

LASERS in dentistry

Introduction

The use of lasers in dentistry enables dental care and treatments that are faster and less painful, as well as reducing the need for traditional “drills”. They may be employed on hard tissue (teeth and bones) as well as on soft tissue (gums and gingival mucosa).

Indications

Lasers may be used in almost all branches of dental care:

- restorative dentistry
- endodontics
- periodontology
- oral surgery
- implantology

Advantages

The main advantages are that they are easy to use, painless, rapid and more comfortable for the patient. In most cases, lasers reduce or completely eliminate the need to use drills and scalpels or even local anaesthetic.

Thanks to lasers, for instance, tooth decay may be completely removed without even touching the tooth. And since they are endowed with antimicrobial agents, they may be successfully used to treat deep pockets and infected root canals. In oral surgery and implantology, they reduce the risk of bleeding.

Finally, laser biostimulation may be used to treat oral pathologies such as ulcers and viral infections (Herpes simplex).





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