

SURGICAL MICROSCOPE



We are a Premier institute in the country. The institution is 33 years old and the department has been in existence since its inception. The graduate program in Conservative Dentistry and Endodontics, leading to the degree of Master of Dental Science was initiated in 1996.

You are looking at the one of the most advanced state-of -the -art department in the country. This will serve as a 'One source of reference' for all details of the department. The department runs several well structured programs which are designed to the most advance curriculum in the country be in academic, research and clinical. The center of Excellence award was given in the year 2014.

With advancements being the pinnacle of Dentistry , Endodontics combined with microscopes provide for better treatment for patients and a whole new methodology of diagnosis and treatment planning for students. Making the right diagnosis to providing state of the art treatment for every patient being the motto . Carl Zeiss Microscope being the pre-eminent in the field of microscopes. The Department of Conservative Dentistry and Endodontics consists of 30 Microscopes from CARL ZEISS with attached Digital Cameras and monitors.

Providing advanced equipment's for students to obtain impeccable skills in providing sophisticated treatment for patients as always been the top priority of the institution. In this current day scenario documentation is a matter of greatest importance. Microscopes with attached camera and a monitor for better visualization enable's the student to document the procedure with high level of clarity and accuracy. The patient can also visualize the procedure being done live on the TV monitor.

Procedures done under the microscope are mainly Root canal treatment and microsurgical procedures. Root canal is an enigma and it's made possible with the use of microscope to access, locate and treat the tooth completely with lesser or rather no failures. Surgical procedures being performed with minimal exposing field under the microscope provides for better prognosis and success rate. Microscope light source has orange and blue filters that are used based on the required procedure. From naked eye vision to 0.4, 0.6, 1.0 ,1.6,2.5 X magnification, with an overall 21X magnification.

Every postgraduate is trained to use the dental loupes followed by the use of microscopes thereby making the transition a smooth and reliable process. Use of microscope not only benefits the clinician and the patient, it also promotes ergonomics, which is very much required in the field of dentistry. Year after year Micro endodontic courses , workshops , pre-conference courses are for the benefit of private practitioners and student exchange programs to enable other college post graduates to make use of our facilities and there by promoting knowledge and seeding the desire to use advanced equipment's.

