

# LASER IN DENTISTRY

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## Patient Information: Empower You To Make Informed Decision



The dental lasers from is the most advanced treatment for soft tissue procedures, the special wavelength has high absorption in water and haemoglobin combines precise cutting properties with immediate coagulation. With 10KHz frequency, it can cut the soft tissue very fast and smoothly with less blood and less pain than ordinary dental surgery devices. Aside from an application in soft tissue surgery, it is also used for other treatments such as decontamination, biostimulation and tooth whitening.

### Advantages:

- Less and Sometimes No Blood Loss for Surgery
- Optical coagulation: Seal blood vessels without thermal cauterization or carbonization
- Cut and coagulate precisely at same time
- Avoid collateral tissue damage , increase tissue-protecting surgery
- Minimize post-operative inflammation and discomfort
- Controlled depth of laser penetration accelerated patient healing
- Increase patient turnover rates with more efficient laser procedures
- Reduce patient discomfort and the need for anesthetic
- Effective treatment of oral therapy
- Sensitivity is palliated quickly
- Dental cosmetic Usage, teeth whitening

### Disadvantages:

Cost more than conventional devices.  
The doctor need higher level of training.

### Periodontal procedures

- Sulcular debridement (removal of diseased, infected, inflamed, & necrosed soft-tissue in the periodontal pocket to improve clinical indices including gingival index, gingival bleeding index, probe depth, attachment loss, & tooth mobility)
- Laser soft-tissue curettage
- Laser removal of diseased, infected, inflamed & necrosed soft-tissue within the periodontal pocket
- Removal of highly inflamed edematous tissue affected by bacteria penetration of the pocket lining & junctional epithelium

### Dental cosmetics::laser teeth whitening

- Laser activated whitening/bleaching of teeth

### Soft tissue procedures

- Gingival troughing for crown impressions
- Gingivectomy & gingivoplasty
- Gingival incision & excision
- Soft-tissue crown lengthening
- Hemostasis & coagulation
- Excisional & incisional biopsies
- Exposure of unerupted teeth
- Fibromal removal
- Frenectomy & frenotomy
- Implant recovery
- Incision & drainage of abscess
- Leukoplakia
- Pulpotomy as an adjunct to root canal therapy
- Operculectomy
- Oral papillectomies
- Reduction of gingival hypertrophy
- Vestibuloplasty
- Treatment of canker sores, herpetic & aphthous ulcers of the oral mucosa

### Soft Tissue S

Laser is capable of creating precision cuts in gingiva and other soft tissues while also eliminating bleeding at the site and reducing the healing time for the patient.



### Endodontics

Laser can be effectively applied in germ reduction or pulpotomy. It stimulates tissue so the treated areas may heal more quickly.



### Periodontology

Periodontic germ reduction or Peri-implantitis requires the laser painless treatment and accelerate healthy tissue growth. Mercury portable laser can make your patients more comfortable and satisfied.



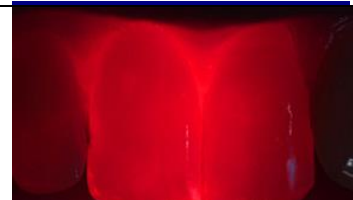
### Whitening

Laser teeth whitening is a safe procedure that is unlikely to cause serious side effects or Complications. Our device is definitely essential for your beautiful and healthy smile.



### Therapy

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Strict infection control: Disposable sectional optic fibre, autoclavable tips and handle.  
Versatile function: whitening head.

