



# Targeted Delivery of Pain Medications

**T**<sup>EBI®</sup>  
Target**C**<sup>TM</sup>  
System

Fluoro-Guided Steerable Catheter System

## WHAT IS TARGETED DELIVERY OF PAIN MEDICATION?

This is a procedure for the relief of chronic low back pain. This procedure is performed inside the epidural space, which is housed within the spinal column. The epidural space contains the spinal cord, spinal nerves, and their respective coverings. This procedure allows the physician to target the delivery of medications approved for use in the epidural space at the source in order to provide relief from chronic low back pain.

### **This procedure is used for:**

- Treatment of back or leg pain that is caused by inflammation or compression of a spinal nerve as a result of a disc injury, post operative scarring or narrowing of the spinal canal.
- Confirmation of diagnosed scarring or inflammation around a spinal nerve.
- Any other conditions in which the physician needs to specifically direct an injection of medication approved for use in the epidural space.

## WHAT SHOULD I EXPECT DURING THE PROCEDURE?

This is a single day procedure, which is performed in an outpatient setting under local anesthetic with intravenous sedation if necessary. A soft, steerable catheter is inserted into the lowest portion of the spine, near the tailbone. The physician will use a fluoroscope to guide the catheter during insertion as well as when maneuvering the catheter into the desired position. The catheter itself contains 2 channels for the delivery of fluid as well as medication directly into the area that is causing the chronic low back pain.

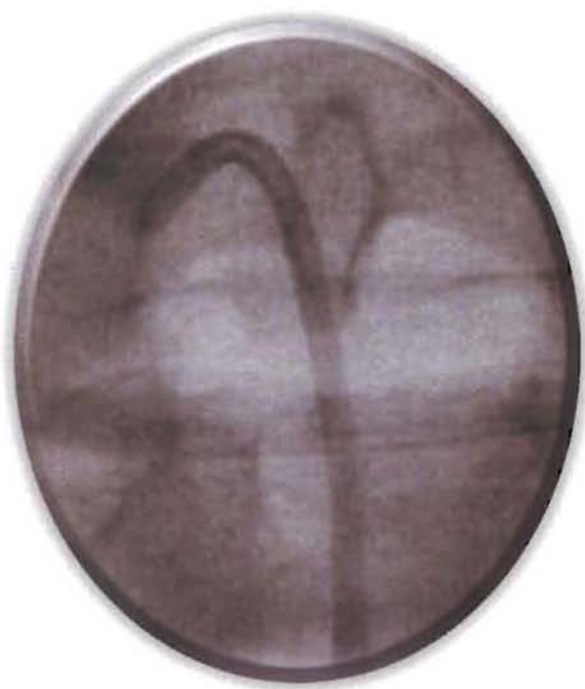
The small, yet steerable catheter allows for reliable, targeted treatment of chronic low back pain with minimal risk and discomfort.

## WHAT HAPPENS AFTER THE PROCEDURE?

The procedure usually lasts 15 to 30 minutes and is not painful, although patients may experience feelings of pressure in the back legs and occasional tingling sensations.

# **T**<sup>EBI</sup>**TargetCath**<sup>TM</sup> System

Fluoro-Guided Steerable Catheter System



Patients are usually ready to go home within 30 minutes following the procedure. Post-procedure side effects may include minor headache and soreness or drainage at the incision site. A severe spinal headache is possible, but rare.

Patients should not drive, operate machinery, make important decisions or perform any strenuous activity for the first day following the procedure. After that, usual activities can be resumed. The physician may also prescribe drugs for post-operative pain, which should not be taken in conjunction with alcohol, as the combination can be dangerous.

Major complications are rare, but would require immediate treatment. High fever, vomiting, severe headache, persistent pain at the incision site or progressive weakness or numbness in the legs should be immediately reported to the physician.



# **T** <sup>EBI®</sup> **TargetCath™** *System*

Fluoro-Guided Steerable Catheter System

A minimally invasive system to target delivery of medications and fluids to the lumbar space for treatment of patients with chronic low back pain.



**cations for Use:**

When used with a fluoroscope, the TargetCath™  
X-ray-Guided Steerable Catheter System can be used  
on the lumbar and sacral spine for delivery of drugs  
approved for epidural indications. The system may  
also be used for the purpose of assisting in the  
diagnosis and treatment of disease utilizing a caudal  
puncture approach via the sacral hiatus.

**CAUTION:** Federal law (USA) restricts this device to  
be used only by or on the order of a physician.

**Disclaimer:** This information is presented to demonstrate the  
technique utilized by Randy F. Rizor, M.D. The  
physician performing this procedure is responsible for  
determining and utilizing the appropriate technique  
based upon his/her training, experience and familiarity  
with relevant current literature. EBI, as the  
manufacturer of this device, does not practice medicine  
and does not recommend this or any other techniques  
or use on a patient.

Please refer to the package inserts accompanying the  
TargetCath System components for full  
describing information including contraindications,  
warnings, precautions, and possible adverse effects.

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