सरकार द्वारा विभिन्न राष्ट्रीय कार्यक्रम चिकित्सा विभाग के अंतर्गत चलाए जा रहे हैं तथा राज्य सरकार के अधीन आयुष चिकित्सक इन कार्यक्रमों के लक्ष्यों को पूर्ण करने में महत्वपूर्ण योगदान दे रहे हैं। डॉ. मीना ने बताया कि संविदा आयुष चिकित्सक संघ, राजस्थान अपनी वेतन विसंगति की मांग को लेकर संसदीय समिति के चेयरमैन डॉ. रामगोपाल यादव को ज्ञापन दिया जाएगा।

## एम्स और आईआईटी मिलकर करेंगे मेडिकल डिवाइस का डेवलपमेंट, पीएचडी और रिसर्च

हेल्थ रिपोर्टर | जोधपुर | अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) और इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी (आईआईटी) के बीच शिक्षा के आदान-प्रदान, रिसर्च, जॉइंट पीएचडी कोर्स और एम्स और आईआईटी के डायरेक्टर ने एमओयू पर हस्ताक्षर किए। एमओयू के तहत दोनों संस्थान आपस में मिलकर काम करने के साथ ही आपस में अपनी फैकल्टी एक्सचेंज कर सकेंगे। एम्स के एकेडमिक डीन डॉ. कुलदीपसिंह ने बताया, कि इस एमओयू से सामाजिक स्वास्थ्य सेवाओं व तकनीक को अधिक बल मिलेगा। ऐसे बहुत कम शहर हैं, जहां एक ही जगह एम्स और आईआईटी जैसे बड़े संस्थान हैं। जोधपुर में यह दोनों संस्थान होना गर्व की बात है। उन्होंने बताया, कि एम्स, आईआईटी और डिफेंस लैब के साथ मिलकर पिछले कुछ वर्षों से वर्कशॉप कर रहा है।

### शोध, पेपर पब्लिकेशन सहित कई काम होंगे

एमओयू के अंतर्गत दोनों संस्थान एक दूसरे के पूरक होंगे तथा मिलकर शोध, स्वास्थ्य संबंधी मेडिकल डिवाइस, सेमिनार, सम्मेलन, शिक्षा के लिए फैकल्टी व स्टूडेंट्स का आदान-प्रदान करेंगे। साथ ही प्रयोगशालाओं का आपस में उपयोग और पेपर पब्लिकेशन भी कर सकेंगे। दोनों संस्थान मिलकर वर्कशॉप और हेल्स डीन भी करेंगे। इस मौके पर डिप्टी डायरेक्टर एनआर विश्वजी, वाइस डीन डॉ. शिल्पी दीक्षित, डॉ. अभिनव दीक्षित और डॉ. पंकज भारद्वाज और आईआईटी की ओर से सलाहकार एमएल बाफना, डॉ. मधु दीक्षित, डॉ. अमिन तिवारी, डॉ. आरके शर्मा भी मौजूद थे।

# स्टडी के मामले में जोधपुर एम्स बना मॉडल ऑफ मेडिकल एजुकेशन यहाँ पहले साल से ही स्टूडेंट्स को मशीनों-उपकरणों का प्रैक्टिकल करवाया जाता है



भोपाल, भुवनेश्वर, पटना, रायपुर और त्रिभुवन जैसी जोधपुर एम्स के मुकामों में नहीं टिकते, यहाँ तक कि दिल्ली एम्स से भी हटकर हमारा एम्स

देश में भोपाल, भुवनेश्वर, पटना, रायपुर और त्रिभुवन के साथ जोधपुर एम्स शुरू हुए थे। स्थानों के बाद आज जब यहाँ स्टडी के लिहाज से तुलना करें तो हमारा एम्स काफी बेहतर है। यहाँ तक की दिल्ली एम्स में भी हमारा एम्स जैसी स्टडी नहीं हो रही है। इसीलिए हमारा एम्स मॉडल ऑफ मेडिकल एजुकेशन के रूप में सामने आया है। यहाँ एम्बीबीएस कर रहे स्टूडेंट्स को रट्टीन क्लास रूम के अतिरिक्त कई अन्य नवीन तरीकों से पढ़ाई कराई जा रही है। यहाँ हम चाँच एसी तकनीक की चर्चा कर रहे हैं, जो जोधपुर एम्स की देश के अन्य एम्स से बेहतर बनाती है। इस पढ़ाई से स्टडी करवाने से स्टूडेंट्स सफेस हो रहे हैं। फाइनाल ईयर और इंटर्न कर रहे स्टूडेंट्स के लिए बुधवार और शुक्रवार को इस तरह की क्लास को आयोजन किया जाता है।

## 1. इंटीग्रेटेड क्लास रूम (एकीकृत शिक्षा)



यह रट्टीन क्लास से अलग है। इसमें किसी विषय विशेष पर स्टूडेंट्स को बतलाया जाता है। यहाँ तक कि विषय से संबंधी उपकरणों का प्रदर्शन, इत्यादि भी किए जाकर प्रत्यक्ष प्रदर्शन है। अतिरिक्त के बारे में बताया जाता है। यहाँ एक ही टीचर नहीं होता, विषय से जुड़े दो से तीन टीचर स्टूडेंट्स के लिए मौजूद होते हैं। इसके पीछे उद्देश्य यह है कि एम्बीबीएस कर रहे स्टूडेंट्स को प्रथम, द्वितीय वर्ष से ही इन्वॉल्व में काम आने वाले उपकरणों का ज्ञान हो जाए, क्योंकि आमतौर पर एम्बीबीएस कर रहे स्टूडेंट्स तैरिचिप्टन में काम आ रही बड़ी मशीनों के संपर्क में आता है। पहले क्लास का परफॉर्मेंस डॉक्टर से हुन होता था, लेकिन बाद में बेहतर रिजल्ट और फीडबैक के चलते द्वितीय व प्रथम वर्ष के उन स्टूडेंट्स को भी इसमें शामिल किया जाता है, जो कि पहले पांच माह एम्बीबीएस के पूरे कर चुके हैं।

## 2. फ्लिप क्लास रूम



यहाँ एम्बीबीएस कर रहे स्टूडेंट्स के लिए विषय क्लास रूम मॉडल भी है। इसमें विषयकलास डॉ. वीरेश, वेंकटराज और एक दिन पहले स्टूडेंट्स को सिखाते हैं। इसके पढ़कर, सुनकर, देखकर रोजगार के सब क्लास रूम में आता है, जहाँ क्लास रूम में टीचर उन क्लास के आधार पर कई लेख डिस्कशन कर नामगारों का नामगार करते हैं। यह तरीका पहले से उभरा है। पहले क्लास में टीचर लेक्चर देना था और पर पर उनका डिस्कशन किया जाता था, लेकिन इनके पर लेक्चर और क्लास में समस्या के हलकाल पर चर्चा होती है। इसीलिए इनको फ्लिप क्लासम रूम मॉडल रूम कहा जाता है। एम्स के डीन एकेडमिक डॉ. कुलदीप सिंह ने बताया, कि इनका फायदा यह है कि यदि एक बार में सफाई नहीं आए तो स्टूडेंट वीरेश और वेंकटराज को कई बार देना संभव है। उसके बारे में सलाह देकर कर सकता है और क्लास के समापन किया जो महारत से क्लास करता है।

## 3. किल्कर और ऑडियंस रिसांस



इस तकनीक में कौन कौनसा कमेण्ट्री की तरह सभी स्टूडेंट्स को एक इन्टरैक्टिव डिवाइस दिया जाता है, जिससे वह बिना किसी हिचक के अपने ज्ञान या सुझाव दे सकते हैं। यह तकनीक उन स्टूडेंट्स की स्टडी के लिए फायदेमंद है जो कि फुलटाइम रहते हैं, क्योंकि वे ज क्लास रूम इन इतिर करते हैं, अपना उत्तरना भी सुन कर पाते हैं। एम्बीबीएस का उपयोजन क्लास रूम, कॉन्फ्रेंस, मीटिंग और किसी भी तरह के सेशन के लिए उपयुक्त का मत और लेख के लिए भी काम में लिया जाता है।

यहाँ एम्बीबीएस कर रहे स्टूडेंट्स के लिए विषय क्लास रूम मॉडल भी है। इसमें विषयकलास डॉ. वीरेश, वेंकटराज और एक दिन पहले स्टूडेंट्स को सिखाते हैं। इसके पढ़कर, सुनकर, देखकर रोजगार के सब क्लास रूम में आता है, जहाँ क्लास रूम में टीचर उन क्लास के आधार पर कई लेख डिस्कशन कर नामगारों का नामगार करते हैं। यह तरीका पहले से उभरा है। पहले क्लास में टीचर लेक्चर देना था और पर पर उनका डिस्कशन किया जाता था, लेकिन इनके पर लेक्चर और क्लास में समस्या के हलकाल पर चर्चा होती है। इसीलिए इनको फ्लिप क्लासम रूम मॉडल रूम कहा जाता है। एम्स के डीन एकेडमिक डॉ. कुलदीप सिंह ने बताया, कि इनका फायदा यह है कि यदि एक बार में सफाई नहीं आए तो स्टूडेंट वीरेश और वेंकटराज को कई बार देना संभव है। उसके बारे में सलाह देकर कर सकता है और क्लास के समापन किया जो महारत से क्लास करता है।

## 5. नॉन कन्वेंशनल लर्निंग एक्सपीरियंस (यूएनसीएलई)



यहाँ एम्बीबीएस कर रहे स्टूडेंट्स के लिए विषय क्लास रूम मॉडल भी है। इसमें विषयकलास डॉ. वीरेश, वेंकटराज और एक दिन पहले स्टूडेंट्स को सिखाते हैं। इसके पढ़कर, सुनकर, देखकर रोजगार के सब क्लास रूम में आता है, जहाँ क्लास रूम में टीचर उन क्लास के आधार पर कई लेख डिस्कशन कर नामगारों का नामगार करते हैं। यह तरीका पहले से उभरा है। पहले क्लास में टीचर लेक्चर देना था और पर पर उनका डिस्कशन किया जाता था, लेकिन इनके पर लेक्चर और क्लास में समस्या के हलकाल पर चर्चा होती है। इसीलिए इनको फ्लिप क्लासम रूम मॉडल रूम कहा जाता है। एम्स के डीन एकेडमिक डॉ. कुलदीप सिंह ने बताया, कि इनका फायदा यह है कि यदि एक बार में सफाई नहीं आए तो स्टूडेंट वीरेश और वेंकटराज को कई बार देना संभव है। उसके बारे में सलाह देकर कर सकता है और क्लास के समापन किया जो महारत से क्लास करता है।

## 4. प्रॉब्लम बेस्ड लर्निंग मरीजों के इलाज का कौशल विकसित करना

प्रॉब्लम बेस्ड लर्निंग (पीबीएल) को अग्रदृष्टिकोण लर्निंग एक्सपीरियंस (यूएनसीएलई) के अंतर्गत रखा गया है। विकसित क्षेत्र में अनेक विषय यह करते पाते हैं, वहाँ तक अनेक विषयों में वैश्वीकरण का अनुभवकाला होती है जो हमें जीवन पूर्ण मशीनों के इन्वॉल्व में सहायक होते हैं। प्रॉब्लम बेस्ड लर्निंग कौशल विकसित करने के लिए है। सबसे बड़ा फायदा यह है कि यहाँ टीचर ने सलाह करवा है, जिससे अपनी सहायक ज्ञान और कौशल में प्रविष्टि होती है। प्रथम वर्ष में एम्बीबीएस के अंतर्गत आने वाले स्टूडेंट्स को रोक करवा है। यहाँ तक जो खड़े करने की भी इसी तकनीक से फायदा सहायक जा रहा है।

यहाँ एम्बीबीएस कर रहे स्टूडेंट्स के लिए विषय क्लास रूम मॉडल भी है। इसमें विषयकलास डॉ. वीरेश, वेंकटराज और एक दिन पहले स्टूडेंट्स को सिखाते हैं। इसके पढ़कर, सुनकर, देखकर रोजगार के सब क्लास रूम में आता है, जहाँ क्लास रूम में टीचर उन क्लास के आधार पर कई लेख डिस्कशन कर नामगारों का नामगार करते हैं। यह तरीका पहले से उभरा है। पहले क्लास में टीचर लेक्चर देना था और पर पर उनका डिस्कशन किया जाता था, लेकिन इनके पर लेक्चर और क्लास में समस्या के हलकाल पर चर्चा होती है। इसीलिए इनको फ्लिप क्लासम रूम मॉडल रूम कहा जाता है। एम्स के डीन एकेडमिक डॉ. कुलदीप सिंह ने बताया, कि इनका फायदा यह है कि यदि एक बार में सफाई नहीं आए तो स्टूडेंट वीरेश और वेंकटराज को कई बार देना संभव है। उसके बारे में सलाह देकर कर सकता है और क्लास के समापन किया जो महारत से क्लास करता है।

# मेडिकल स्टूडेंट्स में बढ़ी हमारी साख, काउंसलिंग में दूसरे नंबर पर रहा जोधपुर एम्स

ऑल इंडिया 1 से 49वाँ रैंक पाने वालों ने लिया दिल्ली एम्स में एडमिशन, 50वाँ रैंक होल्डर ने मांगा जोधपुर

हेल्थ रिपोर्टर | जोधपुर  
लगातार दूसरे वर्ष भी जोधपुर एम्स मेडिकल स्टूडेंट्स पसंद में रहा। इस साल भी पहले राउंड के साइट आवंटन के बाद दिल्ली एम्स के बाद जोधपुर एम्स को चुनने में स्टूडेंट्स ने दिलचस्पी दिखाई है। जनरल कैटेगरी में दिल्ली एम्स को ओपनिंग रैंक एक रही और क्लॉजिंग रैंक 49 रही वहीं इसी कैटेगरी में जोधपुर की ओपनिंग रैंक 50 रही और क्लॉजिंग रैंक 258 रही। जोधपुर



की दो जनरल सीटों पर ओबीसी के स्टूडेंट्स भी सलेक्ट हुए हैं। ओबीसी की कुल 27 सीटों

में पहली सीट 302 रैंक पाने वाले स्टूडेंट को और अंतिम सीट 758 रैंक वाले को मिली। एससी को कुल 13 सीटों में पहली सीट 832 रैंक पाने वाले को और अंतिम सीट 3037 रैंक होल्डर पर बंद हुई। एसटी वर्ग में कुल 10 सीटों की शुरुआत 3314 रैंक होल्डर से हुई अंतिम 7714 रैंक तक पहुंची। एम्स भुवनेश्वर को रैंक 51, एम्स भोपाल को रैंक 79, एम्स मंगलगिरी को रैंक 352 व एम्स नानपुर को रैंक 503 वाले स्टूडेंट ने पसंद किया है।

## पिछले साल भी जोधपुर था दूसरे नंबर पर

एम्स जोधपुर के डीन कुलदीप सिंह ने बताया कि दिल्ली एम्स के बाद हमारा जोधपुर एम्स काकावर स्टूडेंट्स को पसंद आ रहा है। 2017 में भी एम्स जोधपुर दिल्ली एम्स के बाद भी पसंद किया गया था। उन्होंने बताया कि एम्स में एम्बीबीएस की प्रवेश के लिए पहली काउंसलिंग दो तारीख को हुई जिसका रिजल्ट 3 जुलाई को जारी हुआ। अब 6 जुलाई को शाम 5 बजे तक प्रथम लिस्ट में आने वाले स्टूडेंट्स को जवाब देना है। इसमें जो नहीं आ पाएंगे, उनको दूसरी काउंसलिंग में भाग लेने का मौका मिलेगा।

# पिता संग जोधपुर एम्स आया आशाराम, देवास से साथ आए एमई ने पूरी करवाई एम्बीबीएस प्रवेश प्रक्रिया

## कॉलेज में अपनी क्लास व हॉस्टल देखा, मददगारों को धन्यवाद दिया

हेल्थ रिपोर्टर | जोधपुर  
मध्यप्रदेश के देवास जिले के विजय मंडी की झोपड़ी से निकल कर आशाराम चौधरी ने सोमवार को जोधपुर एम्स में एम्बीबीएस के लिए प्रवेश लिया। आशाराम के साथ उसके पिता रंजीत सिंह और देवास कलेक्टर के आदेश पर माइनिंग इंस्पेक्टर रमेश सोलंकी उसकी प्रवेश प्रक्रिया पूरी कराने आए। आशाराम ने प्रवेश प्रक्रिया पूरी कर अपने पिता के साथ कॉलेज में अपनी क्लास, हॉस्टल आदि देखा। आशाराम के पिता रंजीत सिंह ने बताया कि मजदूरी करके, पानी बोतलें बिनकर बेटे को पढ़ाया। बेटा क्या करेगा, इसका जवाब

पता नहीं, लेकिन इतनी बड़ी बिलडिंग में पढ़ेगा यह देखकर ही खुश हूँ। आशाराम ने बताया कि प्रवेश में सबसे बड़ी दिक्कत फीस की थी, लेकिन मुंबई की निकाले संस्थान ने मीस की फीस का डीडी देकर उसे हल कर दिया। आशाराम ने अपने बायोलाजी के टीचर, देवास कलेक्टर और निकाले संस्थान के साथ उन सभी लोगों का धन्यवाद किया, जिन्होंने उसे एम्स तक पहुंचाने में मदद की। माइनिंग इंस्पेक्टर सोलंकी ने कहा कि कलेक्टर ऑफिस से आदेश मिला कि आशाराम की प्रवेश प्रक्रिया पूरी कराने जाना है, इसलिए उसके साथ यहाँ आया हूँ। आशाराम जैसे बच्चे ही आगे देश का नाम रोशन करेंगे।



एम्स डायरेक्टर डॉ. संजीव मिश्रा भी आशाराम से मिले और उसे एम्स में प्रवेश के लिए बधाई दी। आशाराम की आर्थिक स्थिति को देखते हुए डॉ. मिश्रा ने प्रथम वर्ष में काम आने वाली किताबें, एप्रिन, लैब कोट आदि एम्स की ओर से मुहिया कराने की घोषणा की। बाबू में डॉ. मिश्रा ने डिप्टी डायरेक्टर एचआर विजयेंद्र, डीन स्टूडेंट वेलफेयर डॉ. सुरजीत घटक, वाइस डीन एकेडमी डॉ. शिल्पी वीक्षित, हॉस्टल इंचार्ज डॉ. पुनीत सेठिया, अतिरिक्त प्रोवोन्स्ट डॉ. आशीष कुमार नैय्यर को बुलाकर आशाराम से मिलाया। वाइस डीन एकेडमिक डॉ. शिल्पी ने बताया कि पहले दिन 100 स्टूडेंट्स में से 86 स्टूडेंट्स ने अपनी प्रवेश प्रक्रिया पूरी की।

**उपलब्धि:** राजस्थान में किसी भी सरकारी संस्थानिक क्षेत्र में सबसे बड़ा पॉवर प्लांट एम्स में, इसी माह शुरू

# सोलर पॉवर से डेढ़ करोड़ का बिल बचाएगा जोधपुर एम्स



**एक्सक्लूसिव**

**केआर मुडियार**  
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**जोधपुर.** अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) ने विद्युत खर्च को कम करने के लिए 1352 किलोवाट का सोलर प्लांट लगाया है। संभवतः यह किसी संस्थानिक क्षेत्र में प्रदेश का सबसे बड़ा पॉवर प्लांट है। इस पॉवर प्लांट के शुरू होने के बाद एम्स को सालाना बिजली के बिल में डेढ़ से दो करोड़ की बचत होगी। एम्स ने

## सोलर पैनलों के नीचे खड़े रहेंगे वाहन

एम्स में ओपन पार्किंग की जगह पर भी सोलर पैनल लगाए जा रहे हैं। इन पैनलों के नीचे कारें व दुपहिया वाहन खड़े किए जाएंगे। ऐसे में इन सोलर पैनलों से न केवल वाहन धूप व बरसात से बचेंगे, बल्कि उस जगह से सौर ऊर्जा का उत्पादन भी हो सकेगा।



पैनल लगाने के लिए अनुबंध किया था। जिसके तहत मार्च माह में काम शुरू किया गया था। वर्तमान में एम्स के अस्पताल, मेडिकल

कॉलेज सहित प्रशासनिक भवन की बिल्डिंग की छतों पर सोलर पैनल लगाने का कार्य अन्तिम चरण में है। कुछ ही दिनों में इस

प्लांट को चालू कर दिया जाएगा।  
**एम्स को प्रति यूनिट 4 रुपए सस्ती मिलेगी बिजली :** इससे एम्स का बिजली बिल

बचाएगा। पंकज सक्सेना ने बताया कि अनुबंधित कम्पनी की ओर से रेक्सो मॉडल यानि फ्री ऑफ चार्ज ऑनग्रीड सोलर सिस्टम लगाए गए हैं। जिसमें एम्स का कोई खर्चा नहीं हुआ है। एम्स ने कम्पनी से अनुबंध किया है, जिसके तहत कम्पनी एम्स में लगाए सोलर पैनल से उत्पादित बिजली डिस्कॉम को बेचेगी और डिस्कॉम से बिजली लेकर एम्स को आपूर्ति करेगी। वर्तमान में एम्स को डिस्कॉम से बिजली प्रति यूनिट 7 रुपए दर पर मिल रही है। कम्पनी के अनुबंध के अनुसार एम्स को यही बिजली प्रति यूनिट 2.94 रुपए दर पर मिलेगी। यानि एम्स को मिलने वाली बिजली 4 रुपए प्रति यूनिट कम पर मिलेगी। इससे एम्स का बिजली बिल बचेगा।

## एम्स में पेन व पेलिएटिव केयर ओपीडी शुरू

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**जोधपुर.** अखिल भारतीय आयुर्विज्ञान संस्थान में गुरुवार से पेन एवं पेलिएटिव केयर ओपीडी शुरू कर दी गई। इस ओपीडी में कैंसर एवं लम्बे समय से दर्द से ग्रसित रोगियों का इलाज किया जाएगा। यह ओपीडी एक तरह से क्लिनिक के रूप में निश्चिन्ता एवं गहन रोग विभाग के अन्तर्गत डॉ. प्रदीप भाटिया की देखरेख में काम करेगी। क्लिनिक का



संचालन सप्ताह में दो दिन सोमवार व गुरुवार को कक्षा नम्बर 413 में अपराह्न 2 बजे से 4 बजे तक रहेगा।

इसमें कैंसर दर्द के अलावा कमर दर्द, साइटिका, घुटने, कंधे, चेहरे का दर्द एवं मांसपेशियों के दर्द का उपचार

किया जाएगा। पेन व पेलिएटिव की टीम में डॉ. मनोज कमल, डॉ. पुनीत पारीक, डॉ. भरत पालीवाल, डॉ. अंकुर शर्मा, डॉ. जीवनराम विशनोई, डॉ. रविशंकर शर्मा, राजीव तिवारी, ज्योतिर्मय देनवाल, जगदीश, विजय जीमर आदि शामिल हैं। इस मौके पर अस्पताल अधीक्षक डॉ. अरविन्द सिन्हा ने टीम को निर्देश दिए। क्लिनिक में आवश्यकतानुसार मॉर्फीन की दवाइयाँ निःशुल्क वितरित की जाएंगी।

## एम्स ने केरल बाढ़ पीड़ितों की मदद के लिए भिजवाया सामान



केरल में आई बाढ़ में फंसे लोगों की मदद के लिए एम्स जोधपुर अपना हर संभव योगदान दे रहा है। वीकानेर कोचुवेल्ली एक्सप्रेस द्वारा 1400 किलोग्राम का सामान, जिसमें खाद्य पदार्थ, बेबी फूड, सैनेटरी नेफकिन, बर्तन एवं अन्य जरूरी सामान ट्रेन से भेजा गया, जो शनिवार तक कोच्चि पहुंच जाएगा। एम्स जोधपुर ने निपट, पनएल्यू व जोधपुर के अन्य कॉलेजों के सहयोग से ये सामान इकट्ठा किया है। छात्रों के साथ-साथ एम्स जोधपुर के शिक्षकों ने भी इस अभियान में सहयोग किया और स्वेच्छा से केरल के मुख्यमंत्री राहत कोष में धनराशि दान की है। एम्स जोधपुर का अगला स्तंभ दूसरी पारी में ट्रेन द्वारा अगले सप्ताह तक जरूरी दवाइयाँ एवं अन्य सामान भेजा जाएगा।

## एम्स ने 4.81 लाख का सामान केरल बाढ़ पीड़ितों के लिए भेजा



संस्थान (एम्स) के करीब 30 स्टूडेंट्स ने 4 लाख 81 हजार रुपए एकत्रित कर केरल बाढ़ पीड़ितों के लिए रोजमर्रा की जरूरी खाद्य सामग्री और दवाइयाँ भेजी हैं। एम्स के स्टूडेंट्स ने दो बार में यह सामग्री केरल भेजी है।

केरल बाढ़ पीड़ितों की मदद के लिए देश भर से लोग मदद को आगे आ रहे हैं। इस बीच अखिल भारतीय आयुर्विज्ञान



एम्स

# अब डॉक्टर व इंजीनियर मिलकर मरीजों के इलाज में सहायक सस्ते उपकरण बनाएंगे

हेल्थ रिपोर्टर : जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में जॉइंट सेंटर फॉर हेल्थ केयर टेक्नोलॉजी बनेगा। एम्स और इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी (आईआईटी) के बीच रिसर्च के लिए एमओयू के बाद अब मेडिकल डिवाइस डेवलपमेंट के दोनों संस्थानों के डायरेक्टर के बीच एमओयू साइन हुआ है। एम्स मेडिकल कॉलेज एकेडमिक डीन डॉ. कुलदीप सिंह ने बताया कि एम्स की तरफ से डायरेक्टर डॉ. संजीव मिश्रा और आईआईटी के डायरेक्टर प्रो. सीबीआर मूर्ति के बीच एमओयू हुआ है। इसमें दोनों ही संस्थानों की भागीदारी रहेगी, एम्स सेंटर के लिए जगह, उपकरण, फर्नीचर, सेमिनार हॉल, ऑडियो-वीडियो आदि की व्यवस्था करेगा। आईआईटी सेंटर को शुरू करने के लिए दो प्रोजेक्ट और एक नेशनल लेवल की कॉन्फ्रेंस



एम्स में जॉइंट हेल्थ केयर सेंटर को लेकर एम्स डायरेक्टर डॉ. संजीव मिश्रा, आईआईटी निदेशक प्रो. सीबीआर मूर्ति ने एमओयू पर साइन किया।

में सहयोग करेगा। डॉ. सिंह ने बताया कि इस सेंटर को खोलने का उद्देश्य आईआईटी की मदद से अस्पताल में काम आने वाले जरूरी उपकरणों, मेडिकल डिवाइस को कम लागत पर बनाना है। इसमें मेडिकल डिवाइस के मानकों का पूरा ध्यान

एम्स में बनेगा जॉइंट हेल्थ केयर टेक्नोलॉजी सेंटर. रिसर्च के बाद अब मेडिकल डिवाइस डेवलपमेंट के लिए भी एम्स-आईआईटी में एमओयू

रखा जाएगा। यहां बनने वाली डिवाइस सस्ते के साथ सुरक्षित भी होगी। डॉ. सिंह ने बताया कि दोनों ही संस्थानों के बीच पिछले डेढ़ साल से चल रहे विचार-विमर्श के बाद एमओयू का फेसलाफा लिया गया है। इसमें रिसर्च के लिए फंडिंग करने वाली एजेंसियों को भी जोड़ेंगे। इस सेंटर को संचालित करने के लिए सोमवार को दोनों संस्थानों के वरिष्ठ अधिकारी बैठक और वर्कशॉप कर सेंटर के एक साल का फ्लो चार्ट तैयार करेंगे। समय-समय पर दोनों संस्थानों के इंजीनियर और डॉक्टर मिलकर वर्कशॉप का आयोजन करेंगे।

एम्स के डिप्टी डायरेक्टर एनआर विशनोई ने बताया कि दो राष्ट्रीय स्तर के संस्थान एक मंच पर इस तरह का सेंटर खोलने जा रहे हैं, जिससे सभी को लाभ होगा। इस सेंटर में बनने वाला मेडिकल डिवाइस और प्रोडक्ट्स जांच और इलाज में उपयोगी होंगे



## एम्स की इंटर बेंच खेलकूद प्रतियोगिता तेजस 2018 संपन्न



जोधपुर @ पत्रिका | अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में इंटर बेंच खेलकूद तेजस 2018 के तहत चल रही विभिन्न खेलकूद प्रतियोगिताओं का समापन मंगलवार को हुआ। डॉ. पुष्पेंद्रसिंह खेड़ा व डॉ. आशीष न्यूर ने बताया कि प्रतियोगिता में एमबीबीएस बेंच नंबर 2014 ने खिताब जीता। वहीं ऑल ओवर में एमबीबीएस बेंच नंबर 2016 दूसरे स्थान पर रहा। महिला एथलेटिक्स में नर्सिंग की संजू ने पहला व एमबीबीएस बेंच नंबर 2014 को मेधना दूसरे स्थान पर रही। पुरुष वर्ग एथलेटिक्स में सर्वश्रेष्ठ धावक हिम्मत सियाग को घोषित किया गया। फुटबॉल

में बेंच नंबर 2015 ने बेंच नंबर 2016 को हराकर खिताब जीता। फुटसाल में बेंच नंबर 2015 ने 2016 को हराकर खिताब जीता। हॉकी में बेंच नंबर 2015 ने 2016 को, खो-खो में 2017 बेंच ने 2016 बेंच को, क्रिकेट में पीजी इंटरर्स ने 2016 बेंच को, वॉलीबाल में 2014 बेंच ने 2016 बेंच को व कबड्डी में 2014 बेंच ने 2016 बेंच को हराकर खिताब जीते। पारितोषिक वितरण समारोह में एम्स जोधपुर के डायरेक्टर संजीव मिश्रा ने विजेता-उपविजेता खिलाड़ियों को पुरस्कृत किया।

## एम्स के डॉक्टरों ने रेलवे कार्मिकों को दिया सीपीआर का प्रशिक्षण

जोधपुर | विश्व हार्ट रिस्टार्ट डे पर अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) व राजस्थान सोसायटी ऑफ एनेस्थिसियोलोजिस्ट के संयुक्त तत्वावधान में स्कूलों और रेलवे अधिकारियों सहित 1500 लोगों को सीपीआर की तकनीक सिखाई गई। एम्स एनेस्थिसिया के विभागाध्यक्ष डॉ. प्रदीप भाटिया और डॉ. मनोज कमल के नेतृत्व में विभाग के चिकित्सकों को चार टीमों ने शहर के चार स्कूल और रेलवे स्टेशन के अधिकारियों को तकनीक सिखाई। जोधपुर मंडल रेल प्रबंधक कार्यालय के सभा कक्ष में एम्स जोधपुर के डॉक्टरों की टीम ने रेलवे अधिकारियों व कर्मचारियों को सीपीआर और आपात स्थिति में जान बचाने के तरीकों का प्रशिक्षण दिया। उत्तर पश्चिम रेलवे के वरिष्ठ जनसंपर्क अधिकारी गोपाल शर्मा के अनुसार मंडल रेल प्रबंधक गौतम अरोरा की पहल पर व वर्ल्ड हार्ट डे पर आपात स्थिति में किसी भी व्यक्ति की जान बचाने के तरीके रेलवे अधिकारियों व कर्मचारियों को सिखाए गए। रेलवे अस्पताल के मुख्य चिकित्सा अधीक्षक डॉ. के श्रीधर के निर्देशन में एम्स जोधपुर के डॉ. राकेश कुमार, डॉ. नरेंद्र कालोरिया व डॉ. मुस्तावीर आगा ने रेलवे अधिकारियों व कर्मचारियों



को अचानक किसी व्यक्ति के हृदय गति रुक जाने की अवस्था में सीपीआर द्वारा हृदय गति को पुनः लाने, पानी में डूबने की अवस्था में, सांस लेने में रुकावट महसूस होने, गला चॉक हो जाने या बच्चों के गले में कुछ फंस जाने, विष के प्रभाव से बचाव व ऐसे ही विभिन्न मामलों में जान बचाने के लिए घर पर ही इस्तेमाल किए जा सकने वाले तरीकों का प्रशिक्षण दिया। इस अवसर पर अपर मंडल रेल प्रबंधक राजू भूतडा व पुष्कर सिंगला सहित सभी शाखा अधिकारी उपस्थित थे।

## एम्स में कॉकलियर इंप्लांट करा चुके बच्चों ने कैनवास पर उकेरे कल्पनाओं के रंग

### विश्व बधिर्ता दिवस



जोधपुर | एम्स में विश्व बधिर्ता दिवस पर कॉकलियर इंप्लांट करा चुके बच्चों ने कैनवास पर अपनी कल्पनाओं के रंग भरे। किसी ने झंडा, किसी ने घर बनाया और अपने अनुसार ही चित्रों में रंग भरे। साढ़े चार साल की केजी की छात्रा दिव्यांशी दवे अपनी मां डॉ. रुचिका दवे के साथ ईएनटी विभाग की ओपीडी में आई। दिव्यांशी ने कैनवास पर सभी बच्चों की तरह चित्र बनाया और खुद की कॉकलियर इंप्लांट से पहले और बाद की जिंदगी बयानों को कर दिया। दिव्यांशी ने एक बच्चा बनाया जो बोल और सुन नहीं सकता

था, उसका जीवन एक कैदी की तरह था। दूसरा बच्चा जो सुन सकता था, जो सामान्य बच्चों की तरह था। उसका जीवन कलरफूल और संगीतमय था। चित्र बनाकर दिव्यांशी ने उस पर लिखा- सुनना और बोलना मेरा जन्म अधिकार है। ईएनटी विभागाध्यक्ष डॉ. अमित गोयल ने बताया कि एम्स में जिन बच्चों का कॉकलियर इंप्लांट हुआ, उन सभी को पेंटिंग कार्यक्रम में आमंत्रित किया था। इसमें करीब 30 बच्चे अपने माता-पिता और परिजनों के साथ आए। सभी बच्चों को एम्स एकेडमिक डीन डॉ. कुलदीप सिंह ने उपहार भेंट किए।



## आयुष्मान भारत के सीईओ इंदुभूषण ने भामाशाह योजना संचालन की प्रक्रिया देखी



आयुष्मान भारत के सीईओ एम्स में बैठक ली।

आयुष्मान योजना के बारे में राज्य और केंद्र के अस्पताल प्रशासन को कराया अवगत

जोधपुर | आयुष्मान भारत के सीईओ इंदुभूषण ने शुक्रवार को राज्य के निजी और सरकारी अस्पतालों व केंद्र संचालित एम्स के डॉक्टर और विभागाध्यक्षों से मिलकर आयुष्मान भारत योजना व अस्पतालों में संचालित भामाशाह योजना के बारे में जानकारी ली। उन्होंने आयुष्मान भारत योजना के क्रियान्वयन की प्रक्रिया से अवगत कराया। उन्होंने सुबह पहले एमडीएम अस्पताल में भामाशाह योजना के संचालन को देखा और इससे मरीजों को फायदा मिल रहा है या नहीं, इसकी अधिकारियों से संपूर्ण जानकारी ली और सभी को आयुष्मान भारत योजना के बारे में बताया। फिर एम्स के अधिकारियों व डॉक्टरों के साथ बैठक की। इंदुभूषण गुरुवार को जोधपुर पहुंचे थे। शुक्रवार सुबह एमडीएमएच में जानकारी लेने के बाद करीब 10 बजे एम्स पहुंचे जहां डिप्टी डायरेक्टर एनआर

विश्वनोई और मेडिकल सुपरिटेण्डेंट डॉ. अरविंद सिन्हा व राज्य के चिकित्सा एवं स्वास्थ्य विभाग में कार्यरत आईएम्स आशीष मोदी, सीएमएचओ डॉ. सुनील बिष्ट व एम्स के विभागाध्यक्षों के साथ आयुष्मान भारत योजना के क्रियान्वयन पर विचार-विमर्श किया। अस्पताल में आने वाले मरीज और वर्तमान में चल रही योजनाओं के बारे में एम्स अधीक्षक डॉ. सिन्हा ने बताया। डॉ. भूषण ने बैठक में योजना का किस प्रकार क्रियान्वयन होगा, के बारे में पाँच पॉइंट प्रेजेंटेशन दिया। फिर विभागाध्यक्षों से योजना के बारे में फीडबैक लिया। इसमें नेफ्रोलॉजी और इंटरवेंशनल रेडियोलॉजी विभाग के प्रोसिजर योजना में नहीं होने और योजना में शामिल मरीज को पूरा इलाज निशुल्क देने की बात पर इंप्लॉट नहीं होने की स्थिति आदि सवालों को इंदुभूषण ने नोट किया। करीब 11.40 बजे वे एम्स से पाल रोड स्थित निजी हॉस्पिटल गए और वहां भामाशाह योजना में भर्ती करने और मरीजों को लाभ देने की प्रक्रिया देखी।

## एम्स में भर्ती बच्चों के साथ मनाया बाल दिवस

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में बुधवार को एम्स डायरेक्टर डॉ. संजीव मिश्रा ने सामान्य शिशु रोग व शिशु सर्जरी वार्ड में भर्ती बच्चों से केक



कटवाकर बाल दिवस मनाया गया। बाल दिवस के इस अवसर पर एम्स डायरेक्टर ने कहा कि बच्चे हमारा और देश का भविष्य है यह स्वस्थ रहेंगे तो देश स्वस्थ रहेगा। कार्यक्रम में बच्चों के लिए पेंटिंग प्रतियोगिता का आयोजन किया गया। पेंटिंग प्रतियोगिता में भाग लेने के अलावा

डायरेक्टर ने सभी शिशु सर्जरी और सामान्य शिशु रोग वार्ड में भर्ती सभी बच्चों को खिलौने बांटे। कार्यक्रम में डायरेक्टर डॉ. संजीव मिश्रा, डिप्टी अधीक्षक डॉ. महावीर रोडा, डॉ. नवीन दत्त, कार्डियोथोरैसिक विभाग के डॉ. आलोक शर्मा नर्सिंग कॉलेज के प्राचार्य प्रो. राजरानी समेत शिशु रोग विभाग के डॉक्टर मौजूद थे।

## एम्स अस्पताल की ओपीडी में दिलाई स्वच्छता की शपथ



जोधपुर | अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) की ओपीडी में डायरेक्टर डॉ. संजीव मिश्रा और अस्पताल अधीक्षक डॉ. अरविंद सिन्हा ने स्टाफ को स्वच्छ भारत अभियान के तहत शपथ दिलाई। परिसर में स्वच्छता कार्यक्रम आयोजित किया गया।

## • एम्स में शुरू हुई प. राजस्थान की पहली लिनियर एक्सिलेटर मशीन, 4 माह तक किया टेस्ट एम्स में कैंसर रेडियोथैरेपी से इलाज शुरू, 40 मरीजों को मिली राहत, बाजार से 80 फीसदी सस्ती थैरेपी

महावीर प्रसाद शर्मा जोधपुर

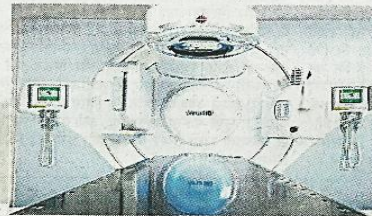
कैंसर के मरीजों को कम लागत में रेडियोथैरेपी उपलब्ध करवाने वाली मशीन अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में चालू कर दी गई है। इस लिनियर एक्सिलेटर इलेक्ट्रो वरसा एचडी मशीन की सुविधा शुरू होने से जोधपुर व आस-पास के कैंसर मरीजों को आधुनिक थैरेपी के लिए बाहर नहीं जाना पड़ेगा। बाजार में अभी रेडियोथैरेपी के लिए 1.50 से 2 लाख रुपए देने पड़ते हैं। जबकि इस मशीन से यह थैरेपी करने के लिए करीब 30 हजार रु. लिए जाएंगे। यह बाजार दर से करीब 80 प्रतिशत सस्ता है। हालांकि अभी इस थैरेपी के लिए निश्चित शुल्क तय नहीं किया गया है। जानकारी के अनुसार यह चार्ज दिल्ली एम्स और पीजीआई चंडीगढ़ की दरों के आस पास ही होगा। एम्स ने करीब 43 करोड़ की लागत से मशीन और उसके लिए जरूरी इंफ्रास्ट्रक्चर तैयार कर लिया है। मशीन को भारत सरकार के एटॉमिक रेगुलैट्री बोर्ड से किसी भी प्रकार के कैंसर में रेडियोथैरेपी देने के लिए मान्यता भी मिल गई है। अभी एम्स प्रशासन की ओर से मरीजों को यह थैरेपी मुफ्त दी जा रही है। इस अत्याधुनिक मशीन का फायदा यह है कि इससे कैंसर संक्रमित अंग पर ही फोकस होने से शरीर के अन्य हिस्सों पर रेडिएशन का दुष्प्रभाव नहीं होता।

### प्रथम फेज में हड्डी, ब्रेन, आंत के कैंसर की थैरेपी

• एम्स के डिपार्टमेंट ऑफ रेडियोथैरेपी के एसोसिएट प्रोफेसर डॉ. पुनीत पारीक ने बताया कि मशीन को अभी प्रथम फेज के लिए शुरू किया गया है।

• जिसमें बच्चेवानी के ट्यूमर, आंत के ट्यूमर, ब्रेन में होने वाले मल्टीफल ट्यूमर, हड्डी में होने वाले ट्यूमर वाले मरीजों को मशीन से थैरेपी दी जा रही है।

• जल्द ही फेज दो स्टार्ट किया जाएगा, इसमें शरीर के संवेदनशील स्थानों पर होने वाले सूक्ष्म ट्यूमर वाले मरीजों, प्रोस्टेट, ब्रेन और फेफड़ों में सूक्ष्म जगहों पर होने वाले ट्यूमर के मरीजों को भी मशीन के जरिए थैरेपी देकर इलाज किया जाएगा।



• डॉ. पारीक ने बताया कि सूक्ष्म जगह पर होने वाले ट्यूमर में यह ध्यान रखना पड़ता है कि शरीर के अन्य हिस्सों में रेडिएशन से दुष्प्रभाव नहीं पड़े।

• एम्स में अब तक 40 मरीजों को इस मशीन से थैरेपी दी जा चुकी है। अत्याधुनिक मशीन से की गई इस रेडियोथैरेपी के परिणाम भी अच्छे मिले हैं। यदि हम सभी तंबाकू रहित जीवनशैली अपनाएं व प्रदूषण मुक्त माहौल बनाएं व इसमें रहें तो इन मशीनों की आवश्यकता ही नहीं पड़ेगी। हमें खुद को ऐसी ही जीवनशैली अपनानी चाहिए साथ ही दूसरों को भी प्रेरित करना चाहिए।

डॉ. पुनीत पारीक, एसोसिएट प्रोफेसर, डिपार्टमेंट ऑफ रेडिएशन

### एम्स में रजिस्टर्ड मरीजों को ही मिलेगा फायदा

इस मशीन से वे ही मरीज थैरेपी करवा सकेंगे जिन्होंने एम्स जोधपुर की ओपीडी में रजिस्ट्रेशन करवा रखा है। डॉ. पारीक ने बताया कि एम्स में इलाज करवा रहे रजिस्टर्ड मरीजों को ही मशीन से थैरेपी की जा रही है। यदि कोई मरीज केवल थैरेपी के लिए यहां आता है तो उन्हें मशीन से थैरेपी नहीं की जा सकेगी।

## मरीजों के फीडबैक के पैमाने पर दिल्ली एम्स टॉप-10 में भी नहीं, जोधपुर एम्स देशभर में दूसरे स्थान पर

पीएम के संसदीय क्षेत्र का अस्पताल सबसे फिसड्डी पवन कुमार. नई दिल्ली | मरीजों के फीडबैक के पैमाने पर दिल्ली का एम्स देश के टॉप-10 अस्पतालों में जगह नहीं बना पाया। जोधपुर एम्स केंद्र के अस्पतालों में दूसरे स्थान पर रहा। राज्य के अस्पतालों में राजस्थान का सबसे बड़ा एसएमएस अस्पताल टॉप-5 में जगह नहीं बना पाया। अप्रैल, 2018 से दिसंबर तक केंद्रीय व जिला अस्पतालों में आए मरीजों से फीडबैक पर स्वास्थ्य मंत्रालय ने यह रैंकिंग तैयार की है। जिला अस्पतालों में पीएम मोदी के संसदीय क्षेत्र वाराणसी का शिव प्रसाद गुप्ता डिजिटल डिस्ट्रिक्ट अस्पताल सबसे फिसड्डी है। शेष | पेज 9

**केंद्र के टॉप-5**  
पुडुचेरी-जीएम  
राजस्थान-जोधपुर एम्स  
दिल्ली-वीपीसीआई  
असम-एलजीबीआरआईएमएच  
कर्नाटक-निम्हांस  
**ये फिसड्डी** : दिल्ली का केसीएच, सफदरजंग व एसएसकेएच, उत्तराखंड-एम्स, बिहार का एम्स

**राज्य के टॉप-5 अस्पताल**  
तमिलनाडु-जिला अस्पताल मेदुर डम  
तमिलनाडु-जिला अस्पताल नामाक्कल  
तमिलनाडु-जिला अस्पताल इरोड  
कर्नाटक-जिला अस्पताल उडुपी  
कर्नाटक-लेडी गोरचन अस्पताल  
**ये फिसड्डी** : यूपी -शिवप्रसाद गुप्त अस्पताल, वाराणसी, डिस्ट्रिक्ट मेल, बस्ती व फैजाबाद, डिजिटल डिस्ट्रिक्ट, आजमगढ़, बिहार-सदर, मुंगेर

## सिटी ACTIVITY

एम्स में फिजियोलॉजी वर्कशॉप के दूसरे दिन स्टूडेंट्स को बताए पढ़ाई के बेहतर तरीके

## तकनीक का उपयोग कर स्टूडेंट्स व टीचर्स को सक्रिय करने की जरूरत : प्रो. मेकनाइट

सिटी भास्कर. जोधपुर

एम्स के फिजियोलॉजी विभाग की ओर से पहली तीन दिवसीय आईसीएमआर वर्कशॉप फिजियोलॉजी एजुकेशन टेक्निक्स 2018 के दूसरे दिन रविवार को ऑस्ट्रेलिया के प्रोफेसर टोनी मेकनाइट ने विद्यार्थियों और अध्यापकों को सक्रिय करने पर जोर दिया। उन्होंने कहा कि इसके लिए आधुनिक तकनीक को अपनाकर उसका अधिकाधिक उपयोग करना चाहिए। यूनिवर्सिटी ऑफ हेलोसिंकी, फिनलैंड की प्रोफेसर लिजा



टोनी मेकनाइट



लिजा पेट्टोनन

पेट्टोनन ने बताया कि यूनिवर्सिटी में मेडिकल छात्रों को पढ़ाने के लिए विभिन्न तरीके काम में लिए जाते हैं। वहां पढ़ाने के लिए एक पूरा पैकेज बनाया जाता है जिसमें व्याख्यान, प्रायोगिक कक्षाएं, वेब आधारित शिक्षा और उसके पश्चात रचनात्मक एवं योगात्मक मूल्यांकन किया जाता है। इससे स्टूडेंट्स आसानी से और बेहतर तरीके से समझ सकता है। आयोजन समिति सचिव डॉ. प्रसूनप्रिय ने बताया कि वर्कशॉप में देश-विदेश से मेडिकल फील्ड के 24 फैकल्टी आए हैं। इनमें आठ-आठ के तीन बैच बनाकर परंपरागत प्रणाली से अलग केस बेस्ड, प्रॉब्लम बेस्ड लर्निंग और फिलप क्लास रूम पैटर्न में मेडिकल स्टूडेंट्स को पढ़ाई के बेहतर तरीके बताए गए।



वर्कशॉप में विशेषज्ञों ने केस व प्रॉब्लम बेस्ड लर्निंग को ज्ञान प्राप्त करने का बेहतर तरीका बताया।

### पहले स्टेशन में केस बेस्ड लर्निंग

वर्कशॉप में तीन स्टेशन बनाकर व चार-चार फैकल्टी के दो बैच बनाकर सीबीएल, पीबीएल और एफसीआर पैटर्न सिखाए गए। पहला स्टेशन में केस बेस्ड लर्निंग (सीबीएल) में डॉ. सृजना बर्मन और डॉ. दीनू ने उच्च रक्तचाप के मरीज का केस बताया और प्रतिभागियों ने उस केस के आधार पर हृदय प्रणाली के बारे में शिक्षा प्राप्त की। डॉ. बर्मन ने बताया कि इस अध्ययन प्रणाली में विद्यार्थी सबसे ज्यादा फायदा तभी उठा पाएंगे जब वे पहले से ही अध्ययन सामग्री को पढ़कर और समझकर आएंगे।

### दूसरे स्टेशन में प्रॉब्लम बेस्ड लर्निंग

प्रॉब्लम बेस्ड लर्निंग को मेडिकल कॉलेजों में ज्ञान प्राप्त करने का बेहतरीन तरीका बताया। इस तकनीक में पारंपरिक पढ़ाई के विपरीत विद्यार्थियों को पहले एक समस्या दी जाती है जिसका उनको कोई पूर्व ज्ञान नहीं होता, इसका उन्हें स्वयं से पहले अध्ययन करना होता है। फिर वे स्वयं पढ़ाई के उद्देश्यों को तय करते हैं। इस प्रणाली में अध्यापक की भूमिका सिर्फ परिनिायामक की होती है। डॉ. रेणुका, डॉ. भारती भंडारी एवं डॉ. शिवा दत्ता ने इस तकनीक के प्रयोग का प्रदर्शन किया।

### तीसरे स्टेशन में वीडियो रिकॉर्डिंग से लर्निंग

फिलप क्लास रूम में परंपरागत प्रणाली के विपरीत अध्यापक अपना व्याख्यान वीडियो रिकॉर्डिंग करके एक दिन पहले ही विद्यार्थियों को दे देते हैं और कक्षा में विद्यार्थी उस वीडियो को लेक्चर पर चर्चा करके अपने प्रश्नों को अध्यापक के सामने रखते हैं और फिर छोटे-छोटे गुट बनाकर उन प्रश्नों के उत्तर तक पहुंचा जाता है। इस तकनीक को प्रो. शर्मिष्ठा घोष, डॉ. मानसी और सूर्या प्रकाश ने प्रस्तुत किया। गौरतलब है कि एम्स जोधपुर में तीनों ही तरीकों से मेडिकल स्टूडेंट्स को पढ़ाया जाता है।

२०१८-१९

## सीने में हड्डी बढ़ने से 9 साल के बच्चे को थी सांस की तकलीफ एम्स में चार विभागों के डॉक्टरों ने 9 घंटे में सर्जरी कर राहत दी

छाती से गले तक बढ़ी हड्डी व रीढ़ की हड्डी के बीच दबी हुई थी सांस की नली, डॉक्टर बोले- 10 लाख में 1 को ऐसी बीमारी

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नौ साल के बच्चे के सीने में बढ़ी अतिरिक्त हड्डी का एम्स जोधपुर में चार विभाग के सर्जन ने करीब नौ घंटे तक सफल ऑपरेशन कर सांस लेने में हो रही तकलीफ दूर की। इंदवार गांव, तहसील मेड़ता सिटी निवासी अभिषेक (9) सांस लेने में तकलीफ लेकर एम्स जोधपुर में आया था। डॉक्टरों ने अभिषेक के सीने के पास बढ़ी अतिरिक्त हड्डी जो गर्दन तक पहुंच चुकी थी, को ऑपरेशन कर हटाया।

कार्डियोथोरेसिक विभाग के डॉ. आलोक शर्मा ने बताया कि अभिषेक गत 4 अक्टूबर को ओपीडी में दिखाने आया। उसको देखकर ही समझ में आ गया कि छाती पर बढ़ी हड्डी के कारण सांस की नली दबने से सांस लेने में समस्या आ रही है। उसकी तुरंत सीटी स्कैन करवाकर इलाज शुरू किया। डॉ. शर्मा ने बताया सर्जरी इसलिए जटिल थी कि बच्चा छोटा था, सांस की नली जो सामान्य बच्चों में 1.5 सेंटीमीटर तक खुली रहती है वह हड्डी के दबाव से इतनी दब गई थी कि 3 मिलीमीटर ही खुली थी। बेहोश करना मुश्किल था, क्योंकि



सर्जरी से पहले बच्चे की स्थिति यह थी एम्स में ऑपरेशन कर हटाई हड्डी

जो नली डालकर किया जाता वह बहुत दब चुकी थी और दूसरी ट्यूब करीब 5.5 एमएम की डालनी थी। इसके लिए एनेस्थीसिया विभाग व कार्डियोथोरेसिक, ईएनटी, प्लास्टिक सर्जरी और रेडियोलॉजी विभाग के डॉक्टरों के साथ बात कर ऑपरेशन प्लान किया। ऐसी बीमारी 10 लाख लोगों में 1 को होती है। अभिषेक के केस में यह आनुवांशिक है, उसके पिता चैनाराम को भी यह बीमारी है। डॉ. शर्मा ने बताया कि शुरुआत को ऑपरेशन के बाद मरीज को मंगलवार को छुट्टी दे दी है। छह माह बाद फिर जांच करेंगे कि कहीं फिर से हड्डी तो नहीं बढ़ रही है। कारण कि बच्चों में सामान्यतया 19 साल तक हड्डियां बढ़ती हैं।

### हार्ट लंग बाइपास मशीन को टांग की नस से जोड़कर ऑपरेशन किया

जटिल बीमारी के चलते मरीज को बेहोश नहीं कर सकते थे। ऐसे में बच्चे की टांग को सून कर हार्ट लंग बाइपास मशीन को टांग की नस से जोड़कर नाक से सांस लेने वाली जरूरत को बंद किया और ऑक्सीजन खून में भिक्क करने का काम मशीन पर रखा। मरीज की छाती पर बढ़ी हड्डी और पीछे रीढ़ की हड्डी के बीच में सांस की नली दबी हुई थी। इसके चलते मुंह से मिनिमम 5.5 एमएम की ट्यूब डालने की बजाय 5 एमएम की ही डाल पाए। बाद में हार्ट लंग मशीन को बंद कर दिया गया। कार्डियोथोरेसिक सर्जन डॉ. शर्मा के नेतृत्व में डॉ. सुरेंद्र पटेल, एनेस्थीसिया विभाग के डॉ. प्रदीप भाटिया, डॉ. मृत्युंजय कुमार, डॉ. भरत पालीवाल, ईएनटी सर्जन डॉ. अमित गौयल और डॉ. सौरभ पात्रो, प्लास्टिक सर्जन डॉ. रणजीत साहू, डॉ. प्रकाश काला, रेडियोलॉजी विभाग के डॉ. पवन गर्ग ने ऑपरेशन किया।

## एम्स में अब जानवरों पर दवाओं की रिसर्च होगी, 4.81 करोड़ से बनेगा एनिमल हाउस

### जानवरों के रहने के अनुकूल वातावरण वाला सेंटर बनेगा

महावीर प्रसाद शर्मा | जोधपुर

मरीजों को बेहतर मेडिसिन और क्लिनिकल सेवाएं उपलब्ध करवाने के तहत एम्स में अब जानवरों पर दवाओं का रिसर्च भी किया जाएगा। इसके तहत एम्स जोधपुर अब जानवरों को पालेगा। जानवरों के लिए एम्स परिसर में 4.81 करोड़ से अधिक की लागत का एनिमल हाउस बनेगा। रिसर्च के समय जानवरों पर होने वाले असर को संबंधित विभाग द्वारा आसानी से नोटिस किया जा सके, उसके लिए यहां एनिमल

हाउस बनाया जा रहा है। हालांकि अभी एम्स के अधिकारी इसकी जानकारी देने से बच रहे हैं। एनिमल हाउस में चूहे, बिल्ली, सूअर, बकरी आदि रखे जाएंगे। इसके लिए जरूरी अप्रुवल भी ली जाएगी। देश में एक साथ खुले 6 एम्स में जोधपुर एम्स में यह पहला एनिमल हाउस खुल रहा है। इसके लिए आर्किटेक्चर अप्रुवल मिल गई है। यहां पर ब्लडप्रेशर की रिसर्च जैसी अन्य रिसर्च पर फैकल्टी काम करेंगी। इस तरह के एनिमल हाउस देश के कई नेशनल इंस्टीट्यूट के मेडिकल संस्थानों में भी बने हुए हैं। फिजियोलॉजी और फार्माकोलॉजी विभाग में होने वाली रिसर्च को इन जानवरों पर किया जाएगा। इसके अलावा क्लिनिकल और ड्रग्स संबंधित रिसर्च भी इन जानवरों पर की जाएगी।

### वैटरनरी डॉक्टरों की सेवाएं लेंगे

एम्स से मिली जानकारी के अनुसार एनिमल हाउस को फार्माकोलॉजी विभाग की देखरेख में तैयार किया जाएगा। जानवरों की देखरेख के लिए पशुपालन विभाग के डॉक्टरों को आउटसोर्सिंग पर रखा जाएगा। इसके अलावा हेल्पिंग हैंड के तौर पर अन्य कर्मचारी भी आउटसोर्सिंग पर रखे जाएंगे। एनिमल हाउस एनिमल किंगडम की तरह होगा, ताकि जानवरों को कोई नुकसान नहीं हो और उन्हें उनके अनुरूप वातावरण भी मिल सके।

### एम्स ने जारी की निविदा

एम्स ने एनिमल हाउस के लिए सोमवार को निविदा जारी कर दी। इसमें एनिमल हाउस की लागत 4,81,71,353 रु. बताई गई है। इसमें सिविल वर्क 4,54,96,473 और इलेक्ट्रिकल वर्क 26,74,880 का किया जाएगा।

## भास्कर स्वास • मोटापा, संधिपेम, स्त्री रोग, वात-व्याधि अनिद्रा, चर्म व बाल रोग का होगा इलाज, फीस अभी तय नहीं

### अब एम्स में भी पंचकर्म से होने लगा इलाज, आसपास के लोगों को 30 किमी दूर आयुर्वेद विवि नहीं जाना पड़ेगा

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अब एम्स में आयुर्वेदिक पद्धति के पंचकर्म से इलाज की सुविधा शुरू हो गई है। ऐसे में यहां आसपास रहने वालों को आयुर्वेदिक इलाज के लिए 30 किलोमीटर दूर स्थित आयुर्वेद विश्वविद्यालय नहीं जाना पड़ेगा। एम्स में हुए पहले दीक्षांत समारोह के दौरान केंद्रीय चिकित्सा मंत्री डॉ. जेपी नड्डा द्वारा आयुष विभाग की बिल्डिंग का उद्घाटन करने के बाद यहां एम्स डायरेक्टर के निर्देश पर पंचकर्म की सुविधाएं भी शुरू की गई हैं। एम्स अधीक्षक डॉ. अरविंद सिन्हा ने बताया कि आमजन की

सुविधा के लिए आयुष विभाग में 6 नवंबर 2017 से ओपीडी की सेवाएं शुरू कर दी गई थी। अब तक 6 हजार से ज्यादा मरीज लाभ ले चुके हैं। हाल में शुरू पंचकर्म की सुविधा का कोई शुल्क निर्धारित नहीं किया गया है, जल्द ही कमेटी पंचकर्म का शुल्क निर्धारित करेगी।

आयुष विभाग की डॉ. मोनाक्षी शर्मा ने बताया कि एम्स डायरेक्टर डॉ. संजीव मिश्रा के नेतृत्व में पंचकर्म की विभिन्न विद्याओं जैसे शिरोधारग, अयंग्र, स्वेदन, जानुधारा, प्रतपिण्ड स्वेद, उदवर्तन, कटिवस्ती, ग्रीवावस्ती आदि सेवाएं आमजन को अभी

दी जा रही है। इसमें विभिन्न रोग जैसे मोटापा, संधिपेम, स्त्री रोग, वात-व्याधि अनिद्रा तथा चर्म व बाल रोग का इलाज किया जा रहा है। आयुष विभाग में स्वर्णप्राशन कार्यक्रम में बच्चों को स्वर्ण बिंदु प्राशन करवाकर रोग प्रतिरोधक क्षमता बढ़ाई जा रही है। गौरतलब है कि एम्स में पहले आयुर्वेद जिला अस्पताल खांडा फलसा में और करवड़ स्थित आयुर्वेद यूनिवर्सिटी में पंचकर्म की सुविधाएं दी जा रही हैं। एम्स में पंचकर्म की सुविधा शुरू होने से चौहाबो, शास्त्रीनगर, झालामंड, पाली रोड, सरदारपुर सहित आसपास के रहवासियों को फायदा मिलेगा।



एम्स के आयुष विभाग में आयुर्वेद पद्धति से इलाज करते डॉक्टर।

# सिटी ACTIVITY

## इंस्टीट्यूट बिल्डिंग बनाने से नहीं बनता, वह अच्छे नेतृत्व और लगन से बनता है : प्रो. आचार्य

### एम्स जोधपुर के छठे वार्षिकोत्सव में कल्चरल प्रोग्राम के बीच बांटे गोल्ड मेडल

हेल्थ रिपोर्टर | जोधपुर

एम्स भुवनेश्वर के अध्यक्ष प्रो. एमके आचार्य ने एम्स में हुए विकास के लिए डायरेक्टर डॉ. संजीव मिश्रा को बधाई देते हुए कहा, कि कोई भी इंस्टीट्यूट बिल्डिंग के निर्माण से नहीं बनता है, वह अच्छे नेतृत्व, मेहनत और लगन से बनता है। यही कारण है, कि एम्स जोधपुर अन्य छह एम्स की तुलना में आगे हैं। वे रविवार को अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर के छठे वार्षिकोत्सव में गेस्ट ऑफ ऑनर के तौर पर स्टूडेंट्स और फैकल्टी को संबोधित कर रहे थे। उन्होंने कहा, कि एम्स अंतरराष्ट्रीय स्तर पर ब्रांड बन चुका है और जल्द ही पूरे ग्लोब पर एम्स नजर आएगा।

एम्स जोधपुर के नए अध्यक्ष और चीफ गेस्ट प्रो. एससी शर्मा ने कहा, कि एम्स दिल्ली और पीजीआई चंडीगढ़ जब शुरू हुए तो तत्कालीन मंत्री यूएस यूके से डॉक्टर लेकर आए, जिन्होंने अपने यहां का कल्चर इन दोनों संस्थाओं की फैकल्टी को सिखाया। दिल्ली एम्स पब्लिकेशन के लिए अंतरराष्ट्रीय स्तर पर ख्याति प्राप्त है, वहीं मरीजों की देखभाल के लिए राष्ट्रीय स्तर पर उसकी ख्याति है। एम्स जोधपुर भी उसी ट्रेड और दिशा में कार्य कर रहा है। इसके लिए यहां के डायरेक्टर को धन्यवाद देना चाहूंगा, कि उन्होंने अपनी मेहनत और लगन से इस इंस्टीट्यूट को इतनी ख्याति दिलाई।

एम्स डायरेक्टर डॉ. संजीव मिश्रा ने एम्स की शुरुआत से अब तक की यात्रा बताते हुए कहा, कि हमारे इंस्टीट्यूट में केवल डॉक्टर की पढ़ाई नहीं बल्कि, मानवीयता भी सिखाई जाती है। इससे डॉक्टर मरीज का इलाज ही नहीं, बल्कि मरीज और उनके परिजनों की स्थिति को भी समझ सकता है। कार्यक्रम में आईआईटी के डायरेक्टर प्रोफेसर सीवीआर मूर्ति ने स्टूडेंट्स को अच्छे डॉक्टर बनने के साथ-साथ एक अच्छा नागरिक बनने की भी सीख दी।

एम्स रायपुर के डायरेक्टर प्रोफेसर नितिन नागरकर ने सभी नए एम्स के अपने अनुभव साझा करते हुए जोधपुर एम्स की मौजूदा टीम के योगदान की सराहना की। उन्होंने संस्थान के उज्वल भविष्य की कामना करते हुए सभी अवार्ड प्राप्त करने वाले स्टूडेंट्स को शुभकामनाएं दी। एम्स के एकेडमिक डीन डॉ. कुलदीप सिंह ने सभी फैकल्टी के प्रयासों और बच्चों की सफलता के बारे में बताया। इस अवसर पर इंस्टीट्यूट की मैगजीन रोहिड़ा का अनावरण किया गया। माइक्रो बायोलॉजी विभाग के विभागाध्यक्ष डॉ. विजयलक्ष्मी नाग ने आभार जताया। एम्स के वार्षिकोत्सव पर सांस्कृतिक कार्यक्रमों की प्रस्तुति दी गई। क्वेनियम बैंड पर रांक गीतों और फिल्मी पैरोडी गीतों पर डांस का सिलसिला चला।



एजुअल फंक्शन में इंस्टीट्यूट की मैगजीन रोहिड़ा का विमोचन हुआ और स्टूडेंट्स को मेडल दिए गए।

## इन होनहार स्टूडेंट्स को मिला गोल्ड

**अमृता वार्ण्य (2013)** : बेस्ट ऑल राउंडर स्टूडेंट्स (गर्ल्स), डायरेक्टर गोल्ड मेडल, गोल्ड मेडल फॉर बेस्ट गर्ल्स स्टूडेंट्स इन फाइनल एमबीबीएस एग्जाम, बुक प्राइज, गोल्ड मेडल इन सर्जरी, प्रसूति एवं स्त्री रोग, कम्युनिटी मेडिसिन और फैमिली मेडिसिन, बेसिक एंड मेडिकल साइंस, बेसिक एंड सर्जिकल साइंस, सर्जिकल स्पेशियलिटी, पिडियाट्रिक, प्रसूति एवं स्त्री रोग एंड इन कम्युनिटी मेडिसिन एंड फैमिली मेडिसिन और गोल्ड मेडल इन क्लिनिकल।

**अंकित कुमार राय (2013)** : बेस्ट ऑल राउंडर स्टूडेंट्स (बॉयज), डायरेक्टर सिल्वर मेडल, गोल्ड मेडल इन मेडिसिन और पिडियाट्रिक।

**आर वैशाली (2013)** : गोल्ड मेडल इन मेडिसिन।

**अनुशा मानसिंगका (2015)** : डायरेक्टर गोल्ड मेडल, बुक प्राइज फॉर स्टैंडिंग फर्स्ट, गोल्ड मेडल इन पैथोलॉजी और फार्माकोलॉजी।

**शिवानी सिंह (2015)** : डायरेक्टर गोल्ड मेडल, बुक प्राइज फॉर स्टैंडिंग फर्स्ट, गोल्ड मेडल इन फॉरेंसिक मेडिसिन एंड टॉक्सिकोलॉजी।

**श्रीजन सिन्हा (2015)** : डायरेक्टर सिल्वर मेडल, गोल्ड मेडल इन पैथोलॉजी।

**गरिमा चौधरी (2015)** : गोल्ड मेडल

इन माइक्रोबायोलॉजी

**श्रद्धा बाहेती (2017)** : डायरेक्टर गोल्ड मेडल, बुक प्राइज फॉर स्टैंडिंग फर्स्ट, गोल्ड मेडल इन एनाटोमी, गोल्ड मेडल इन बायोकैमिस्ट्री।

**अनामिका सिंगला (2017)** : डायरेक्टर सिल्वर मेडल, गोल्ड मेडल इन फिजियोलॉजी

(बीएससी ऑनर्स नर्सिंग 2014, 2016 बैच)

**भानु प्रिया शर्मा (2014)** : गोल्ड मेडल ऑवर ऑल टॉपर (हाई एग्ग्रेगट मार्क्स), गोल्ड मेडल इन नर्सिंग रिसर्च एंड स्टैटिक्स।

**पूजा सेठी (2014)** : गोल्ड मेडल फॉर सिंबयोरिंग हाई कम्युनिटी हेल्थ नर्सिंग-द्वितीय

**निशा (2014)** : गोल्ड मेडल इन कम्युनिकेशन एंड एजुकेशनल टेक्नोलॉजी

**हिमानी (2014)** : गोल्ड मेडल इन नर्सिंग मैनेजमेंट

**काजल प्रजापत (2016)** : गोल्ड मेडल फॉर सिंबयोरिंग हाई एग्ग्रेगट मार्क्स, गोल्ड इन माइक्रोबायोलॉजी।

**कनुप्रिया जोशी (2016)** : गोल्ड इन फार्माकोलॉजी

**सविता (2016)** : गोल्ड इन सोशियोलॉजी

### एम्स का प्रथम दीक्षांत समारोह आज, 160 विद्यार्थी लेंगे डिग्रियां

केन्द्रीय स्वास्थ्य

मंत्री जेपी नड्डा लेंगे भाग

जोधपुर @ पत्रिका अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर का प्रथम दीक्षांत समारोह मंगलवार अपराह्न साढ़े तीन बजे एम्स ऑडिटोरियम में आयोजित होगा।

समारोह के मुख्य अतिथि केन्द्रीय स्वास्थ्य एवं परिवार कल्याण मंत्री जगत प्रकाश नड्डा होंगे। विभिन्न अतिथि कृषि एवं कृषक कल्याण राज्यमंत्री गजेन्द्र सिंह शेखावत, विधि, न्याय व कॉर्पोरेट कार्य राज्यमंत्री पीपी चौधरी, राज्यसभा संसदीय सदस्य नारायणलाल पंचरिया और राज्यसभा संसदीय सदस्य गमनराजपण डूंडे व एम्स अध्यक्ष प्रो. एससी शर्मा अध्यक्षता करेंगे। अथिथक डॉ. अरविंद सिन्हा ने बताया कि कार्यक्रम में एम्स के 100 मेडिकल व बीएससी के 60 विद्यार्थियों को डिग्रियां प्रदान की जाएगी। इसके अलावा 15 करोड़ रुपए की लागत से तैयार ट्रेनिंग एंड इम्प्रूवमेंट, 40 करोड़ रुपए की लागत से तैयार रेडियोलॉजिस्ट्स, 40 करोड़ की लागत से तैयार रेडियोलॉजिस्ट्स व 100 करोड़ की लागत से तैयार डॉक्टरों के आवास का भी उद्घाटन होगा।

## स्वास्थ्य मंत्रालय की टीम ने लिया 9 घंटे एम्स की व्यवस्थाओं का जायजा

कायाकल्प स्कीम के तहत पिछले साल 8 फरवरी को साफ-सफाई में प्रशस्ति पत्र और 2017 में एम्स को कायाकल्प स्कीम में चौथा स्थान मिला था

हेल्थ रिपोर्टर जोधपुर। कायाकल्प स्कीम के तहत स्वास्थ्य मंत्रालय की तीन सदस्यीय टीम ने मंगलवार को करीब 9 घंटे में एम्स जोधपुर का निरीक्षण किया। इसी के साथ केंद्र के सभी बड़े अस्पतालों का निरीक्षण शुरू हो गया है। टीम सभी अस्पतालों को अलग-अलग पैरामीटर्स पर परखेगी। टीम ने एम्स की सभी छोटी से छोटी जगह की साफ सफाई और उसके उपयोग का निरीक्षण किया।

टीम ने सुबह से एम्स के प्रत्येक वार्ड, ओटी, आईसीयू, गार्डन एरिया आदि का निरीक्षण किया। साथ ही अस्पताल में इन्फेक्शन कंट्रोल के इंतजाम आदि भी देखे। टीम ने अस्पताल सपोर्ट सर्विस, सेनिटेशन एंड हाइजीन, वेस्ट मैनेजमेंट आदि के उपलब्ध संसाधनों और निस्कारण की प्रक्रिया देखी। टीम ने वार्ड में भर्ती मरीजों और उनके परिजनों से भी एम्स के बारे में और यहां की व्यवस्थाओं के बारे में जायजा लिया। गौरतलब है, कि पिछले साल 8 फरवरी को केंद्र की टीम ने एम्स जोधपुर की साफ-सफाई की व्यवस्था का जायजा लिया था और एम्स को प्रशस्ति पत्र दिया गया था। वहीं 2017 में एम्स को कायाकल्प स्कीम में चौथा स्थान मिला था।



एम्स में आई काया कल्प टीम निरीक्षण करती हुई।

इसके चलते उन्हें 50 लाख रुपए का इनाम भी मिला था। टीम में नेशनल इंस्टिट्यूट हेल्थ एंड फैमिली वेलफेयर से डॉ. टीजी श्रीवास्तव और डॉ. एनसी दास व प्रकाश रंजन एम्स के निरीक्षण के लिए आए। डॉ. श्रीवास्तव से निरीक्षण के संबंध में बात की तो उन्होंने कहा, कि यह निरीक्षण सरकार की ओर से बिल्कुल गोपनीय है, इसके बारे में हम कुछ भी नहीं कह सकते हैं। निरीक्षण कि रिपोर्ट स्वास्थ्य मंत्रालय में भेजी जाएगी, जिसके आधार पर रिजल्ट जारी होंगे। इधर एम्स के अधीक्षक डॉ. अरविंद सिन्हा ने बताया, कि टीम ने निरीक्षण कर व्यवस्था का जायजा लिया है। टीम ने करीब 9 घंटे एम्स के सभी जगहों का निरीक्षण किया।

## एम्स का पहला इंटर कॉलेज फेस्ट मार्च में

देश भर के स्टूडेंट्स लेंगे हिस्सा

4 दिन के फेस्ट में पोप्ट्री, सिंगिंग, विचज और स्पोर्ट्स कॉम्पिटिशन, स्टैंडअप कॉमेडी जैसे कई इवेंट होंगे

सिटी भास्कर | जोधपुर

दिल्ली, भोपाल और भुवनेश्वर जैसी मेट्रो सिटीज में होने वाले कॉलेज फेस्ट इस साल पहली बार जोधपुर एम्स में भी होने जा रहा है। एम्स जोधपुर की स्टूडेंट कार्डसिल की ओर से 1 से 4 मार्च तक होने वाले इस मेडि फेस्ट में देश भर के मेडिकल कॉलेज से पांच हजार से भी ज्यादा स्टूडेंट्स के हिस्सा लेने की उम्मीद है। इवेंट की तैयारियां अभी शुरू कर दी गई हैं। एम्स हॉस्पिटल में चल रहा ब्लड डोनेशन कैंप भी इसी के तहत आयोजित किया जा रहा है। यह ब्लड डोनेशन कैंप 25 जनवरी तक चलेगा। इवेंट के लिए फाइनंस, मैनेजमेंट और लिटरेरी के साथ



ही करीब आठ से दस डिपार्टमेंट्स बना कर जिम्मेदारियां बांटी गई हैं जिन पर काम भी शुरू कर दिया गया है। चार दिन चलने वाले इस फेस्ट में पोप्ट्री, सिंगिंग, विचज

और स्पोर्ट्स कॉम्पिटिशन, सेंट किलर, स्टैंड अप कॉमेडी जैसी एक्टिविटीज और म्यूजिक कंसर्ट के साथ ही पौधरोपण और गरीब बच्चों को सामग्री वितरण जैसे सामाजिक कार्य भी किए जाएंगे।

अभी तक एम्स जोधपुर में इंटर कॉलेज फेस्ट ही होते थे, लेकिन पहली बार इंटर कॉलेज फेस्ट हो रहा है। इसमें राजस्थान के साथ ही दिल्ली, पंजाब, हरियाणा, मध्य प्रदेश, उत्तर प्रदेश और गुजरात मेडिकल कॉलेज से स्टूडेंट्स भी हिस्सा लेंगे। राजस्थान में भी किसी मेडिकल कॉलेज का संभवतया यह पहला इतने बड़े लेवल का इवेंट होगा। चार दिवसीय यह फेस्ट पूरी तरह प्लास्टिक फ्री रहेगा।

दैनिक भास्कर

## आयुष्मान भारत योजना • डेटा अपलोड नहीं होने से राजस्थान के मरीजों को नहीं मिलेगा फ्री इलाज डायरेक्टर ने जारी किया पहला गोल्डन कार्ड, हरियाणा की रमनदीप कौर का होगा इलाज

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अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) में बुधवार से प्रधानमंत्री आयुष्मान योजना के तहत मरीजों को लाभ मिलना शुरू हो गया है। हालांकि प्रथम चरण में राजस्थान से बाहर के मरीजों को ही इस योजना में लाभ मिल सकेगा। एम्स डायरेक्टर डॉ. संजीव मिश्रा ने सुबह आईपीडी में भर्ती हरियाणा निवासी 22 वर्षीय रमनदीप कौर का आयुष्मान योजना में बनने वाला गोल्डन कार्ड जारी किया। एम्स के अस्पताल अधीक्षक डॉ. अरविंद सिन्हा ने बताया कि योजना की शुरुआत फिलहाल राजस्थान के बाहर के मरीजों के लिए एम्स जोधपुर में की गई है क्योंकि राजस्थान के निवासियों का डाटा अभी तक इस योजना के निर्धारित सॉफ्टवेयर में अपलोड नहीं हो पाया है। ऐसे में राजस्थान के लोगों को इस योजना का लाभ फिलहाल नहीं दिया जा सकेगा। मेडिकल कॉर्डिनेटर व काउंसिलर के डॉ. आलोक शर्मा ने बताया कि एम्स में ओपीडी की सेवाएं और होने वाली जांच योजना में शामिल नहीं हैं और केवल भर्ती मरीजों को ही इसका लाभ मिलेगा। रमनदीप कौर के हार्ट में बालू का ऑपरेशन एम्स जोधपुर में किया जाएगा। इस योजना के तहत बिल्कुल निशुल्क होगा। योजना की शुरुआत के समय डिप्टी डायरेक्टर पनआर विशनोई, रजिस्ट्रार मनीष श्रीवास्तव और उप अधीक्षक डॉ. महावीर रोधा भी मौजूद रहे।



एम्स में हरियाणा की 22 वर्षीय युवती रमनदीप को पहला गोल्डन कार्ड दिया एम्स डायरेक्टर डॉ. संजीव मिश्रा ने दिया।

ऐसे मिलेगा पात्र मरीजों को लाभ

प्रधानमंत्री आयुष्मान योजना गरीब और पिछड़ा वर्ग के उन लोगों के लिए उपयोगी है जोकि अज्ञानता और पैसे के अभाव में इलाज नहीं करा पाते हैं। इस योजना में आने वाले योग्य मरीजों का इलाज एम्स में पूरी तरह से निशुल्क किया जाएगा। इसका लाभ लेने के लिए मरीज को अपना कोई भी एक पहचान पत्र लेकर अस्पताल आना है। मरीज खुद भी आयुष्मान भारत की वेबसाइट पर जाकर यह देख सकता है कि वह योजना के लिए योग्य है या नहीं। यदि वेबसाइट में उसको योग्य बताया जा रहा है तो वह अस्पताल में आईपीडी के ग्रैंडड फ्लोर पर बने चार स्पेशल काउंटर पर जाकर आरोग्य मित्र से अपना वैरिफिकेशन करा कर गोल्डन कार्ड बनवा सकता है। इसके बाद पोएमजेवाई के अंतर्गत देश के किसी भी नेशनल मेडिकल इंस्टिट्यूट में निशुल्क इलाज ले सकेगा।

जोधपुर एम्स से एमबीबीएस कर निकले होनहारों से विशेष बातचीत

# जहां की पढ़ाई, वहीं बसने का इरादा

**जोधपुर.** अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर में साल 2012 में प्रवेश लेने वाले ज्यादातर विद्यार्थी जोधपुर एम्स में ही अपनी सेवाएं देने के इच्छुक हैं। इनका मानना है कि वे इतने साल यहीं पढ़े, यहां की व्यवस्था और भौगोलिक स्थितियों से वे भलिभाति वाकिफ हैं। इस कारण यहां से एमबीबीएस पास कर चुके कई विद्यार्थी अब यहीं से पोस्ट ग्रेजुएशन कर रहे हैं तो कोई यूएसए से पढ़ाई कर पुनः जोधपुर एम्स आकर अपनी सेवाएं देना चाहता है।



जोधपुर एम्स के प्रथम दीक्षांत समारोह में डिग्रियां प्राप्त करने के बाद कुछ यूं खुशी जाहिर करते एमबीबीएस स्टूडेंट्स।

मैं पीडियाट्रिक में पीजी कर रहा हूँ। बीकानेर का रहने वाला हूँ। मैं आगे यहीं रहूँगा। यहां हमारे लिए काम करने के लिए बहुत ज्यादा विकल्प है।



- डॉ. निखिल राजवरी,

टॉपर 2012 बैच, एम्स जोधपुर

मैं आगे एम्स पीजी के लिए यहीं पढ़ाई करूँगा। करीब तीन साल लगेंगे। यहां बहुत अच्छा इंस्टीट्यूट है। वैसे में रोहतक हरियाणा का रहने वाला हूँ।



- डॉ. अंकित ग्रेवाल,

2012 बैच, एम्स जोधपुर

मैं जनरल सर्जिकल पर पीजीआई चंडीगढ़ से पीजी कर रहा हूँ। उसके बाद यहां वापस कर सेवाएं देने का मानस है। यहां काम करने के लिए बहुत कुछ है।



- डॉ. धर्मन्द्र,

2012 बैच, एम्स जोधपुर

यूएसए की तैयारी कर रही हूँ। उसके बाद वापस यहीं आकर काम करना चाहती हूँ। मैं अपने इंस्टीट्यूट्स में आकर काम करूँगी। इस इंस्टीट्यूट ने हमें बहुत कुछ दिया।



- वृत्तिका केशरवानी

## कैप उछाल किया सेलिब्रेशन

दीक्षांत समारोह के समापन के बाद सभी एमबीबीएस पास किए चिकित्सकों ने परिसर के बाहर बरामदे में आकर कैप उछाल जश्न मनाया। इस दौरान सभी ने एक दूसरे को बधाई दी। इस दौरान सभी के साथ पैरेंट्स ने भी बच्चों के साथ खुशी जाहिर की। इस कार्यक्रम में एम्स ने एमबीबीएस 2012 बैच के 50 विद्यार्थी और

बीएससी नर्सिंग 2013 की 60 छात्राओं को डिग्री वितरित की गई। इसके अलावा टोमा इमरजेंसी, ऑकोलोजी, रेडियोलोजी विंग, आधुनिक भवन व ऑडिटोरियम भवन का भी लोकार्पण किया। इन कार्यक्रमों में गंधालय निर्माण प्रकल्प बीजेपी के प्रदेश प्रमुख राजेन्द्र बोरगाण व बीजेपी नेता शिवकुमार सोनी सहित कई लोग मौजूद रहे।

## जोधपुर एम्स के पहले दीक्षांत समारोह में बोले केंद्रीय स्वास्थ्य मंत्री जेपी नड्डा

# सभी एम्स एक जैसे होंगे, न कोई बड़ा ना छोटा

**जोधपुर @ पत्रिका.** देश के सभी 9 अखिल भारतीय आयुर्विज्ञान संस्थान में आने वाले समय में कोई फर्क नहीं होगा। सभी एम्स में एक जैसी पॉलिसी लागू होगी। एक एम्स के शिक्षक और छात्र दूसरे में और दूसरे के तीसरे में जाकर पढ़ाई और शोध कर सकेंगे। दिल्ली एम्स और नीति आयोग इस संबंध में नई पॉलिसी बना रहा है।

यह बात मंगलवार को जोधपुर आए केंद्रीय स्वास्थ्य मंत्री जेपी नड्डा ने जोधपुर एम्स के पहले दीक्षांत समारोह में कही। स्वास्थ्य मंत्री नड्डा ने कहा कि पूरे देश में एक जैसा एम्स कल्चर होगा। ना कोई एम्स बड़ा होगा ना कोई छोटा। भविष्य में खुलने वाले नए एम्स में भी यही पॉलिसी लागू होगी। नड्डा ने कहा कि देश में 2002 के बाद पहली बार 2017 में नई स्वास्थ्य पॉलिसी बनी है। 2002 की स्वास्थ्य पॉलिसी रोग



जोधपुर. एम्स जोधपुर का प्रथम दीक्षांत समारोह एम्स ऑडिटोरियम में आयोजित हुआ। समारोह के दौरान एम्स सभागार का उदघाटन करते मुख्य अतिथि केन्द्रीय स्वास्थ्य एवं परिवार कल्याण मंत्री जेपी नड्डा व अन्य। पत्रिका

केन्द्रित थी जिसमें केवल संबंधित रोग के संबंध में ही विरोधात्मक उपाय किए जाते थे। जबकि नई स्वास्थ्य पॉलिसी में प्रीवेंटिव, प्रोमोटिव और क्यूरेटिव तीनों तत्व शामिल किए गए हैं। स्वास्थ्य मंत्री ने गैर संक्रामक बीमारियों को स्वास्थ्य क्षेत्र के लिए सबसे बड़ी चुनौती बताया। उन्होंने एम्स जैसे संस्थानों



को इससे निपटने के लिए तैयार रहने को कहा। नड्डा ने कहा कि देश के सभी एम्स स्वास्थ्य क्षेत्र में लीडर की तरह हैं और उन्हें ही हर बीमारी पर काबू पाने में पहल करनी होगी। कार्यक्रम में विशिष्ट अतिथि कृषि राज्यमंत्री गजेन्द्रसिंह शेखावत, विधि न्याय व कॉर्पोरेट कर्य राज्यमंत्री पीपी

चौधरी, राज्यसभा संसदीय सदस्य नारायणलाल पंचरिया व रामनारायण डूडी और एम्स अध्यक्ष प्रो. एससी शर्मा ने अध्यक्षता की। निदेशक डॉ. संजीव मिश्रा ने एमबीबीएस प्रथम बैच व बीएसएसी प्रथम बैच के 110 विद्यार्थियों को डिग्रियां वितरित की।

परंपरागत मेडिसिन को जोड़ा

**मॉडर्न मेडिसिन से :** स्वास्थ्य मंत्री ने कहा कि केंद्र सरकार ने आयुर्वेद होम्योपैथिक, सिद्धा योग और युनानी चिकित्सा पद्धति को मॉडर्न मेडिसिन से जोड़ दिया है। इन चिकित्सा पद्धतियों को मुख्यधारा में लाने से अब उपचार की नई तकनीक और पद्धति उपयोग में लाई जा सकेगी।

**छात्रों को सीख :** नड्डा ने एम्स के छात्र-छात्राओं को आत्म सम्मान और आत्म संतुष्टि की सीख दी। उन्होंने कहा कि इनसे बड़ी चीज और कोई नहीं है।

**इनका किया लोकार्पण :** स्वास्थ्य मंत्री नड्डा ने 15 करोड़ रुपए की लागत से तैयार टोमा एंड इमरजेंसी, 40 करोड़ रुपए की लागत से तैयार रेडियोलॉजी, 40 करोड़ की लागत से रेडियोथेरेपी व 100 करोड़ की लागत से तैयार डॉक्टरों के आवास का भी लोकार्पण किया।

## रोबोट व आर्टिफिशियल इंटेलीजेंस से सर्जरी में बढ़ेगी सफलता की दर: डॉ. सक्सेना

पेरिसकॉन-2019: दूसरे दिन विशेषज्ञों ने रोबोट सर्जरी के बारे में बताया



हेल्थ रिपोर्टर | जोधपुर

इंपीरियल कॉलेज लंदन के कंसल्टेंट पीडियाट्रिक सर्जन डॉ. अमृत्यु सक्सेना ने कहा कि आर्टिफिशियल इंटेलीजेंस का उपयोग कर विभिन्न सर्जन के बीच की विविधता को दूर कर सकते हैं। आने वाले समय में आधुनिक रोबोट और आर्टिफिशियल इंटेलीजेंस से सर्जन को शरीर के महत्वपूर्ण अंगों व नसों के बारे में गाइडेंस के साथ चेतावनी भी दी जाएगी। इससे सर्जरी में समानता आएगी व सफलता की दर भी बढ़ेगी। वे एम्स शिशु सर्जरी विभाग की चार दिवसीय पीडियाट्रिक एंडोस्कोपिक कॉन्फ्रेंस पेरिसकॉन-2019 के दूसरे दिन शुक्रवार को डेलिगेट्स को संबोधित कर रहे थे। उन्होंने पेरिस ऑरेशन में संशुद्ध से लेकर रोबोट सर्जरी के बारे में जानकारी दी। दिल्ली से आए पीडियाट्रिक यूरोलॉजिस्ट डॉ. सुजीत चौधरी ने बताया कि ओपन सर्जरी, लैप्रोस्कोपी और अब रोबोट सर्जरी के बेहतर परिणाम सामने आ रहे हैं। अभी रोबोटिक सर्जरी को स्वर्ण मानक कहना ठीक नहीं होगा, क्योंकि जहाँ ओपन सर्जरी को करीब 250 साल हो चुके हैं, वहीं रोबोटिक सर्जरी



डॉ. सक्सेना।

को केवल 15 साल हो हुए हैं। यूके से आए डॉ. अशोक राजिमवाले ने बताया कि यूके से ज्यादा इंडिया में पीडियाट्रिक यूरोलॉजी रोबोटिक सर्जरी हो रही है, लेकिन यूके में इसकी सक्सेस रेट 100 प्रतिशत है और भारत में कम है। इसका प्रमुख कारण भारत में अधिक जनसंख्या व बीमारियों और विशेषज्ञ का कम होना है।



डॉ. सुजीत चौधरी। डॉ. राजीमवाले।

को केवल 15 साल हो हुए हैं। यूके से आए डॉ. अशोक राजिमवाले ने बताया कि यूके से ज्यादा इंडिया में पीडियाट्रिक यूरोलॉजी रोबोटिक सर्जरी हो रही है, लेकिन यूके में इसकी सक्सेस रेट 100 प्रतिशत है और भारत में कम है। इसका प्रमुख कारण भारत में अधिक जनसंख्या व बीमारियों और विशेषज्ञ का कम होना है।

### कॉन्फ्रेंस का औपचारिक उद्घाटन

एम्स डायरेक्टर डॉ. संजीव मिश्रा ने शुक्रवार को कॉन्फ्रेंस का औपचारिक उद्घाटन किया। इस दौरान उन्होंने पुणे समय में ओपन सर्जरी के बारे में बताया। आयोजन समिति अध्यक्ष डॉ. अरविंद सिन्हा ने कहा कि सामान्य लैप्रोस्कोपी सर्जरी के अलावा बच्चों में रोबोटिक सर्जरी मुख्य बिंदु है। कार्यक्रम संयोजक डॉ. मनीष पाठक, डॉ. राहुल सक्सेना व डॉ. अविनाश जाधव ने बताया कि कॉन्फ्रेंस में शनिवार को लाइव ऑपरेटिव वर्कशॉप होगी।

## स्वीडन की चिकित्सा मंत्री लीना हैलेनग्रेन ने एम्स की हेल्थ सेवाओं को देखा

## भारत व स्वीडन के बीच मेडिकल एण्ड हेल्थ सर्विसेज में साझा प्रयास होंगे



जोधपुर. दो दिन डिस्कशन के बाद एम्स जोधपुर के चिकित्सा अधिकारियों के साथ स्वीडन की मंत्री लीना हैलेनग्रेन व उनके दल के सदस्य।

### पत्रिका न्यूज़ नेटवर्क

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जोधपुर. भारत और स्वीडन के बीच मेडिकल एण्ड हेल्थ सर्विसेज में साझा प्रयास किए जाएंगे। दोनों देशों की सेवाओं व जरूरतें अलग-अलग हैं, इसलिए दोनों देश एक दूसरे की सेवाओं का आदान-प्रदान कर सहयोग करेंगे।

जोधपुर एम्स में स्वीडन के दल के साथ दो दिन तक चले डिस्कशन में स्वीडन की चिकित्सा मंत्री लीला हैलेनग्रेन व दल के सदस्यों ने अनुभव शेयर किया। उन्होंने भारत में चलाए जा रहे छह एम्स समेत जोधपुर एम्स के नवाचारों की सराहना की और कहा कि इनोवेशन व तकनीक स्वीडन में भी फॉलो किए जाएंगे। पत्रकारों के साथ बातचीत में स्वीडन चिकित्सा मंत्री लीना हैलेनग्रेन ने कहा कि जोधपुर एम्स अस्पताल, लैब, पीडियाट्रिक, आंकोलॉजी में इनोवेटिव व अच्छी तकनीक काम ली जा रही है। यहां

की व्यवस्थाएं देखा अच्चा एक्सपीरियंस रहा। स्वीडन दल में शामिल क्रिलोस्का इंस्टीट्यूट स्वीडन के विनोद दिवान ने बताया कि स्वीडन के दल की यह विजिट दोनों देशों के बीच मेडिकल सेवाओं में साझा प्रयास एवं एक-दूसरे के सहयोग में कारण साबित होगा। उन्होंने बताया कि वर्ष 2009 में दोनों देशों के बीच मेडिकल एण्ड हेल्थ में एमओयू हो रहा है। वह एमओयू पूरा हो गया।

इसके बाद नई तकनीक और सेवाओं को लेकर दोनों देशों के बीच डिस्कशन चल रहा है। इसी सिलसिले में स्वीडन के दल ने जोधपुर एम्स की सेवाओं व इनोवेशन को देखा। दोपहर में दल रवाना हो गया। इससे पहले दल ने रविवार सुबह एम्स निदेशक डॉ. संजीव मिश्रा, अस्पताल अधीक्षक डॉ. अरविंद सिन्हा, एकेडमिक डीन डॉ. कुलदीपसिंह सहित अन्य अधिकारियों के साथ कुछ अन्य

बिन्दुओं पर वार्ता की और उनके साथ जाकर एम्स की ओर से कैरु में संचालित पीएचसी की व्यवस्थाएं भी देखीं। गौरतलब है कि स्वीडन की हेल्थ एण्ड सोशल अफेयर्स मंत्री लीना हैलेनग्रेन अपने तीस सदस्यीय डेलिगेशन के साथ शनिवार को जोधपुर पहुंची थीं। स्वीडन मंत्री ने एम्स अस्पताल, यहां चलाई जा रही चिकित्सा सेवाओं, ओपीडी व्यवस्था आदि को देखा। दल ने एम्स में लैब एवं रिसर्च में काम ली जा रही आधुनिक मशीनरी, उपकरणों, एमआरआई को देखा, उसके उपयोग के बारे में भी पूछा। दल ने एम्स में पीडियाट्रिक, वृद्धजन के इलाज के लिए क्या-क्या तकनीक इस्तेमाल की जा रही है और इसमें किस तरह अनुसंधान चल रहा है, के बारे में भी जाना।

खबर के संबंध में अधिक जानकारी के लिए देखें वीडियो

<http://bit.ly/2NnTS2O>

## 19 साल के युवक की रीढ़ की हड्डी में था 80 डिग्री का कर्व, 21 स्क्रू लगाकर किया ठीक

## जोधपुर एम्स में स्कोलियोसिस का पहला ऑपरेशन, 7 दिन रहेगा ऑब्जर्वेशन पर

हेल्थ रिपोर्टर. जोधपुर | 19 साल का नागौर निवासी राजू (बदला हुआ नाम) अब सामान्य युवकों की तरह चल-फिर सकेगा। 10 साल की उम्र तक सामान्य बच्चों के तरह खेलने-कूदने वाले राजू की रीढ़ की हड्डी टेढ़ी हो गई थी और अब उसे सांस लेने में भी परेशानी हो रही थी। एम्स जोधपुर के आर्थोपेडिक विभाग में उसकी रीढ़ की हड्डी को सीधा करने सफल ऑपरेशन किया। स्कोलियोसिस का एम्स में यह पहला ऑपरेशन है। परिजन उसे जोधपुर एम्स में अक्टूबर, 2018 में आए। जहां आर्थोपेडिक स्पाइन सर्जन डॉ. नीतेश गहलोत ने जरूरी जांचें कराईं। जांच में सामने आया कि रीढ़ की हड्डी का कर्व 80 डिग्री था। उम्र बढ़ने के साथ ही मरीज को अब सांस लेने में भी दिक्कत होने लगी थी। डॉ. गहलोत ने युवक का ऑपरेशन कर रीढ़ की हड्डी सीधी की है। डॉ. गहलोत ने बताया कि मरीज को स्कोलियोसिस बीमारी है। जिसको परिजनों ने 10 साल की उम्र से नोटिस किया था लेकिन अधिक पैसा और ऑपरेशन के दौरान होने वाली रिस्क को देखते हुए परिजनों ने ऑपरेशन नहीं कराया। डॉ. गहलोत ने बताया कि ऑपरेशन जटिल था, क्योंकि हड्डी को सही करते समय स्पाइनल कोड व नसों को नुकसान होने



ऑपरेशन से पहले

ऑपरेशन के बाद

का खतरा था। इसलिए न्यूरो मॉनिटरिंग मशीन से मरीज के ऑपरेशन के दौरान नसों आदि को मॉनिटर किया गया। स्पाइन के 10 लेवल पर करीब 21 स्क्रू लगाकर रीढ़ की हड्डी को सीधा किया गया। मरीज अभी सात दिन से आब्जर्वेशन में रखा गया है। एम्स आर्थोपेडिक विभाग में अब तक 80 स्पाइन केस हो चुके हैं। डॉ. गहलोत के साथ डॉ. भरत शर्मा (एस आर), डॉ. कुणाल (जे.आर) ने ऑपरेशन किया और एनेस्थिसिया विभागाध्यक्ष के डॉ. प्रदीप भाटिया, डॉ. भरत पालीवाल, डॉ. नरेन्द्र क्लोरिया ने सहयोग किया।



# मेडिफेस्ट 'ऑरा' आज से, पहले दिन होंगी बैटल ऑफ बैंड्स

मेडिफेस्ट की पूर्व संध्या पर इंग्लिश प्ले के साथ गौरी दिवाकर ने दी कथक की प्रस्तुति, 4 मार्च तक चलने वाले इस फेस्ट में मीडिया पार्टनर दैनिक भास्कर हैं



सिटी भास्कर | जोधपुर

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) जोधपुर में रंग-बिरंगे आर्ट एंड क्राफ्ट से हर कोना सज चुका है तो दूर तक रोशनी बिखेरती लाइट्स से मंच भी तैयार है। शुक्रवार से यहां शुरू होने जा रहा है उत्तर भारत का सबसे बड़ा मेडिफेस्ट 'ऑरा-2019'। इसमें, जोधपुर सहित देश के कई मेडिकल कॉलेजों से हजारों स्टूडेंट्स शामिल होने वाले हैं। इस फेस्ट में मीडिया पार्टनर दैनिक भास्कर है। 4 मार्च तक चलने वाले इस मेडिफेस्ट में जहां हर दिन लिटरेरी, फोटोग्राफी, आर्ट एंड क्राफ्ट और स्पोर्ट्स जैसे कई कॉम्पिटिशन होंगे तो सितारों की महफिल से सजी हर शाम भी होगी। औपचारिक शुरूआत की पूर्व संध्या पर ऑरा के डे जौरो से अनौपचारिक शुरूआत की गई जिसमें इंग्लिश प्ले 'ए वुमन अलोन' और स्पिक मैके आर्टिस्ट्स की कथक प्रस्तुति ने समां बांधा।

## डिबेट, एक्टिंग और डांस सहित कई कॉलेजों के बैंड करंगे रॉक

ऑरा के पहले दिन शुक्रवार को दिन भर कई एक्टिविटीज और कॉम्पिटिशन का दौर चलेगा। हिन्दी डिबेट, स्केचिंग, पोएट्री, मोनो एक्ट, क्रिएटिव राइटिंग, सोलो सिंगिंग और फिंगर पेंटिंग सहित कई कॉम्पिटिशन में मेडिकोज अपना हुनर दिखाएंगे तो वहीं शाम को बैटल ऑफ बैंड्स होगा। मेन स्टेज पर शाम 6.30 बजे से होने वाले इस इवेंट में कई कॉलेजों के बैंड्स के बीच मुकाबला होगा। परफॉर्मेंस के लिए सभी को निर्धारित समय दिया जाएगा, जिसके बाद अलग-अलग क्राइटेरिया के तहत इन्हें जज किया जाएगा।

## 'पुष्प की अभिलाषा' पर कथक से गौरी ने जगाया देश प्रेम



जोधपुर। 'मुझे तोड़ लेना वनमाली, उस पथ पर देना तुम फेंक... मातृभूमि पर शीश चढ़ाने, जिस पथ पर जावें वीर अनेक' राष्ट्रकवि माखनलाल चतुर्वेदी की इस कविता पर उस्ताद बिरमिल्ला खान पुरस्कार से सम्मानित कथक नृत्यांगना गौरी दिवाकर ने जब पैर थिरकाए तो पूरा ऑडिटोरियम तालियों की गड़गड़ाहट से गुंज उठा। ऑरा में गुरुवार को 'स्पिक मैके' की ओर से हुई इस प्रस्तुति में समीउल्लाह खान की गायकी और योगेश गंगानी के तबले की संगत दी। गौरी ने पहले तीन ताल धाट, आमद और परगामद में गणेश चंदना की प्रस्तुति दी। जिसके बाद 'बण-ठण आई श्याम प्यारी रे...' तुमरी नृत्य से खूब तालियां बटोरें। अंत में वंदे मातरम् के साथ प्रस्तुति का समापन किया गया। एम्स में स्टूडेंट्स वेलफेयर डीन डॉ. सुजीत घटक ने प्रोग्राम में बाहर से आए स्टूडेंट्स का वेलकम किया और कलाकारों को सम्मानित किया।

## जिंदगी की उलझनों से थकी शादीशुदा महिला की कहानी है 'ए वुमन अलोन'

'मातृस है मैं उससे 21 साल बड़ी हूँ लेकिन फिर भी उसे परख कर ले लगी हूँ क्योंकि मेरे पति ने मुझे महज घर का काम करने वाली मेड, बच्चों का ध्यान रखने वाली आया और बीमार भाई की सेवा करने वाली नर्स समझ लिया है। ना वो कभी पास बैठ कर मेरे हालचाल पूछता ना उसे मेरी खुशियों की फिक्र। लेकिन ये लड़का मुझे प्यार करता है सिनेरा और हर रोज घर के बाहर मेरा इंतजार करता है...' 38 साल की मरिया सिनेरा से ये बातें कह रही हैं लेकिन सिनेरा तो कोई है ही नहीं... महज एक काल्पनिक चरित्र है जो जिंदगी से थकी-हारी मरिया ने खुद ही गढ़ लिया है और पूरे दिन उससे बर्तावती रहती है। जब पति पत्नी को मरिया और लड़के के बारे में पता चलता है तो वो उसे घर में बंद कर चला जाता है और यहीं से शुरू होती है मरिया की निराशा... गुस्से... दर्द और घुटन की कहानी। आर्ट एंड कल्चरल सोसायटी द हर्ड बैल की ओर से 'ऑरा' के तहत एम्स ऑडिटोरियम में गुरुवार को इंग्लिश प्ले 'ए वुमन अलोन' मंचित किया गया। इटली के राइटर की लिखी और उम्मेद भाटी निर्देशित इस प्ले में मरिया की कहानी इतनी ही नहीं है, किरदार और भी हैं... दरवाजे पर खड़ा क्रेडिटर... अग्र फोन कॉल करता आदमी... चरित्रहीन देवर और इन सबके बीच बगैर परवरिश के रोते बच्चे। इन सबसे परेशान मरिया फर्श पर गिर कर रोने लगती है तभी वह स्टूडेंट दरवाजे पर आकर पूछता है- क्या मेरे साथ चलेगी मरिया? और वह चली जाती है, इसी के साथ नाटक का पाटापे हो जाता है। मरिया की भूमिका में पूजा जोशी, क्रेडिटर, पति और प्रेमी की भूमिका में जयंत कच्छवाहा और देवर की भूमिका में नवीन रतावा खूब उभरे।



स्वीडन और एम्स के बीच स्वास्थ्य सेवाओं को लेकर एमओयू की उम्मीद

# स्वीडन चिकित्सा मंत्री ने की एम्स के नवाचार की तारीफ



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जोधपुर. स्वीडन की हेल्थ एण्ड सोशल अफेयर्स मंत्री लीना हेलेनग्रेन ने तीस सदस्यीय डेलिगेशन के साथ शनिवार को जोधपुर एम्स में उपलब्ध चिकित्सा सेवाओं, ओपीडी व्यवस्था का जायजा लिया। दल ने लैब और रिसर्च में काम ली जा रही मशीनरी, उपकरणों, एमआरआइ को देखा और इनके बारे में जानकारी ली। दल ने पीडियाट्रिक्स, वृद्धजन, क्रॉनिक पैन, कैंसर, ऑपरेशन पैन को कम करने के लिए इस्तेमाल की जारी तकनीक और अनुसंधान की तारीफ की।

एम्स निरीक्षण के बाद स्वीडन चिकित्सा ने एम्स के निदेशक डॉ. संजीव मिश्रा सहित अन्य एम्स अधिकारियों के साथ बैठक की और दल में शामिल सदस्यों ने चार समूह में एम्स मेडिकल कॉलेज के विभागों में पब्लिक हेल्थ एण्ड इन्फेक्शन कंट्रोल, शैक्षणिक व रिसर्च की प्रक्रिया को समझा। एम्स के एकेडमिक डीन डॉ. कुलदीपसिंह ने बताया कि स्वीडन की मंत्री और दल के सदस्य रविवार को भी जोधपुर



रहेंगे और एम्स की चिकित्सा एवं वेलफेयर सेवाओं को देखेंगे। उम्मीद है कि स्वीडन की चिकित्सा मंत्री की ओर से एम्स के साथ स्वास्थ्य संबंधी कुछ साझा कार्यक्रम चलाने पर सहमति दी जा सकती है। यहां

मेडिकल डिवाइस स्टार्टअप आदि को लेकर स्वीडन के दल की ओर से एम्स के साथ एमओयू हो सकता है। गौरतलब है कि कुछ समय पहले स्वीडन के दल ने केरू पीएचसी का निरीक्षण किया था।

## दल ने उम्मेद भवन देखा

स्वीडन के चिकित्सा मंत्री व दल ने शनिवार शाम उम्मेद भवन पैलेस देखा। इससे पहले एम्स की ओर से दल के सभी सदस्यों को स्मृति चिह्न प्रदान किए गए।