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**DENTISTRY & DENTAL MATERIALS**  
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**Laser Dentistry**

Laser dentistry is the use of lasers to treat a number of different dental conditions. It became commercially used in clinical dental practice for procedures involving tooth tissue in 1989. Laser dentistry potentially offers a more comfortable treatment option for a number of dental procedures involving hard or soft tissue compared to drills and other non-laser tools. LASER stands for "light amplification by the stimulated emission of radiation." The instrument creates light energy in a very narrow and focused beam. This laser light produces a reaction when it hits tissue, allowing it to remove or shape the tissue. According to the clinical use in dentistry we know soft-tissue, hard tissue, and so called all-tissue lasers. Laser dentistry is used in a variety of procedures, including treating hypersensitivity; treating tooth decay; treating gum disease; whitening teeth ; minor excision surgery and cosmetic procedures such as correction of gummy smile. Lasers can make dental treatments more efficient, cost effective, and comfortable.

**Keywords:** Laser dentistry, Hard tissue Laser, Soft tissue Laser

**Biography:**

**Dr. Shifa Saleem**, graduated from PMS college of Dental Science and Research, University of Kerala in 2010, she obtained her Diploma in Laser Dentistry from the University of Genoa , Italy. She holds a certificate in Implant Dentistry [2015], by the University of Berne , Switzerland and is also a Diplomate in Infection Control [2019] from Notting hill College , UK.