PERIOLASE® MVP-7™
FDA CLEARANCES
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The PerioLase Nd:YAG Pulsed Dental Laser System is intended for use in a wide variety of surgical and non-surgical laser procedures including: True Periodontal Regeneration; True Bone Regeneration; tonsilotomy; treatment of hemangiomas; hemostasis; removal of fibromas, lesions, and polyps; removal of oral tattoos; and treatment of nail fungus.

GENERAL SURGERY

Open, laparoscopic, and endoscopic general surgery (ablation, vaporization, incision, excision, and coagulation of soft tissue). All soft tissue is included, striated and smooth tissue, muscle, cartilage, meniscus, mucous membrane, lymph vessels and nodes, organs and glands.

- Appendectomy
- Cholecystectomy
- Debridement of decubitus ulcers
- Hepatectomy
- Herniorrhaphy
- Lymphadenectomy
- Mastectomy
- Removal of fibromas
- Removal of lesions
- Removal of polyps
- Removal of tumors
- Resection of lipoma
- Splenectomy
- Thyroidectomy
- Tonsillectomy
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- Tonsilotomy
- Tumor biopsy
• **Periodontal regeneration** – true regeneration of the attachment apparatus (new cementum, new periodontal ligament, and new alveolar bone) on a previously diseased root surface when used specifically in the LANAP® Protocol *Original research provided*

• Abscess incision and drainage

• Aphthous ulcers treatment

• Biopsies, incisional and excisional

• Excision and ablation of benign lesions and conditions

• **Excision and vaporization of herpes simplex I and II**

• Exposure of unerupted / partially erupted teeth

• **Facilitation of subgingival calculus removal**

• Fibroma removal

• Frenectomy

• Frenotomy

• Gingival incision and excision

• **Gingival troughing for crown impressions**

• Gingivectomy

• **Gingivoplasty**

• Hemostasis

• **Hemostatic assistance**

• Implant recovery

• Incision of infection when used with antibiotic therapy

• **Laser-assisted new attachment procedure** (cementum-mediated periodontal ligament new-attachment to the root surface in the absence of long junctional epithelium)*Original research provided*

• Laser-assisted uvulopalatoplasty (LAUP)

• Lesion (tumor) removal

• **Leukoplakia**

• Modification of the dentin surface, including increasing the mineral and decreasing the organic composition of the dentin surface, reducing bacteria on the dentin surface, improving the shear bond strength of composite resin, reducing the adhesive failure of composite resin, and removing demineralized dentin surfaces

• Operculectomy

• Oral papillectomy

• **Pulpotomy**

• **Pulpotomy as an adjunct to root canal therapy**

• Reduction of denture hyperplasia

• Reduction of gingival hypertrophy

• Removal of filling material such as gutta percha or resin as an adjunct treatment during root canal retreatment

• Removal of post-surgical granulations

• Selective ablation of enamel (first degree) caries removal

• Soft tissue crown lengthening

• Sulcular debridement or soft tissue curettage (removal of diseased or inflamed soft tissue in the periodontal pocket) to improve clinical indices including gingival index, gingival bleeding index, probe depth, attachment level or loss, and tooth mobility

• **Tissue retraction for impression**

• Vestibuloplasty
DEMATOLOGY AND PLASTIC SURGERY

Dematology and plastic surgery (ablation, vaporization, incision, excision, and coagulation of soft tissue) including:

- Debridement of decubitus ulcer
- Hemangiomas
- Lesions of skin and subcutaneous tissue
- Periungual and subungual warts
- Photocoagulation and hemostasis of pigmented and vascular lesions, such as, but not limited to, port wine stains, hemangioma, warts, telangiectasia, rosacea, venous lake, leg veins, and spider veins
- Plantar warts
- Port wine lesions
- Removal of tattoos (oral)
- Spider veins
- Telangiectasia
- Treatment of keloids
- Treatment of mild to moderate inflammatory acne vulgaris
- Treatment of wrinkles
- Venous lakes

ENDONASAL SURGERY

Endonasal surgery (ablation, vaporization, incision, excision, and coagulation of soft tissue) including:

- Tonsillectomy
- Tonsilotomy
- Adenoidectomy
- Lesions or tumors of the oral, nasal, glossal, pharyngeal and laryngeal tissues

PODIATRY

Podiatry (ablation, vaporization, incision, excision, and coagulation of soft tissue) including:

- **Nail Fungus:** The PerioLase® MVP-7™ is indicated for use for the temporary increase of clear nail in patients with onychomycosis (e.g., dermatophytes Trichophyton rubrum and T. mentagrophytes, and/or yeasts Candida albicans, etc.).
- Matrixectomy
- Periungual and subungual warts
- Plantar warts
- Radical nail excision
- Neuromas