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THE USE OF FIDELIS III LASER IN DENTAL THERAPEUTICAL PROCEDURES

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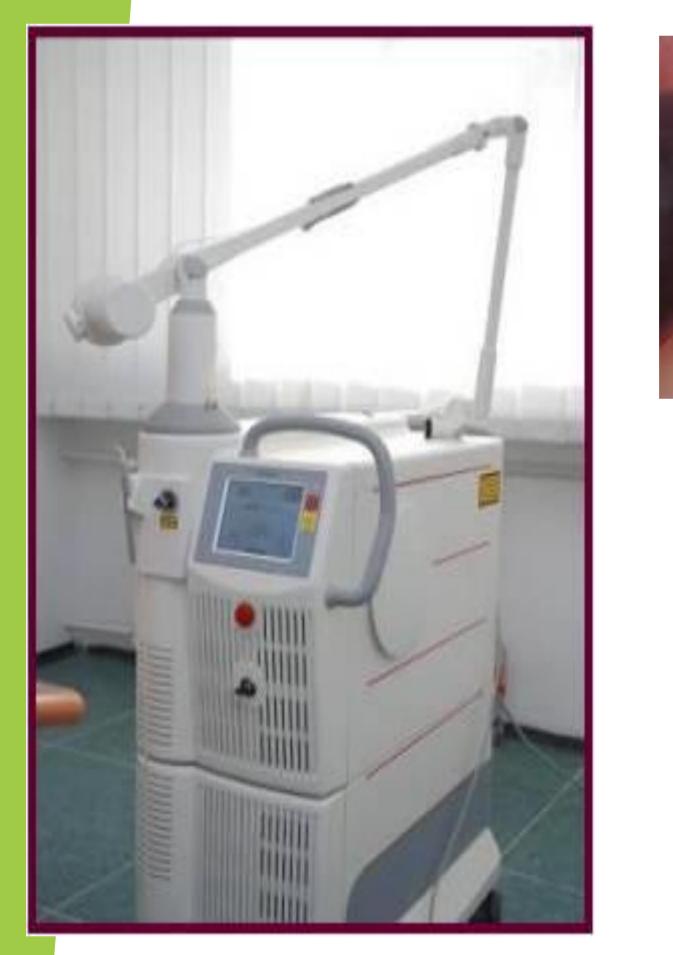
Following text are presented applicative performance of laser technology in conservative and endodontic therapeutic procedures through our research and experiences.

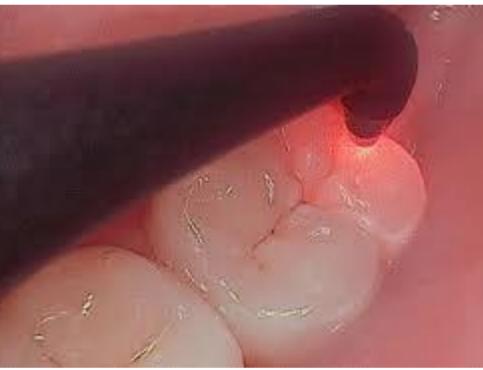


In order to achieve successful bleaching and ideal shade in relatively shortest period of time we had used Nd: YAG (neodium: Dzttrium-aluminum-garnet) laser, where by a fiber - optic manual supplement through which emits laser iridation accelerates. Finally, the effect of laser bleaching is a maximum, and patients are satisfied and more self-confident.



Laser beam





The activity- mechanism of this laser is based on the specific thermomechanically removal of caries process without warming and thermal damage of enamel and dentine, and at the same time sterilization and bacterial destruction is performed through permanent



Intense hypersensitivity on dental surfaces, usually in the gingival third of the tooth crowns, is one of the most uncomfortable manifestations in the oral environment typical for all age groups. **Positive effects of laser is that performs** obturation and obliteration of dentin

vaporization of the intracellular fluid. When preparations of caries defects is made by laser light, that intervention is without pain and pressure, with cutting out of hard dental tissues, patient discomfort is minimal, the use of anesthesia it is not necessary. Most importantly, precise and direct contact with the target tissue is very important because caries is removed just from affected areas without possibility of involvement of healthy dental tissue. During laser cavity-preparation positive effect is achieved in the context of conditioning and preparation of the enamel surface for further restoration with athesive systems and composite resins, and also sterilization and opturation of dentine tubules is one of the adventages of this preparation.



tubules, accompanied by their disinfection and sterilization hypersensitivity on dental crowns nowadays should be past.



Neodymium-aluminium-garnet laser is a new modality in endodontic therapy procedure that allows efficient sterilization and disinfection and removal of smear lear, confirmed by a lot of experts in Endodontics. Neodiumot has the ability to act on chromatofors (its activity demonstrates on colored materials, pigments and this feature is used in endodontic therapy). Using laser treatment sterilization the endodontic tretman was quiucker, which is a positive situation for both the patient and therapist. Laser therapy reduces subjective symptoms and calms down the clinical manifestation and most importantly patients during therapy will not fill pain and any discomfort.