LASER SMART^M NS

...BE SMART... START AND FEEL THE DIFFERENCE!



ALL - IN - ONE



PERCUTANEOUS LASER DISC DECOMPRESSION - PLDD PROCEDURE

PLDD (Percutaneous Laser Disc Decompression) is a minimally invasive procedure that falls into the category of Percutaneous intervertebral surgeries with the aim to significantly reduce the patient's pain and recover neurological deficit.

Percutaneous laser disc decompression (PLDD) is a type of surgery in which a laser probe is inserted into the intervertebral disc space under MRI or C-arm guidance and laser energy applied for achieving decompression and neuromodulation thereby relieving the pain.





PLDD is a minimally invasive procedure typically used to treat patients who have medium sized slipped discs. During the procedure a laser probe is inserted into the intervertebral disc space to beam energy at degenerated tissues. The aim is to vaporize unwanted disc material, around 20-30 mg, to reduce intradiscal pressure. This causes the disc hernia or protrusion to deflate and decompresses the nerve, ultimately relieving any pain or discomfort caused be the condition.

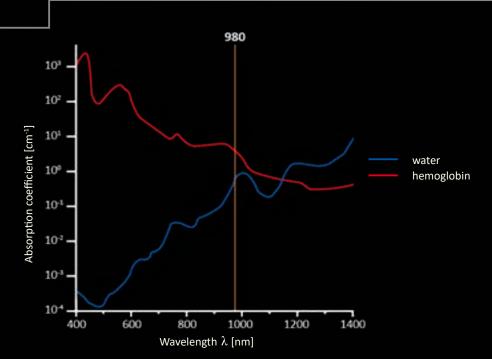
MINIMALLY INVASIVE LASER TREATMENT

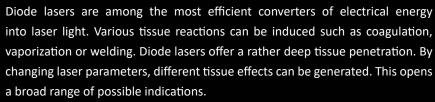
- Day case procedure
- Local anaesthesia
- More precise
- Less bleeding and pain
- Very minimally invasive
- Short time operation
- Excellent patient outcomes
- Minimal recovery time
- Minimal scar tissue formation
- Can be performed on an outpatient
- High success rate
- Can treat several intervertebral discs disorder at the same time
- Less or no complication after the surgery





WHAT WAVELENGTH IS RECOMMENDED?





SMART**NS1 is a laser system that incorporates a diode source with a wavelength of 980nm combining cutting edge technology with ease of use for effective minimal-invasive percutaneous disk compression. The 980nm laser radiation is perfectly absorbed by the hemoglobin and water allowing SMART**NS1 to evaporate and coagulate thanks to an optical and not thermal effect. The advantage of optical ablation is that it causes less harm to the surrounding tissue and creates a more solid and lasting haemostasias producing permanent results for the patient. SMARTM NS1 is a step forward in laser technology in the PLDD field allowing tissue vaporization, ablation and a controlled penetration depth.

WHY LASOTRONIX LASER?

- Over twenty years of experience in laser technology
- User friendly software
- Predefined therapy protocols which can be modified and assigned to a patient
- Lowest operating costs
- · Very compact and small-sized device
- Intuitive touch screen panel
- Multiple safety features
- Economical in use
- Low maintenance cost, highly reiable diodes
- Excellent prtable packing
- Comfortable workstation



TOUCH SCREEN INTERFACE



HANDY GRIP



ACCESSORIES



COMFORTABLE WORKSTATION





