

SHYAM LAL SAKSENA MEMORIAL AWARD
Dr. T. Samraj, FAMS

**TRANSITION OF HISTOLOGY PRACTICALS TEACHING
FROM LIGHT TO VIRTUAL MICROSCOPIC METHOD**

ABSTRACT

Teaching of histology practicals for First year BDS / MBBS students is carried out by light Microscopy using Microscopes. The Penang International Dental College, Salem has moved over to Virtual Microscopy using Monitors/ Computers / Trinocular microscope with CamerajVideo.

In Virtual Microscopy, LCD square Monitors are used to avoid elongation of the Microscopic Pictures. The Microscopic Pictures are photographed and stored in the computer, using digital camera, thereby eliminating the use of Microscopes and glass slides. Videos of Microscopic structures are taken using the video camera.

Virtual Microscopy eliminates the use of Microscopes and glass slides. It maintains good quality Pictures of slides, available readily as Microscopic structures in the computer. The students are provided with a pen drive containing all the slides which are to be taught as microscopic pictures, Videos, drawing pictures and important points, in that order, to facilitate their study and revision.

It is observed that the practical classes are very fast and student friendly, which benefits both students and teachers. Conducting the final University examination has become quite easy and accurate. We have also started using it to teach osteology, in addition to using it for lecture classes and tests.