

# 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 1470 and neoV 980 – World class design, performance and value.



#### SYSTEM

- 1470nm (neoV1470) or 980nm (neoV980)
- Up to 28W at 980nm and up to 12W at 1470nm from Laser Head

#### 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 laser is a well known, safe and effective tool for PLDD.

The neoV1470 enables an innovative approach with higher precision and lower overall dosage.

### 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 thermally evaporates excessive fluid reducing internal pressure and relieving back pain.

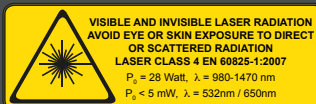
An innovative approach - using neoV1470 - is to treat the bulge itself rather than to vaporize the Nucleus Pulposus. The focused 1470nm wavelength results in a confined effect and an energy efficient procedure.

### Kit Advantages

The neoLaser PLDD kit includes everything you need for a safe, effective and minimally invasive PLDD procedure. The sterile kit include 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 offer 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                     | 1470nm |
| Display / Control     | Color Touch-Screen         |        |
| Output Power (Laser)  | 28W                        | 12W    |
| Aiming Beam           | 532nm or 650nm, 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    | 400micron bare fiber<br>2.6m, sterile |
| Adapter  | Special Y-Connector sterile           |
| Needles  | 18G Chiba Needle<br>20G Chiba Needle  |