

Nd:YAG Laser System **PY1000**

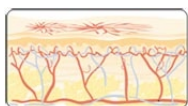
www.jhlaser.com

Features and Advantages

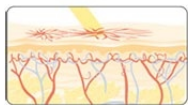
- Full Touch Screen Control Type
- Reliable Output Power and Stable Laser Beam Pulse Quality
- Quick Response to Changing Mode Selection and Configuration
- Normalization of Function Parameter and Shorten Internal Signal Processing

How does The Nd:YAG laser work?

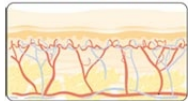
Laser light penetrates the skin, raising the temperature of the blood vessel and safely coagulating it. Treated veins gradually shrink and become less visible or disappear altogether. The laser allows for customized treatment of veins, including some of those that do not respond to other treatment methods.



Before Treatment



During Nd:Yag Laser Treatment



After Treatment



Therapy Scope

DERMATOLOGY/PLASTIC SURGERY

Photocoagulation:
Colored Vascular Lesions of Skin
(only if Argon Laser is unsuccessful)

DISCECTOMY

Percutaneous Lumbar Discectomy

GASTROINTESTINAL

Tissue Ablation:
Benign and Malignant Neoplasm, Polyps
Colitis, Ulcers, Aniodysplasia, Hemorrhoids

Hemostasis:

Varices, Esophangitis, Esophageal Ulcer
Mallory-Weiss Tear, Gastric Ulcers, Duodenal Ulcers
Non-bleeding Ulcers, Gastric Erosions

GENERAL SURGERY

Soft Tissue:
Skin Incision, Tissue Dissection,
Excision (external tumors and lesions)
Resection of Internal Organs (complete or partial)
Tumors and Lesions, Tissue Ablation, Vessel Coagulation
Vessel Coagulation

GENITOURINARY SURGERY

Ablation and Hemostasis:
Superficial Urinary Bladder Tumors
Invasive Bladder Carcinoma, Urethral Strictures
Lesions of the External Genitalia
Benign Prostatic Hyperplasia

GYNECOLOGICAL TISSUE ABLATION

Endometrial Ablation (menorrhagia)
Soft Tissue Excisional Conization, Submucous Fibroids
Polyps, Septa

NEUROSURGERY

Hemostasis

ORTHOPEDIC SURGERY

Soft Tissue (incision and excision): Knee, Shoulder

OTORHINOLARYNGOLOGY SURGERY

Soft Tissue:
Skin Incision, Tissue Dissection
Excision (external tumors and lesions)
Resection of Internal Organs (complete or partial)
Tumors and Lesions, Tissue Ablation
Vessel Coagulation

PROSTATECTOMY

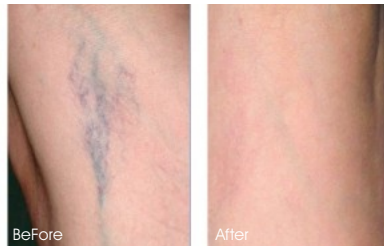
Soft Tissue Coagulation:
Benign Prostatic Hyperplasia (BPH Prostatectomy)
PULMONARY SURGERY

Palliative Treatment:

Benign and Malignant Pulmonary Airway Obstructions

Therapy Scope & Clinical Case Studies

Vascular Treatments



Skin Rejuvenation



Technical Specification

Laser Type	Nd:YAG laser
Laser Generator	four lamp doubling crystal laser generator
Q Switch Type	EO active Q switch technology
Wavelength	1064nm 532nm nm
Max Energy Output	800mJ(1064nm) 500mJ(532nm)
Control System	digital micro computer control system
Spot Size	1~5mm adjustable
Pulse Width	7ns
Laser Conduct	seven-joints articulated arm
Frequency	1HZ~10HZ
Cooling System	water cooling system
Body Material	ABS

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