

MERCURY

Medical Diode Laser System



All-in-one Solution

- Flexible
- Reliable
- Competitive

PIOON LASER

As an innovative thinking medical laser company, Pioon is proud of our novel laser module technology and the adoption of the dynamic Internet technology. We are always striving to provide our customers with the most effective and safest solution for their clinical business, based on our accumulated insights and professional expertise in clinical medicine technology in the recent 15 years.



DELICATE CLINICAL SOLUTIONS

ENT Precision Microsurgery

Laser energy for ENT surgery can be used to vaporize, ablate and cut soft tissue while providing lateral thermal injury capable of coagulating blood vessels. Use in conjunction with the micro endoscope whether rigid or flexible, all options are available for safe and effective energy delivery.

The Mercury 980nm driven by the great absorption in soft tissue with the flexible ENT handpiece to finish the strong and deep coagulation to achieve the precision microsurgery.

- ✦ Middle ear surgery, stapedotomy
- ✦ Laryngeal cancer and cordectomy
- ✦ Oropharyngeal lesions, tumor
- ✦ Tonsillectomy
- ✦ Glossectomy
- ✦ Nasal septum, polyps, cysts
- ✦ Subglottic stenosis and lesions
- ✦ Tracheal stenosis and lesions
- ✦ Laser assisted Uvulopalatoplasty



ENT Handpiece



Tonsillectomy



Haemorrhoids Removal

Proctology

The Mercury 980nm have the ability to deliver high power energy through a flexible small diameter fiber facilitates and expand new treatment options for patients.

Endovenous Laser Therapy

EVLA allows minimally invasive treatment of varicose veins through a small puncture to get quicker healing and better outcome, without need for vein stripping and surgery.

The high water absorption with radial fiber formed the ideal Endovenous thermal ablation. This radial fiber provides 360 circular emission directly into the vessel wall to bring the optimal treatment, guided by the Vein Viewer, the procedure will secure the precise surgery delivery.



Radial Fiber

Before

After

Nail Fungus

Laser Toenail fungus laser removal is an effective treatment which eliminates unpleasant toenail fungal infection without causing injury or harming the skin around the infected toenail.

Through the excellent deep penetration to demonstrate superior, 980nm results in nail fungus removal, showing safety and efficacy without impacting other surrounding structures.



Focusing Handpiece



Nail Fungus

PLDD Minimally Invasive Laser Treatment

The treatment principle of Percutaneous laser disc decompression (PLDD) is based on the concept of the intervertebral disk being a closed hydraulic system for achieving decompression and neuro-modulation thereby relieving the pain.

The PLDD sets are compatible with the Mercury 980nm. Each physician could adopt this great tissue interaction system.



PLDD Set



Bare Fiber

Laser Lipolysis

Laser lipolysis is a therapeutic modality that is currently used to treat localized fat and sagging skin to promote cutaneous retraction with a shorter post-operative recovery time and fewer adverse effects, has fastest fat emulsification and very limited thermal damage.

The traditional wavelength 980nm is widely used because it can achieve a small thermal damage, as an adjunct therapy to liposuction, as well as for treatment of lipomas.



Lipolysis Handpiece



Before

After

TECHNICAL SPECIFICATIONS

Wavelength	810nm/980nm
Max Power	Up to 20W
Display/Control	7"HD vivid Touch-Screen/Smart OS
Aiming Beam	650nm<5mW
Fiber Connection	Medical fiber: 400µm, 600µm with standard SMA905 connector
Operating Modes	Continuous Wave(CW)/Pulsed
Power Supply	18VDC 5A
Battery Capacity	3500mAh
Dimension(L*W*H)	21cm(L) * 16.5cm(W) * 16(H)



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