



RETRO  
PSOAS

**EARP**™

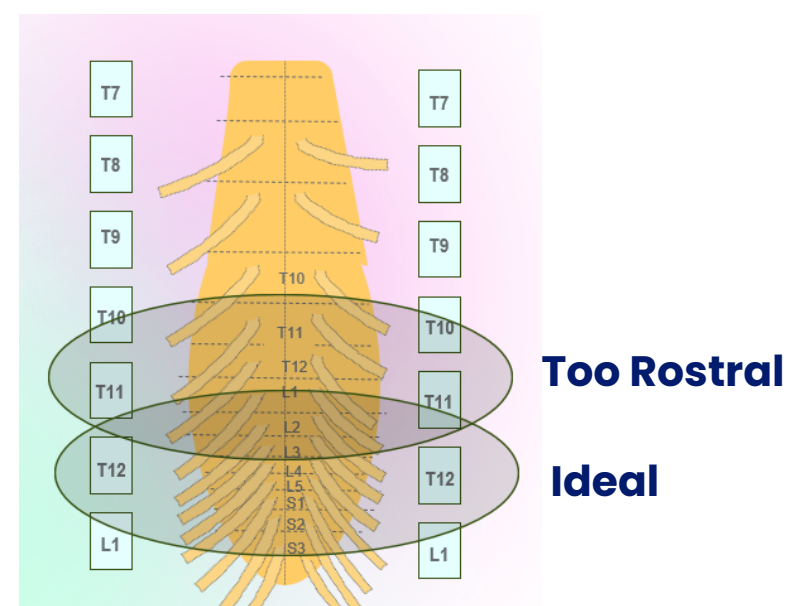
Endoscopic Assisted Retropsoas Approach

A Smarter Path to Spinal Reconstruction



## Baseline Muscle TCAPs

- If obtain psoas and quadriceps, but **no response, or a very small response, is obtained from the tibialis anterior**, the TF stimulating needles may be too rostral. Ask surgeon to **move stimulating electrodes more caudal**.
- Remember, the lumbar nerve roots enter the spinal cord at the level of the lumbar enlargement (T10-L1 vertebral levels) with L2-L3 nerve roots entering around the T11-T12 vertebral levels, and the L4-S1 nerve roots entering at the T12-L1 vertebral levels



## Baseline Nerve TCAPs

- **First, try a different ground electrode.** Pass off 2 needles to circulating nurse and have surgeon place one immediately cephalad to wound in superficial tissue. Replace the ground with one needle. Test TCAP-Nerve responses and see if improved or worse. If signal quality is worse, revert back to original ground.
- **Next, try a different reference for cuff recording.** Have surgeon place the other needle lateral to wound and replaced exiting reference for Cuff recording. Test TCAP-Nerve responses and see if improved. If TCAP-Nerve responses are still deemed unmonitorable, reverse relaxation and defer to TCAP-muscle responses

One Position. One Incision. Faster Recovery.

✉ [bwilent@retropsoas.com](mailto:bwilent@retropsoas.com)

☎ 724-877-7600

🌐 [www.retropsoas.com](http://www.retropsoas.com)