

HARD TISSUE LASER



Light Amplification by Stimulated Emission of Radiation (LASER) has made giant strides in dental practice over the years, owing to its innumerable advantages. The minimally invasive laser system with cutting-edge technology redefines the patient's experience in the best possible way. Clinically, based on the depth of tissue penetration, lasers are classified as hard tissue and soft tissue lasers. Among the various hard tissue lasers available, Er:Cr:YSGG is considered to be the laser of choice for dental hard tissue treatments. We, at Saveetha with great pride house one of the most advanced and leading laser systems across the globe, the **“BIOLASE WATERLASE IPLUS” (Er,Cr:YSGG-2780nm)** which is FDA approved along with other hard tissue lasers available at the institution. This laser system is incorporated in varied clinical scenarios such as osteoplasty, osseous recontouring, ostectomy, osteotomy and osseous crown lengthening. Besides, it is also effective for periodontal procedures such as removal of subgingival calculus, granulation tissue from bony defects, and highly inflamed edematous tissue from the periodontal pockets. It also confers its advantages over soft tissue procedures which include incision, excision, vaporization, and coagulation, and over endodontic surgeries, and root canal disinfection after endodontic instrumentation. The advantages of lasers over conventional modalities include limited post-operative pain, faster recovery, bactericidal properties, bloodless and suture operative field. Hence the students at Saveetha gain a piece of in-depth knowledge and hands-on over this state of the art technology which has

the above said applications to its credit across the branches of dentistry. Dentistry and dentists have been at the forefront of inventions from time immemorial. Thereby this necessitates the dental practitioners to stay updated and acquainted with all the recent advancements for a successful practice. It gives us immense pleasure to state that we are one of the very few institutions having such world-class laser systems in our practice. Hence, having received thorough training with such world-class equipment and technology at our esteemed institute, we take pride in saying that our students have continued to excel and enhance their clinical practice over the years.

