

PLDD

Spectrum is the EUFOTON novelty that allows one to operate in the field of disc decompression (PLDD - Percutaneous Laser Disc Decompression) with two different wavelengths at choice selecting from the range of 940nm, 980nm, 1064nm, 1470nm and 1940nm wavelengths. According to the clinician's specific needs, two wavelengths can be emitted simultaneously.

INDICATIONS

PLDD is the utmost minimally invasive percutaneous laser technique in the treatment of the disc hernias, cervical hernias, dorsal hernias (except for the segment T1-T5), and lumbar hernias. The procedure uses the laser energy to absorb the water within the herniated nucleus pulposus creating a decompression.

TREATMENT

Local anaesthesia is performed. The nucleus pulposus of the affected intervertebral space is hit by a laser beam fired by an optical fiber inserted in a thin needle positioned under radiological control. From a clinical point of view the partial vaporization of the nucleus pulposus determines the decompression of the affected disc. The procedure target is to reduce the hypertension exerted by the herniated disc on the nerve root. This also limits the appearance of possible relapses that derive from only performing an ablation.

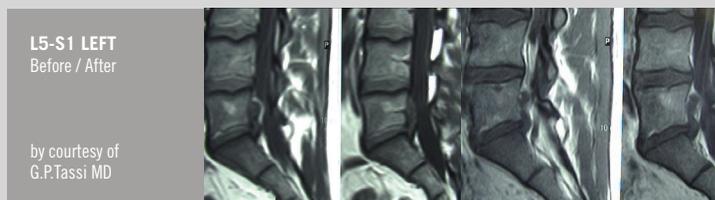
ADVANTAGES

- Excellent tissue interaction
- Mini-invasive percutaneous access
- Almost painless procedure
- Safe and fast surgical technique
- No recovery time needed

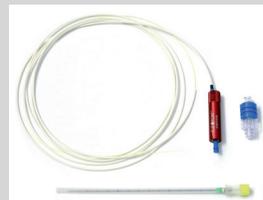
SAFE, EFFECTIVE, PROFITABLE.



CLINICAL RESULTS



ACCESSORIES



PLDD KITS

Kit with conical needle with radiopaque hub, handpiece marker and specific optical fiber.

Kit name	Optical fiber	Needle
PLDDKIT-10 Cervical	PLDD 300 micron optical fiber	18/20 G 10cm conical needle
PLDDKIT-15 Lumbar region	PLDD 300 micron optical fiber	18/20 G 15cm conical needle
PLDDKIT-20 Lumbar region	PLDD 300 micron optical fiber	18/20 G 20cm conical needle