



Surgical Steps

A. Preparation for Percutaneous Epidural Neuroplasty

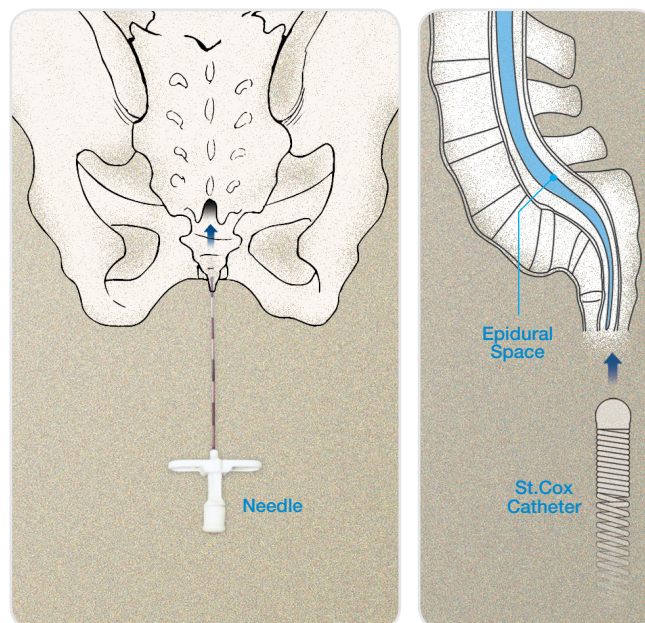
i. Prone Position: Positioning a patient on the operating table

B. The C-arm is rotated to the lateral position to visualize the patient's hiatus.

C. Dress and place a drape around the hiatus.

D. Inject lidocaine to anesthetize the patient for local anesthesia inside of the hiatus.

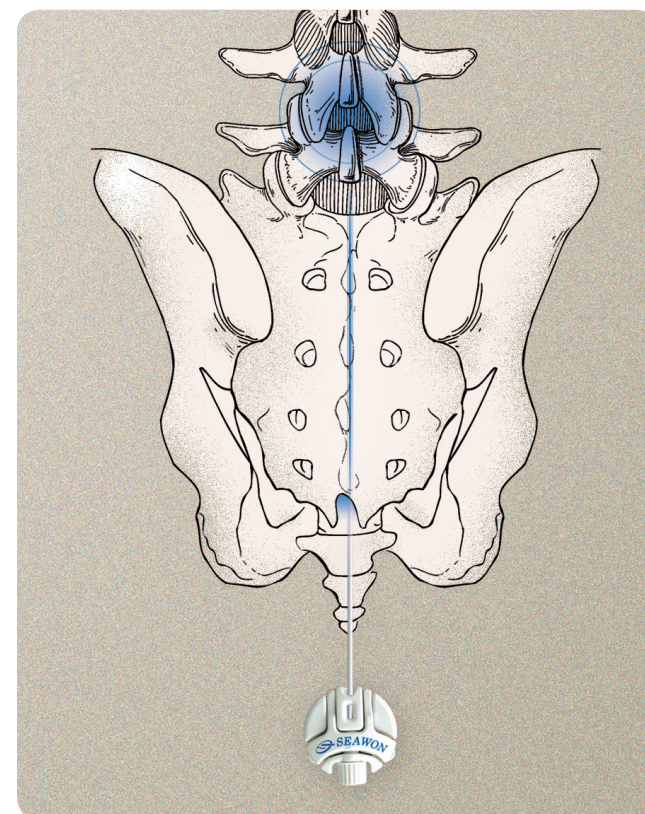
E. Puncture the hiatus using the Needle/Stylet.



F. Pull the Stylet out.

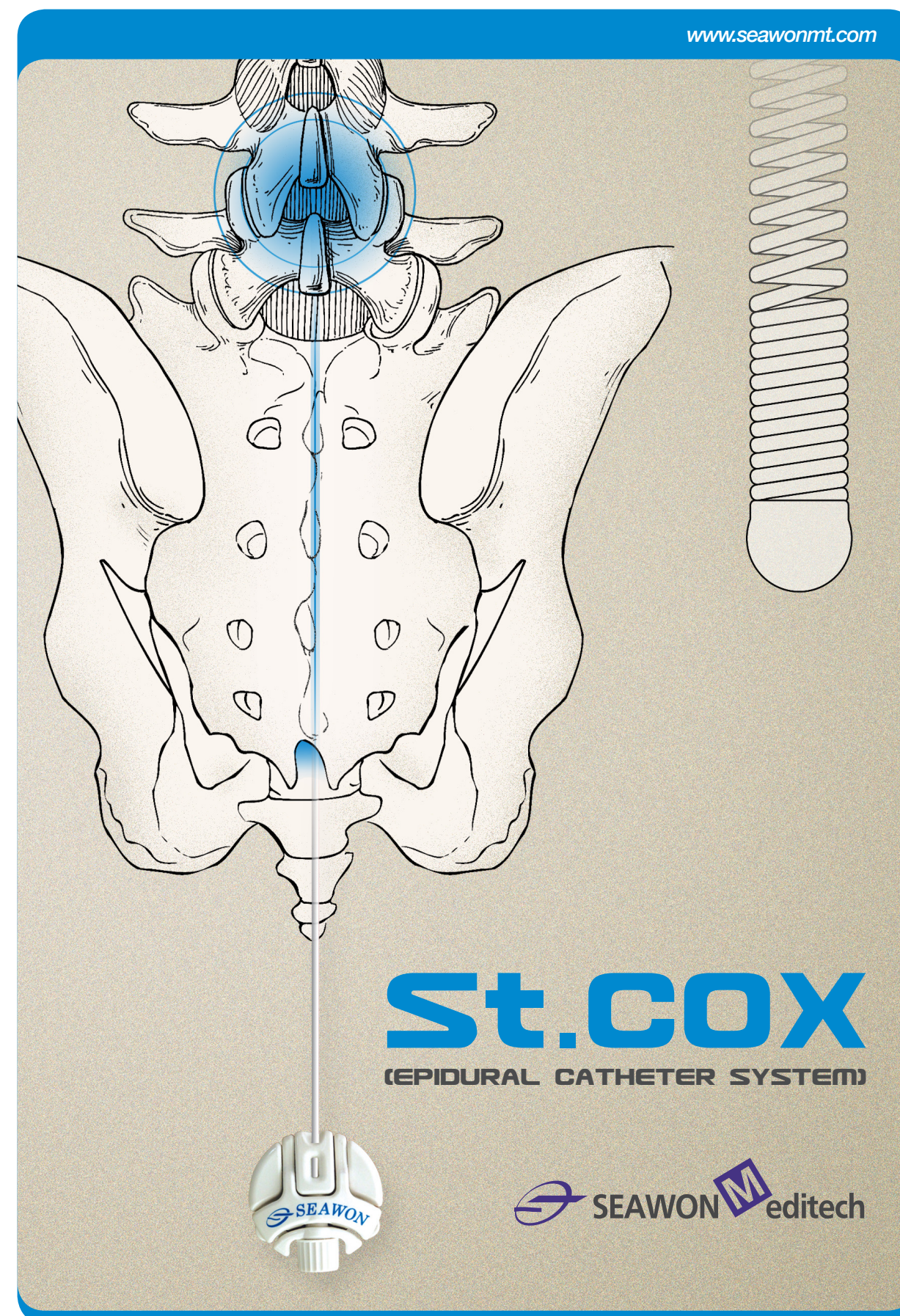
G. Leave the Needle in the hiatus.

H. Insert the Epidural Catheter until reaching between the dura and ligamentum flavum space through the hole.



I. Check where the catheter is with C-arm.

J. Inject a mixed medicine into the catheter through the injection hole of the body.



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What is “Epidural Catheter Technique” and what is “St.cox”

“Epidural Catheter Technique”, this proven method has been used to decompress spinal nerves without open surgery and lastingly alleviate the pain associated with acute and chronic spine disorders. St.Cox is a sort of Epidural Catheter Systems for the foresaid proven method by enabling the physician to combat the pain at its source in the spine by enhancing the capability to steer to the target site.



Typical Indications

- Chronic Back Pain
- Post-Laminectomy Syndrome
- Spinal Stenosis
- Herniated Nucleus Pulposus



Advantages

- Low risk therapy
- Minimally invasive
- No general anesthetic
- High success rates
- No scar formation
- No open surgery
- No long hospitalization
- Quick recovery
- Repeatable at any time
- Also ideal for patients who have undergone previous surgery
- Targeted treatment of causes



Contraindication

- Pregnancy
- Infection
- Metal illness



Features

- The stylet is making the soft catheter less soft and to cut the dura mater more easily.
- No need to withdrawn the stylet to inject the medicaiton
- Surgical grade stainless steel
- Flelxible araumatic tip design
- Kink & collapse resistant
- Radiopaque for distinct images and placement accracy
- Non-reactive with neruolytics:Phenol, alchol, glycerol,etc.
- Tensile spring guded catheter
- Stimulation

Sort	Length	Diameter	Grip Length	Grip Width
Needle	120.6	Ø 1.8	9.8	23.0
Stylet	125.8	Ø 1.2	10.3	10.9
Wing			40.5	13.1

Guide Wire			Catheter				
Length	Cap Diameter	Diameter	Catheter Length	Body Width	Body Length	Tip	
						Outer Diameter	inner Diameter
630.0	Ø10.5	Ø0.3	600.0	32.9	33.0	Ø1.2	Ø0.9

