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(57) Abstract :

IMPLEMENTATION OF LOW-LEVEL LASER THERAPY IN DENTISTRY A method for implementation of low-level laser therapy in dentistry. The method comprises a 5 dental prosthesis to be integrated into a cavity in a jaw bone of a specific patient defining a jaw cavity, inserting a tip of an optical fiber into the treatment liquid within the root canal, the optical fiber extending along a fiber axis. The alterations in photoacceptor function are the primary reactions and subsequent alterations in cellular signaling, and cellular functions are secondary reactions, wherein the depth of energy penetration is biased by several factors, 10 including wavelength, optical and temperature features, strength. Immersing at least a portion of the tip into a fluid reservoir located in the treatment pocket, the fluid reservoir holding a first fluid. Removing calculus deposits in or proximate the treatment pocket by pulsing the laser light source at an energy level from a pulse width.

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