

Percutaneous Endoscopic Lumbar Transforaminal Discectomy

Indication	L4/5 Prolapsed Disc
Position	PRONE
	OSI table, Wilson frame, mayo tray Storz Spine transforaminal endoscopic set C-arm (flat panel) at patient's right
Anae:	Remifentanyl Plain ETT +/- reinforcement tube NS with plain set, SCD
LA infiltration (need LABEL)	✓ Adrenaline (1:10,000) 10ml /amp x 1 ✓ 10 ml Normal Saline x 2 amp ✓ 0.5 % Levobupivacaine 10 ml/amp x 1 ✓ 3ml syringe x 1, 20ml Luer lock syringe x 1, 21G needle x 1 ✓ Skin marker x 1 ✓ L sterile stripe x 1
Instruments	N001, N004 N812, N813 STANDBY If need +/-N106 or N105 +/-N301, N501, N503, N504, +/-N801, N804, N807
Endoscopy	NS25 HOPKINS Telescope 25 degree (NDH. NEU0600.01) x1 Karl Storz light source x 1 Karl Storz TV system x 1, +/- 飛線TV x1
X-ray	X-ray Flat panel
Supple Instruments	Lamp handle x 2
Irrigation to endoscope	3L NS (to confirm with surgeon warm 3L NS or room temp 3L NS) IV set x1 Insufflating tube (s) x 2
Consumables	Short raytec gauze 1 pack, Abd swab 1 pack Self-adhesive drape 75 x 75 4pcs Ioban 'M' 6650 x1 Blade No.11 x1 Bulb syringe x 1, 20 ml syringe on blunt needle x 1 set X-ray cover x 1, C-armor x 1 Disposable C-section sheet x 1 +/- Bone wax, Surgicel L x 1 +/- Disposable H/C diathermy x1 +/- insulated short, long diathermy blade x 1@ +/- G22 spinal needle (for checking position)
Sutures	3-O cutting Vicryl 4/O Stratafix
Dressing	S sterile stripes Cosmopore

Operating procedures:

1. GA ->
2. Positioning
PRONE on Wilson frame and OSI table, added one gel roll under pubic area ->
Skin preparation
3. Draping
 - 3.1 self-adhesive drape 75 x 75 4pcs
 - 3.2 Ioban 6650
 - 3.3 Disposable drape x 1 to foot end, x1 to head side
 - 3.4 Disposable Abdominal sheet
4. IOM
 - 4.1 IOM with MEP, SSEP and EMG. Fluoroscopy confirm level.
5. Incision
 - 5.1 Left L4/5 1cm paramedian incision 10 cm from midline.
 - 5.2 1.2 mm Needle inserted into L4/5 disc under fluoroscopic guidance.
 - 5.3 Guidewire inserted, followed by insertion of dilator to 6.5 mm at 10 cm depth. 7.5 mm sheath inserted at 9 cm.
 - 5.4 Storz 6.6mm 25 degree endoscope.
 - 5.5 L4/5 endoscopic discectomy performed with rongeurs.
 - 5.6 IOM showing MEP improvement >100%.
5. Closing
 - 5.1 Wound closed with 3-O cutting vicryl
 - 5.2 4-O stratafix
 - 5.3 S sterile stripes, cosmopore

NEURO THEATRE SETTING (TH8) for **Endospine**

- ❖ Patient prone, head towards X-ray board, foot towards panel
- ❖ Anaes machine arrange on the head side of patient
- ❖ Wilson frame, OSI table, gel roll
- ❖ Karl Storz HDTV 7
- ❖ Both hands keep in swimming Position
- ❖ Instrument arranged on the Left side of patient
- ❖ Diathermy keep at Left side of patient, Suction units keep at the end of OT table
- ❖ Two screens, one on left side, one on right side

