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L' DISQ®

Lead to the disc cure spot

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U&J CORPORATION



WHAT IS L' DISQ®?

L' DISQ® is a minimally-invasive device for percutaneous disc decompression using radiofrequency energy. L' DISQ® is intended to be placed into the posterolateral or posterocentral area in the disc to remove a herniated nucleus pulposus or coagulate disc material in the area.

L' DISQ® is indicated for ablation of disc material to treat patients with contained disc herniations.

L' DISQ® can give a diagnosis & treatment to the discogenic pain by stimulating and coagulating the nociceptors in the painful disc.



1. Set Up

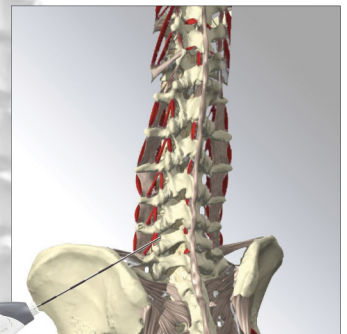
- 1.1 C-arm fluoroscope with image intensification.
- 1.2 Connect the power cord to L' DISQ® RF Generator. If it has a problem ERROR message is shown up on the monitor.
- 1.3 Connect RF-foot pedal switch to the frontal connector of RF Generator.
- 1.4 Connect the electrode to the frontal connector of RF Generator.

2. Patient Preparation

- 2.1 The patient lies in a prone position on a fluoroscopy table.
- 2.2 The recommended puncture site is the opposite side of the herniated disc.

3. Disc Puncture & Insertion of Electrode Tip

- 3.1 Prior to injection, a fluoroscopic examination of the spine is performed.
- 3.2 Infiltrate the subcutaneous tissues and deep muscular tissues along the puncture trajectory with local anesthetic.
- 3.3 To avoid potential neural injury, introduce the puncture into the safe triangle.
- 3.4 Obtain final fluoroscopic images to confirm proper puncture placement on AP and lateral views.



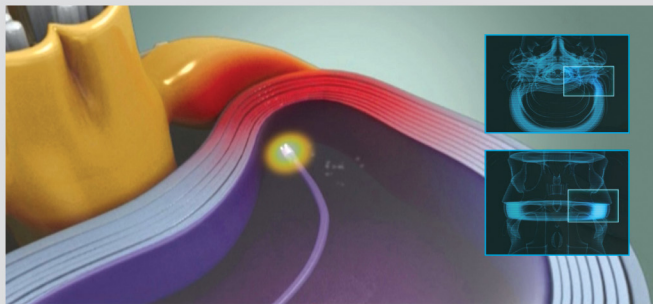
4. Treatment (Disc Ablation, Stimulation and Coagulation)

- 4.1 Remove the trocar.
- 4.2 Inject contrast medium to confirm the position of the herniated disc or annular tear.
- 4.3 Insert electrode tip into the puncture with caution.
- 4.4 Choose treatment modality based on the patient's diagnosis.

► Treatment (Ablation, Bipolar Coagulation)

Using fluoroscopic guidance, with AP and lateral views of the targeted disc, navigate the electrode tip to the target area.

When the electrode tip approaches the target, activate the ablation mode by pressing the ablation button and selecting the appropriate power level to remove the pathologic tissue.



► Diagnosis (Stimulation)

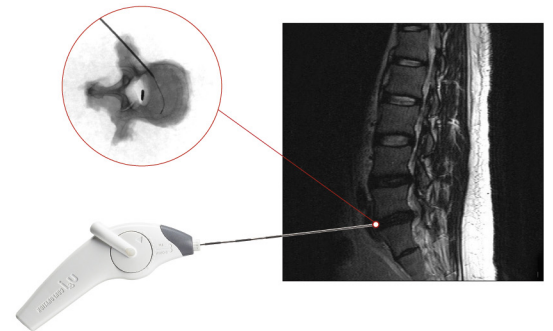
Attach the plate to the patient's body.

Navigate the electrode tip to the target area of the annular tear.

When the electrode tip approaches the targeted point, select the stimulation mode by pressing the stimulation and power control button.

If the patient feels a sharp, or sudden aching sensation in the back or the buttock with very low voltage of electrical stimulation, a pathologically painful area of the disc has been located.

Stimulus strength can be controlled by adjusting voltage and frequency controls.

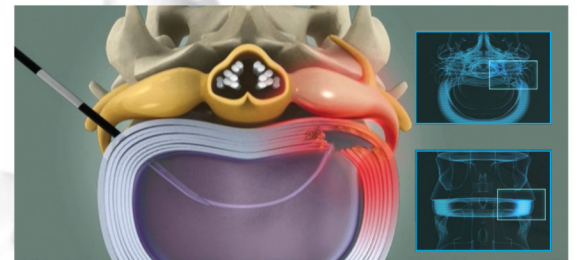


► Treatment (Monopolar Coagulation)

When a putative pain generator is located by electrical stimulation, select the monopolar coagulation mode by pressing the coagulation control and adjusting the stimulus strength. And then coagulate the tissue.

Repeat the procedures of the electrical stimulation and coagulation for each region with a painful annular tear, neo-innervation or sensitized nociceptor.

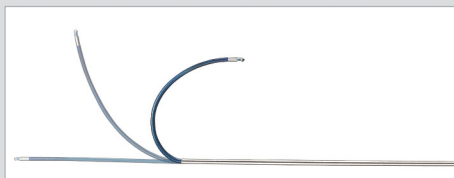
- 4.5 After completion of treatment, withdraw the electrode tip from the puncture, and then withdraw the puncture from the patient.
- 4.6 Make sure to turn off the RF Generator before withdrawing the puncture.
- 4.7 Remove the plate from the patient's body after completion of procedure.
- 4.8 Clean the skin following standard procedures. Place a sterile dressing over the puncture site.



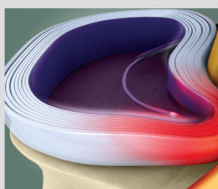
Benefits

L' DISQ® is designed to effectively and safely perform lumbar discectomy procedures.

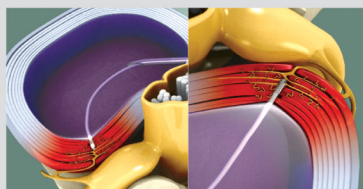
Navigatable Electrode Tip



Effective on the major HDD pains (Radicular pain & Discogenic pain)



• Radicular pain



• Discogenic pain

Functions in One unit (Ablation, Coagulation, Stimulation)



- 1 ABLATION
- 2 COAGULATION
- 3 STIMULATION

CAUTIONS

Prior to use, ensure all package inserts, warnings, cautions, procedure technique manual, and instructions for use are read and understood.

The L' DISQ® is supplied sterile and is intended for SINGLE USE ONLY. DO NOT clean, resterilize, or reuse the L' DISQ®, which may damage or compromise performance of the device, resulting in product malfunction, failure, or patient injury. Cleaning, resterilization, or reuse may expose patient to risk of transmitting infectious disease.

Use of unauthorized cables may damage the RF Generator and the L' DISQ®.

Maintain the lowest power level necessary to achieve the desired effect.

PART#	DESCRIPTION
PD01	L' DISQ® (ELECTRODE, SPINE PUNCTURE)
PD2010	RF GENERATOR
PD2020	RF SWITCH - FOOT
PD2030	MANIPULATOR CONNECTOR CABLE
PD2040	PLATE
PD2050	PLATE CABLE

