Laserology From Fundamental Principles to Clinical Implantology

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Implantology has become a treatment modality with high acceptance and success rate in the past few decades. The use of lasers in implant dentistry has expanded and improved certain treatment options for clinicians who have adopted the technology. At present, wide varieties of procedures are carried out in a painless and comfortable way using lasers. The laser is an extremely useful piece of equipment for the implant dentistry and is rapidly becoming an essential component of modern implant practice.

Laser can be classified based on the wavelengths and tissue on which it acts. All available dental laser wavelengths cannot be used in every dental implant situation. The dentist must fully understand the characteristics, merits and demerits, and applicability of the available lasers. The practitioners must undergo proper training, before incorporation of laser technology in their practice. The aim of my oral presentation is to discuss laser basics, laser hazards, how to avoid these hazards, and show many of its clinical applications in implantology.

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