

Disc-FX® Overview

The Disc-FX® System is an innovative, minimal access spine system designed to efficiently access the damaged disc without injury to surrounding disc anatomy, such as muscles and bones. Disc-FX® permits multiple treatment options compared to other “small incision, single treatment” devices in the marketplace. In addition to manual decompression, Disc-FX® can help to clean the disc and seal the damaged annulus.

Who is a candidate for the procedure?

Patients with symptomatic, contained herniations that have not responded to conservative treatment may experience relief from the use of Disc-FX®. Typical signs of a contained herniation are lower back pain or pain radiating down the leg accompanied by some lower back pain. Disc-FX® may not be beneficial for advanced degenerative disc disease or spinal fractures. Your doctor will evaluate and determine if you are a candidate for Disc-FX®.

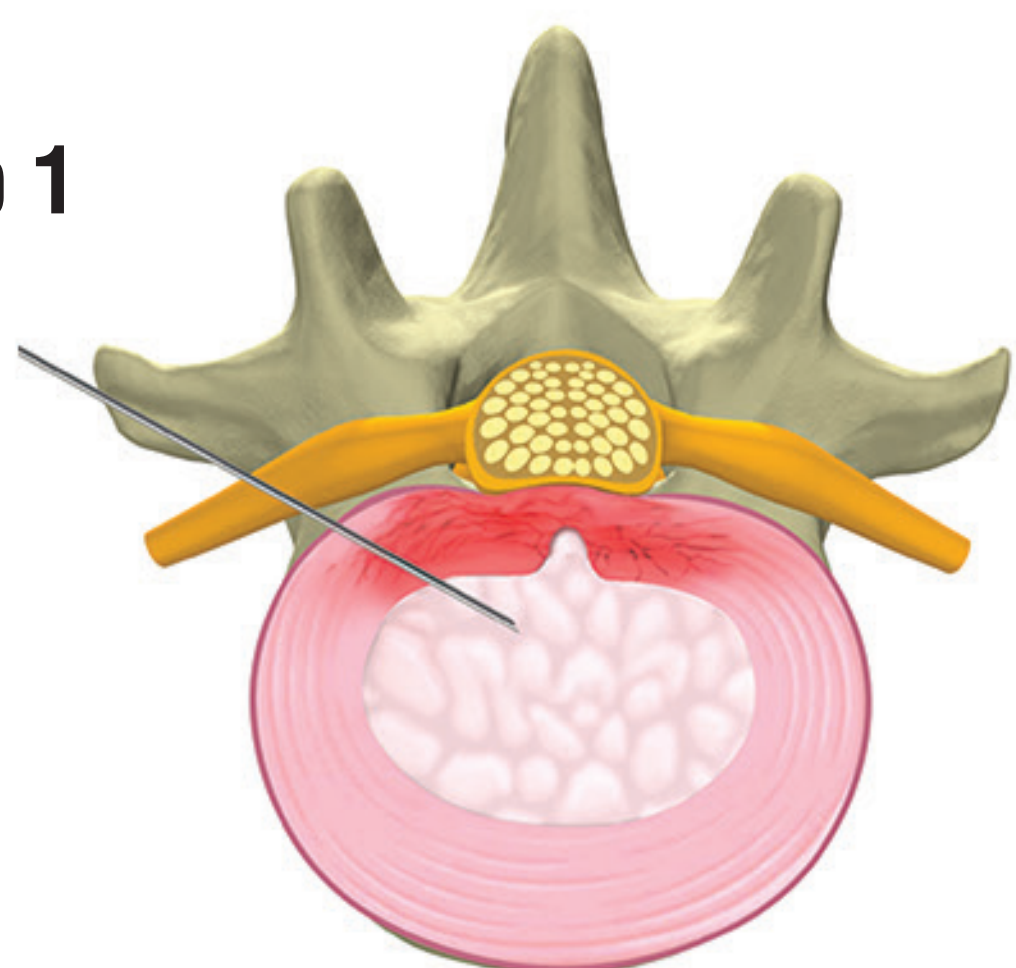


Potential Benefits of the Procedure

- Out-patient procedure
- Short procedure time
- Local anesthetic
- Minor Skin Incision (Less than 1inch)
- Minimal Access Procedure
- Multiple Treatment Options
- Quick Relief of Symptoms
- Can Treat Multiple Disc Levels
- Earlier return to normal activities
- Preserves all additional surgical options, should they be needed.

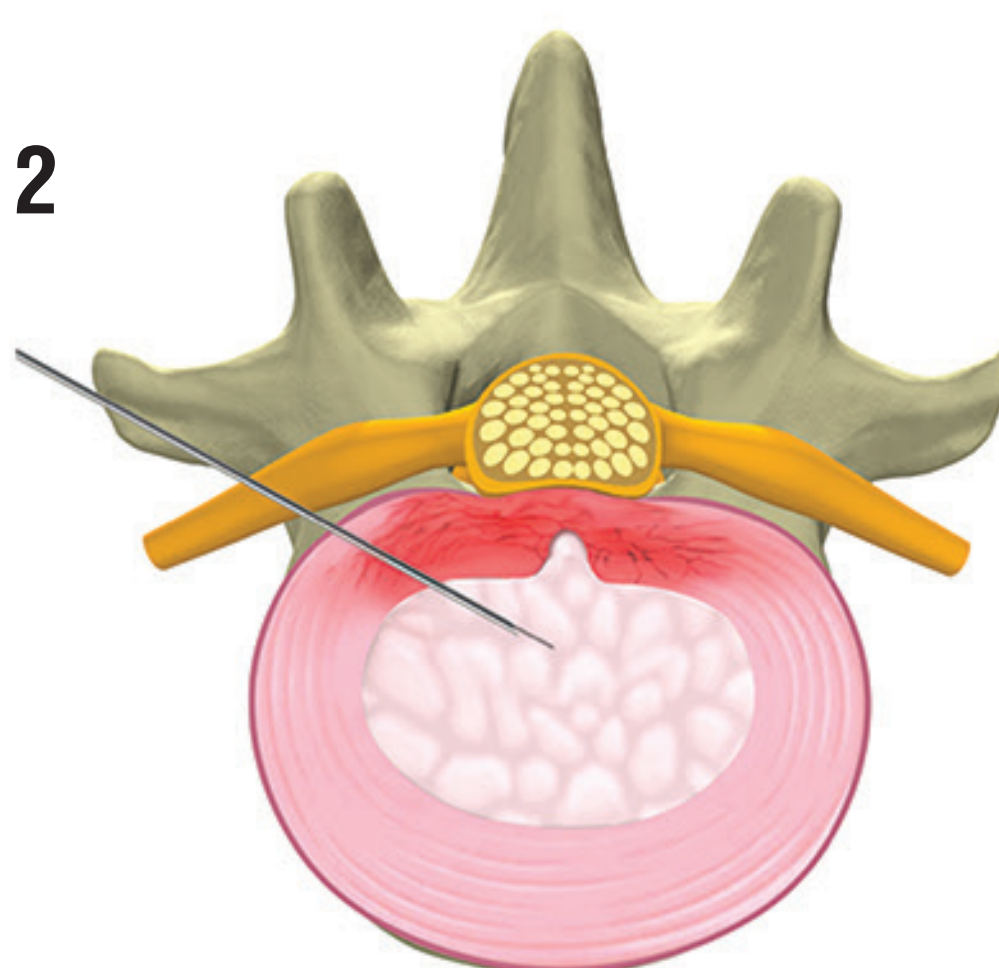
Disc-FX® Step by Step Procedure Overview

Step 1



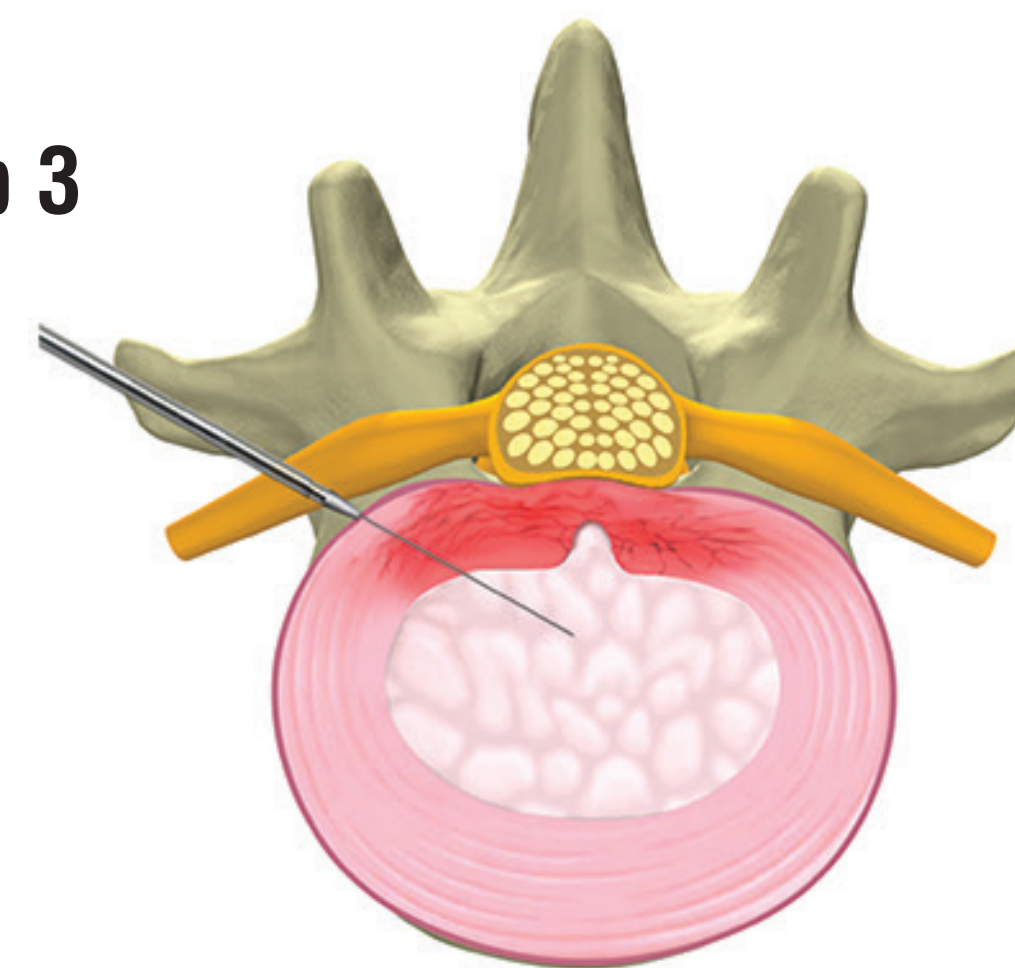
Needle insertion by using posterolateral approach via Kambin's triangle.

Step 2



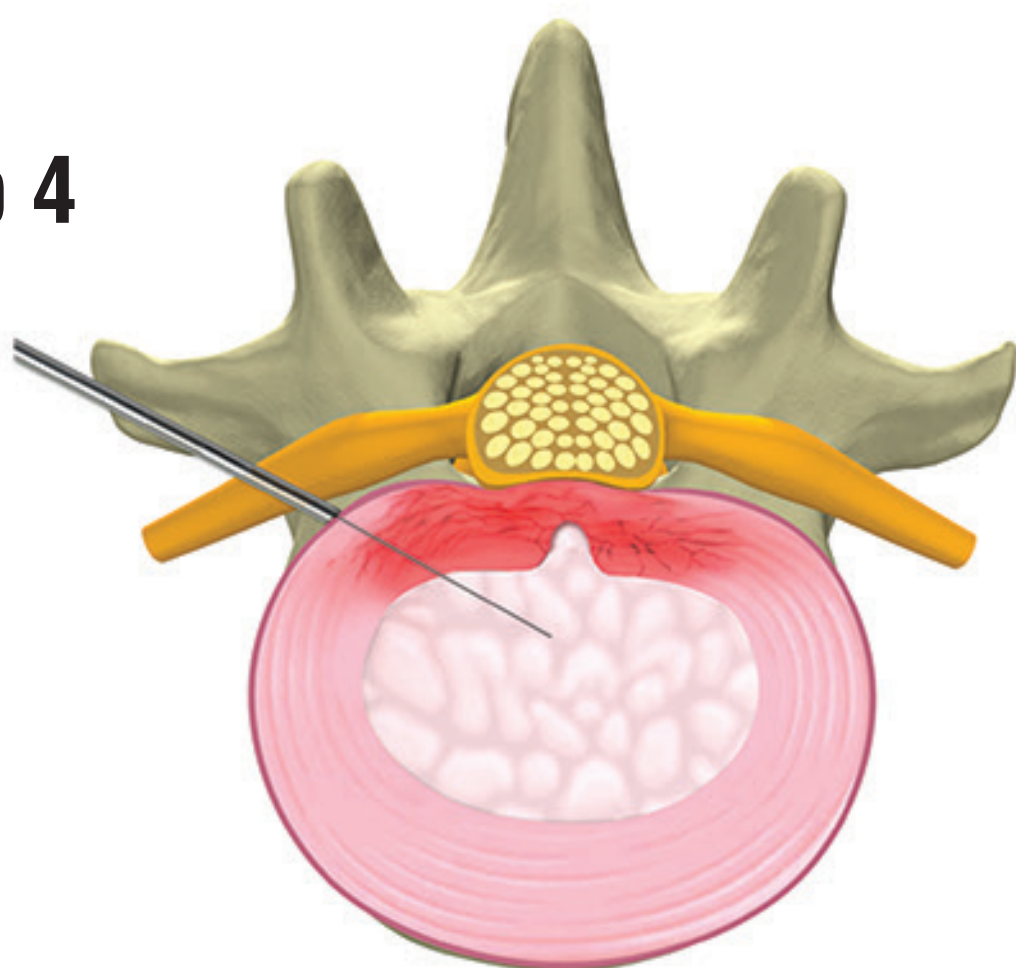
Insertion of the guide wire through the needle, needle removed.

Step 3



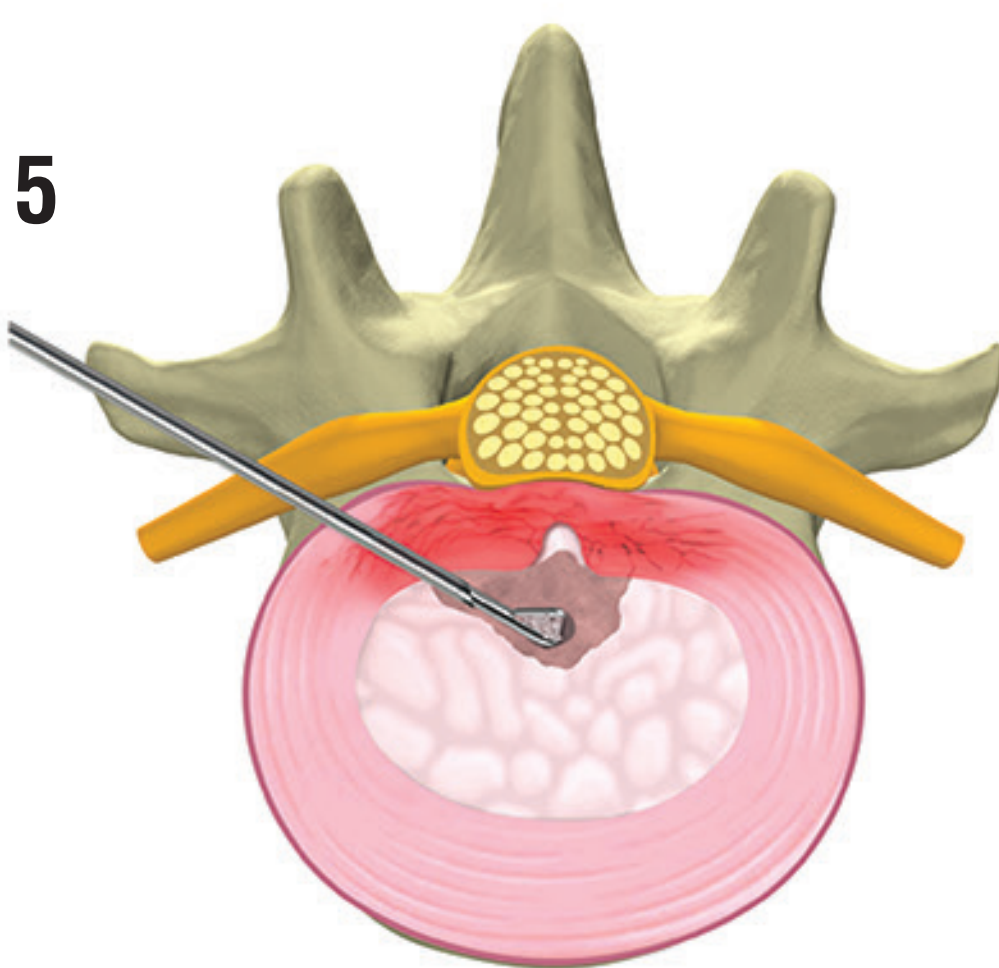
The cannula and dilator passed over the guide wire.

Step 4



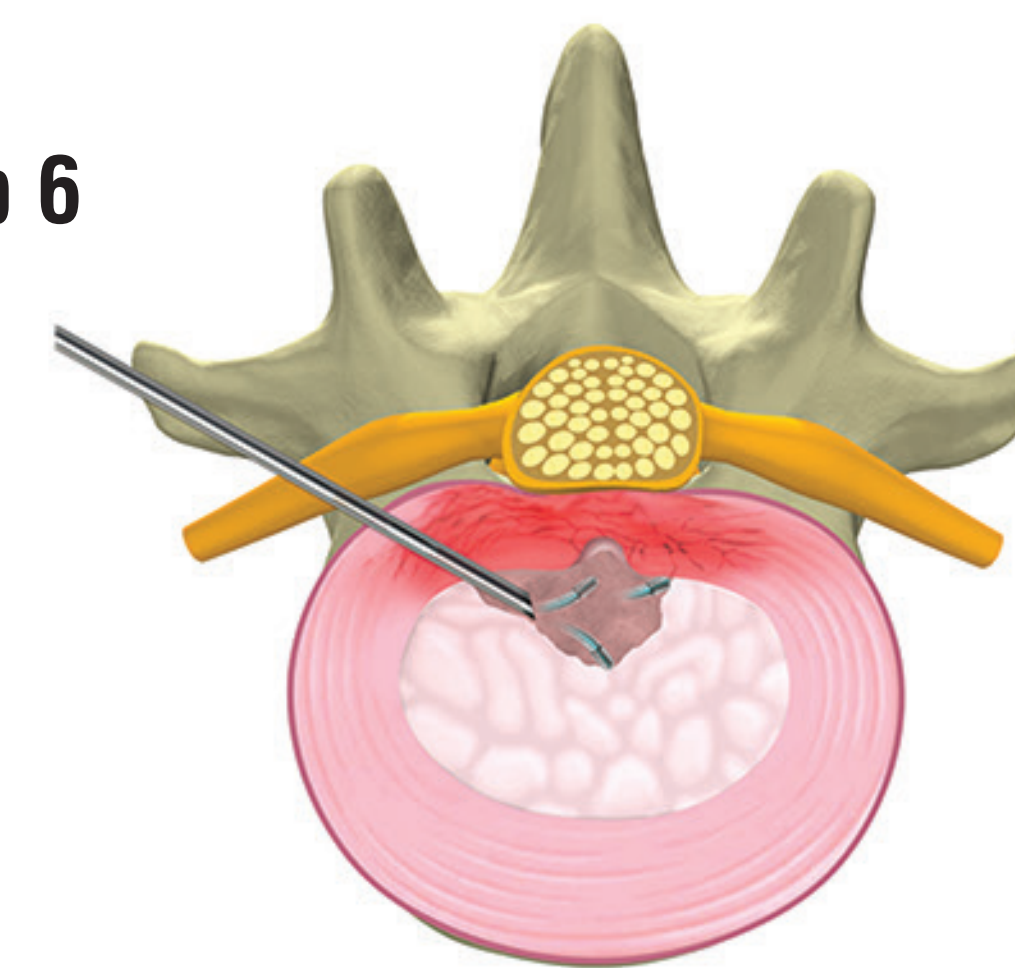
Insertion of trephine over the guide wire to perform an annulotomy.

Step 5



Guide wire, trephine and dilator removed. Nucleus debulking forceps inserted.

Step 6



The debulking forceps are removed and a Trigger-Flex® radiofrequency bipolar probe is inserted for nucleus ablation and annulus modulation.

Treating Contained Disc Herniations

In the past, patients with contained disc herniations have been treated with conservative care including rest, medications, injections and/or physical therapy. Unfortunately, this does not always provide relief. In the past, people who did not respond to conservative care were forced to live with the symptoms or consider major spine surgery. If they underwent surgery, it could take weeks or months to recover, causing a major disruption in their daily lives. With Disc-FX® this may not be the case.

Disc-FX® provides an option for those people who have failed conservative care, and are not ready for major surgery. It is a minimal access procedure performed on an out-patient basis whereby the patient will go home the same day as the procedure with only a small bandage on their back. Following manual removal of the offending herniation, the patented Trigger-Flex® device is activated to help clean the disc and seal tears in the annulus. As a result, the pressure in the disc is reduced, which eases symptoms.

References:

1. Stefan Hellinger. Treatment of contained lumbar disc herniations using radio frequency assisted micro tubular decompression and nucleotomy: four year prospective study results. International Journal of Spine Surgery, Vol. 8, Article 24; 2014 - Endoscopy Percutaneous Special Issue . PMC4325500 doi:10.14444/1024
2. Leon J, Martinez C, Cuellar G. Treatment Of Lumbar Discogenic And Facet Joint Pain With Minimally Invasive Surgery. Dolor Lumbar – perspectives from image Evaluation to Clinical Treatment. 2009; 3:31-40.