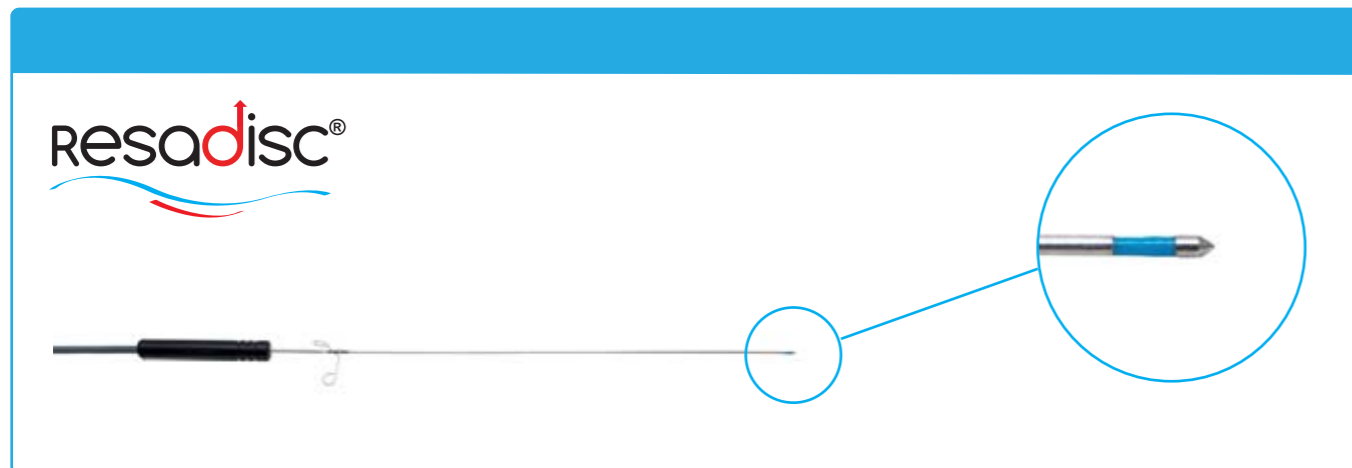


RESADISC® Device code: 2615007 model RDL-01

The Resadisc® RDL-01 kit is composed of:

- Bipolar electrode for disc decompression with safety device;
- 17G introducer needle;
- Nitinol guidewire;
- 11G Trocar cannula needle.

DEVICE



GRASPER Device code: 26283

Multi-use Grasper for microdiscectomy.



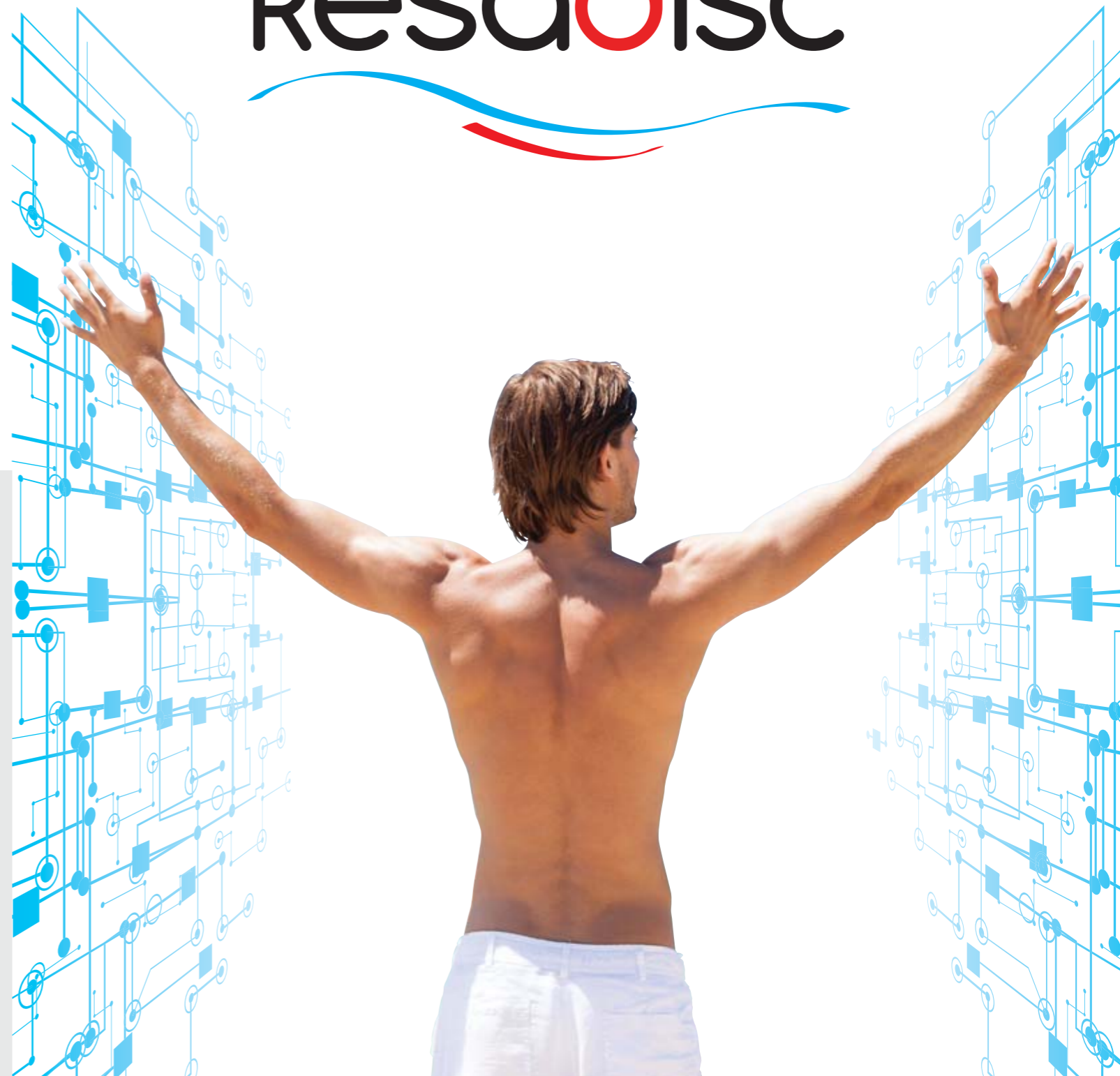
ACCESSORIES

RESABLATOR SMART Generator code: 2501033

Dedicated generator with Resadisc® automatic recognition and LCD display



Resadisc®



**THE INNOVATIVE SOLUTION
FOR DISC DECOMPRESSION**

VERTICAL
caring for the future

Vertical S.r.l.
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¹Quantum Molecular Resonance

rev. 01 (09/2017) ENG

VERTICAL
caring for the future

SAFE

- A therapy capable of preserving the structure of surrounding tissues
- **Accuracy of treatment:** decompression effect restricted to 1mm from the electrode

SIMPLE

- Minimally invasive **bipolar** device
- **Rapid** learning of the surgical technique

EFFICIENT

- **Reduced** operating times
- **Fast** resumption of normal daily activities

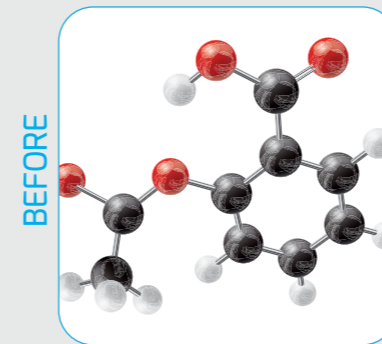
VERSATILE

- Capable of performing micro **discectomies** and biopsies
- Can be integrated with **endoscopic** technology

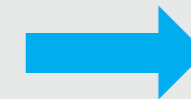
QUANTUM MOLECULAR RESONANCE®: Patented technology

The operating principle of the Resadisc® bipolar device is based on the innovative high-frequency QMR® (Quantum Molecular Resonance) technology. The combination of different harmonics (4,8,12,16 MHz) produces the exact energy required to break the molecular bonds in the nucleus pulposus, allowing disc compression to be performed. QMR® technology ensures extreme precision in treatment by localizing the area of operation to 1mm from the tip of the distal electrode.

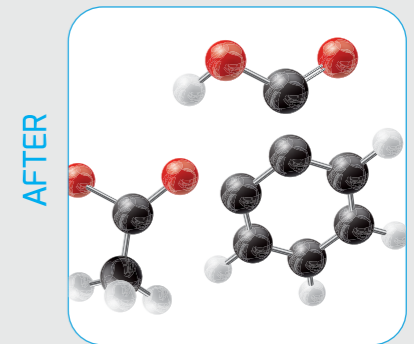
Complex molecular bonds with high volumetric index



Breaking of molecular bonds through QMR®



Simple molecular bonds with low volumetric index



INDICATIONS

The Resadisc® device allows the treatment of degenerative pathologies of the lumbar column such as:

- Disc protrusions
- Contained hernias
- Radicular pain caused by compression/nerve irritation

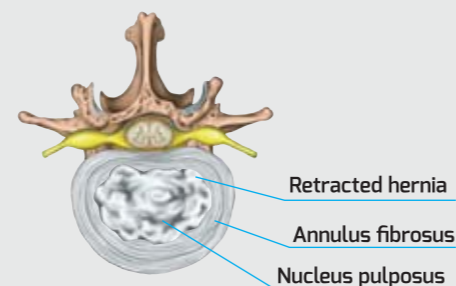
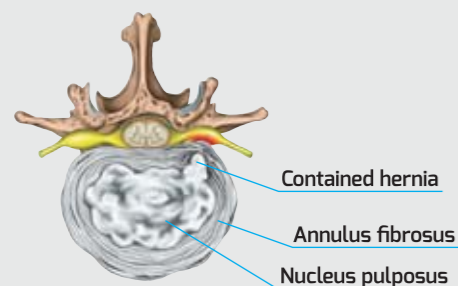
Pre-operative MRI



Post-operative MRI (Follow-up: 3 months)



L4/L5 and L5/S1 decompression



RESADISC LITERATURE AND STUDIES

Histological confirmation of the precision in treatment of disc decompression with the Resadisc® device: the cells surrounding the decompression channel are intact.

The decompression section is distinguishable on both post-operative CT scan and explanted disc.

Study on the efficiency of QMR® technology: "Disc decompression using a Quantic Molecular Resonance probe: observational prospective in-vivo study on animal model" [2015].

