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Diode lasers in dentistry - The one tool to cure them all

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The diode laser has become an important tool in the dental armamentarium due to its exceptional ease of use and affordability. It also has key advantages with regard to periodontal treatment. The diode laser is well absorbed by melanin, hemoglobin, and other chromophores. Diode lasers can be used for a multitude of dental procedures which are predominantly soft tissue procedures and include gingivectomy/gingivoplasty, excision of lesions, incision/excision biopsies, frenectomy, removal of hyperplastic/granulation tissue, second-stage recovery of implants, guided tissue regeneration; treatment of periodontal disease, aphthous ulcers, herpetic lesions, leukoplakia, lichen planus and cosmetic procedures like depigmentation and given good results. Advantages of lasers over surgical procedures include-dry and bloodless surgery, instant sterilization of the surgical site, reduced bacteremia, reduced mechanical trauma, minimal postoperative swelling and scarring and minimal postoperative pain. This case series describes few of the various soft tissue procedures that were performed with Biolase 940 nm diode laser.

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Dental implant success and failure; what should you know before placing dental implants?

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Dental implant placements are increasing worldwide. The success of dental implant depends on several factors. The dentist should be familiar with all the aspects that lead to a successful implant before placing them. Dental implant success depends on different factors. Patient, surgeon, and the clinical protocol are the main factors in dental implant. Patient psychological status and systemic conditions play an important role in implant placement. Also, planning the procedure by the dentist before the surgery taking into the consideration, the surgical and the prosthetic plans are crucial factors in implant success.

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