

The neoV for PLDD

Your Choice for Percutaneous Laser Disc Decompression



Good things come in small packages and the neoV platform is no exception. This small, portable, superbly designed unit delivers a powerful and safe laser beam for your PLDD application.

The neoV 980 – World class design, performance and value.



SYSTEM

980nm wavelength
Up to 20 Watts of power
Wide selection of fibers

KITS

All in one surgical kit
Choice of 20G and 18G needles
Special PLDD adapter

DESIGN

World-class design
22cm x 22cm x 10cm
Only 3.5 Kg weight
Stable output power

EASE OF USE

Surgeon presets
Large high brightness color touch-screen
Easy one click fiber connection
Fully portable unit

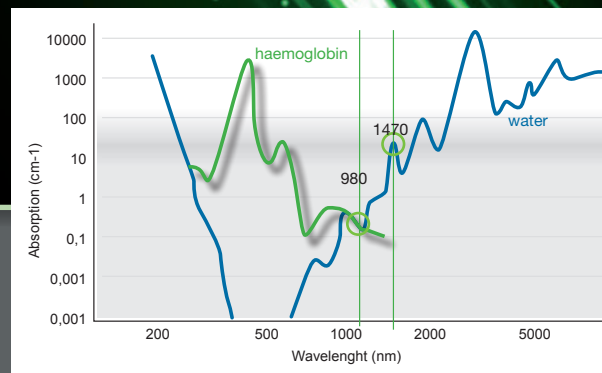
The neoV Laser The World's Smallest High Power laser

The neoV stands apart in terms of design and craftsmanship. Leveraging proprietary cooling technology the laser is a fraction of the size and weight of other surgical lasers at the same power levels, providing unparalleled flexibility.

The unit is controlled by a state of the art color touch screen. Individual pre-sets plus patented plug-and-play fibers will save precious time.

All-in-one surgical tool for your practice

The neoV980 lasers deliver a high power 20 Watt laser beam of 980nm energy, a wavelength with absorption in both water and hemoglobin, providing effective ablation and coagulation.



Procedure

PLDD is a minimally invasive procedure for treatment of herniated lumbar and cervical discs. It involves insertion of a micro-needle under X-Ray guidance into the disc nucleus. A fiber is then inserted through the needle and used to deliver laser energy to the nucleus. The delivered laser energy is vaporizing the material and reducing internal pressure: RELIEVING BACK PAIN.

Tissue Interaction

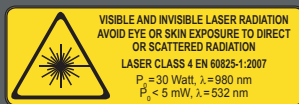
The neoV980 may be used for PLDD procedures. The 980 wavelength offers equal absorption by blood and water, enabling efficient and precise tissue ablation and coagulation as a multi-purpose surgical tool.

Kit Advantages

The neoLaser PLDD kit includes everything you need for a safe, effective and minimally invasive PLDD or Denervation procedure. The sterile kit includes a 400 micron bare fiber with jacket protection, 2 sizes of needles, 20G and 18G for your choice of entry, and a Y Connector allowing fiber entry and suction. The connector and needles are individually packed to enable maximum flexibility in treatment.

Procedure and Laser Advantages

The PLDD procedure offers a minimally invasive alternative for relieving back pain. The procedure kit enables microsurgery precision, tactile feedback from the fiber, quick recovery for the patient, and use of only local anesthesia. The laser special features include portability, ease-of-use, no maintenance or running costs, high reliability and stability.



Laser Specification	
Laser Wavelength	980 nm
Display / Control	Color Touch-Screen
Output Power (Laser)	20W
Aiming Beam	532 nm, adjustable
Fiber Connection	Proprietary
Operating Modes	CW, Pulsed
Power Requirements	19 VDC, 4.7 A
Dimensions (HxWxD)	10 x 22 x 22 (cm)
Weight (without case)	3.5 Kg

PLDD Kit	
Fiber	400 micron bare fiber 2.6m, sterile
Adapter	Special Y-Connector sterile
Needles	18 G Chiba Needle 20 G Chiba Needle