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Title: DENTBEAM: A RAY OF LIGHT!!

Abstract:

The realms of medicine, industry, and research have undergone tremendous transformation since the discovery of lasers. Using lasers in dentistry requires a deep comprehension of both the physics and the biological implications. In the discipline of dentistry, laser dentistry has extended treatment options and created new opportunities. Research has led to the widespread usage of lasers even during the pandemic, as they are less likely than drills to cause aerosol contamination. When applied at low doses and with the least amount of energy, lasers exhibit biomodulation. These lasers are used for a sort of treatment known as Low Level Laser Therapy, or photo biomodulation. It has been discovered that this type of treatment is more beneficial than traditional high-power lasers in several dental specialties. LLLT promotes oxidative phosphorylation in mitochondria, which quickens the healing process after wounds.

Additionally, the gadget has anti-inflammatory and analgesic properties. Therefore, any practitioner doing soft- and hard-tissue dental operations must acknowledge and support the use of lasers as a compatible and alternative technique achieving primary goal of patient comfort.

Biography

Dr. Lipika Gopal did her BDS from SRM Dental college, Chennai and MDS from Manav Rachna Dental College. She is a certified Oral Implantologist having completed 1year course from Dentsply. She has an associate fellowship degree of laser specialization from WCLI, USA to her credit. She has been a speaker at the World Dental & Oral Health Congress conference, London in 2019. Dr.Lipika has been awarded as "Young Researcher Award" at the International Award of Excellence and Asia Dental Awards 2020.