

LOW LEVEL LASER THERAPY AND ITS HIGH END APPLICATIONS IN DENTISTRY – A REVIEW

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ABSTRACT

These unique characteristic makes the Laser useful for commercial and medical application. An understanding of the optimal therapeutic effect results when the wavelength best absorbed by the target tissue is selected for use, However the choice of the best laser for certain procedure depends on much more than just matching emission spectra of Laser to absorption spectra of tissue. The versatility of the instrument combined with latest achievement in Laser technology, compact design and affordability should appeal to dental professional seeking to optimize the procedure they currently perform and expand the number of service they offer. Taking into consideration the effects of the laser treatment, such as activation of microcirculation, production of new capillaries and thickening of the capillary net, anti-inflammatory, analgesic effect, stimulated growth and regeneration of cells, and accelerated bone consolidation, following the need for incorporating non-invasive methods for minimizing the pain and discomfort either during or after dental treatment, we consider that the use of Low level laser therapy is an excellent treatment option.

KEYWORDS: Spectra of Tissue, Anti-Inflammatory, Analgesic Effect, Stimulated Growth

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