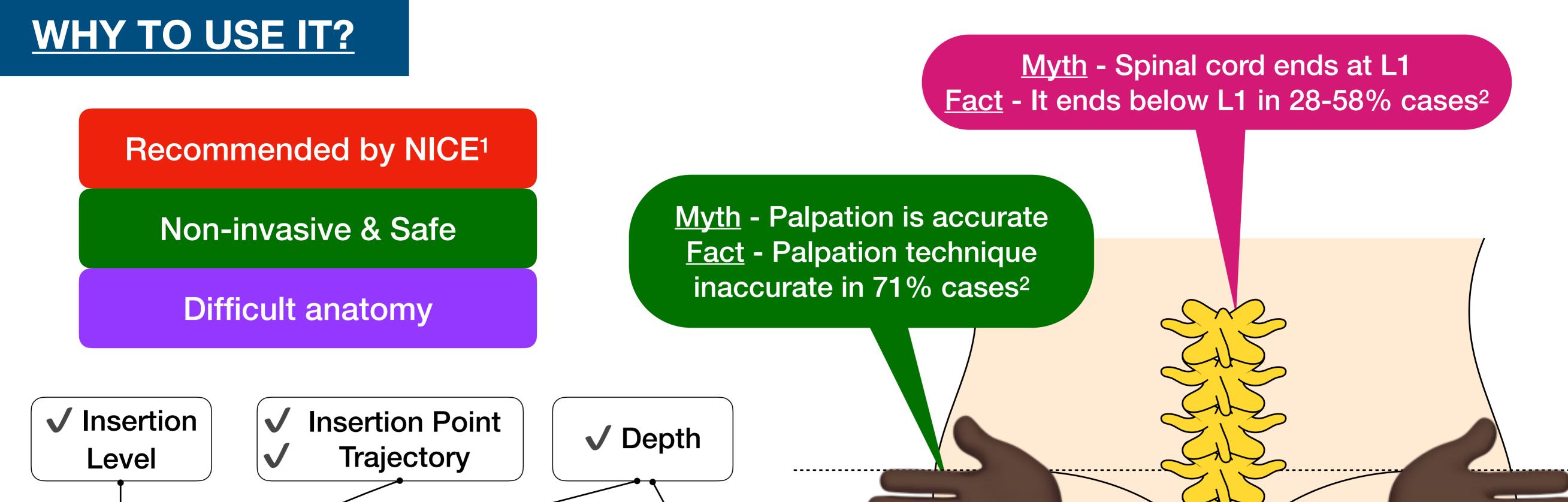
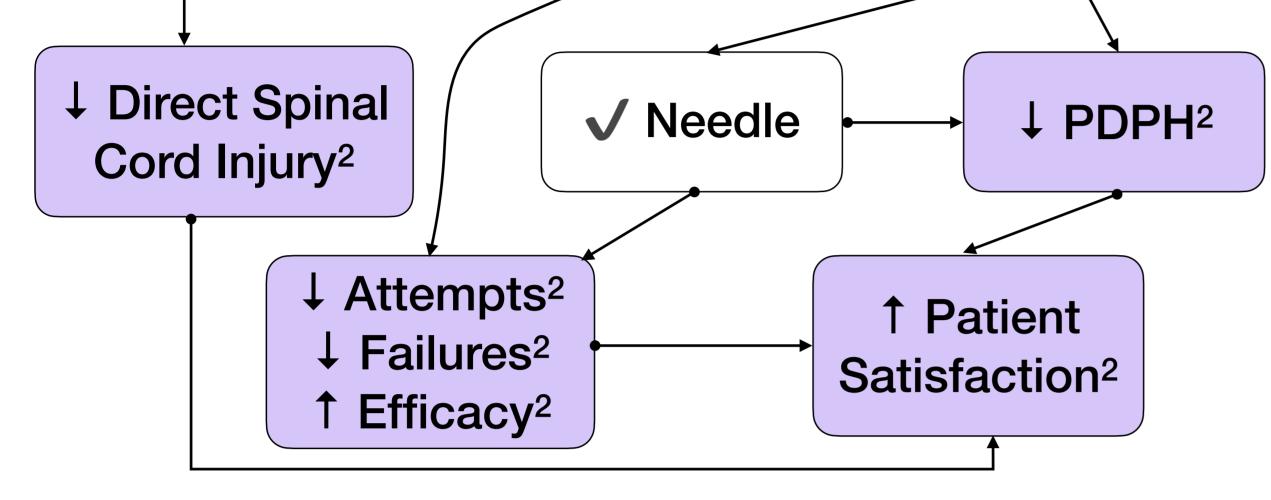
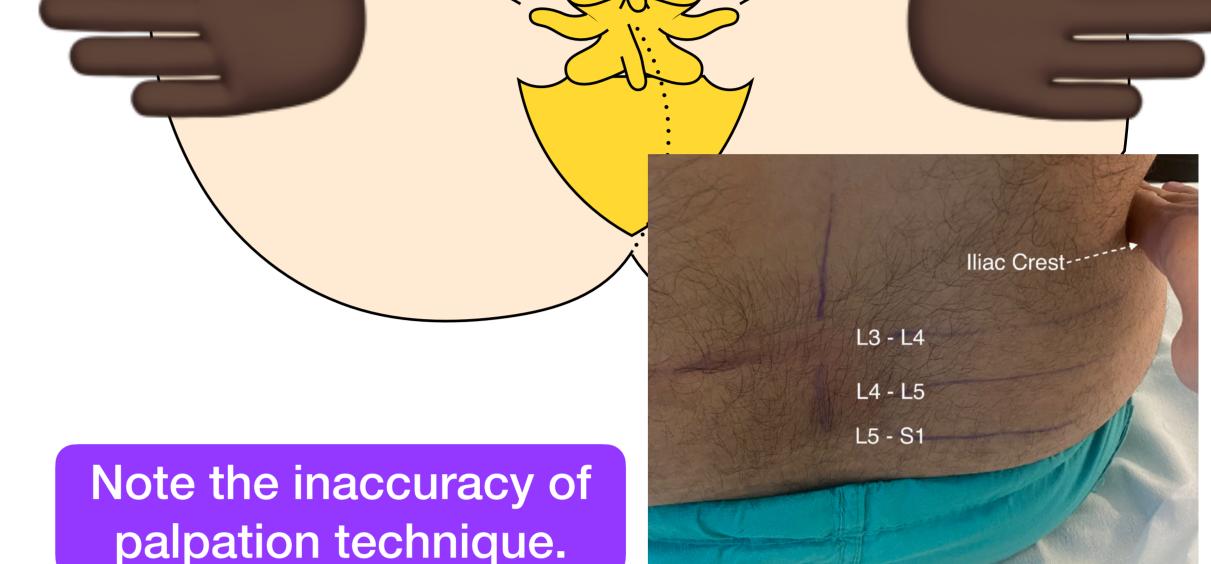
Ultrasound facilitated Neuraxial Anaesthesia Ankit Kedia (Registrar), Amr Hassan (Consultant) **Department of Anaesthetics**



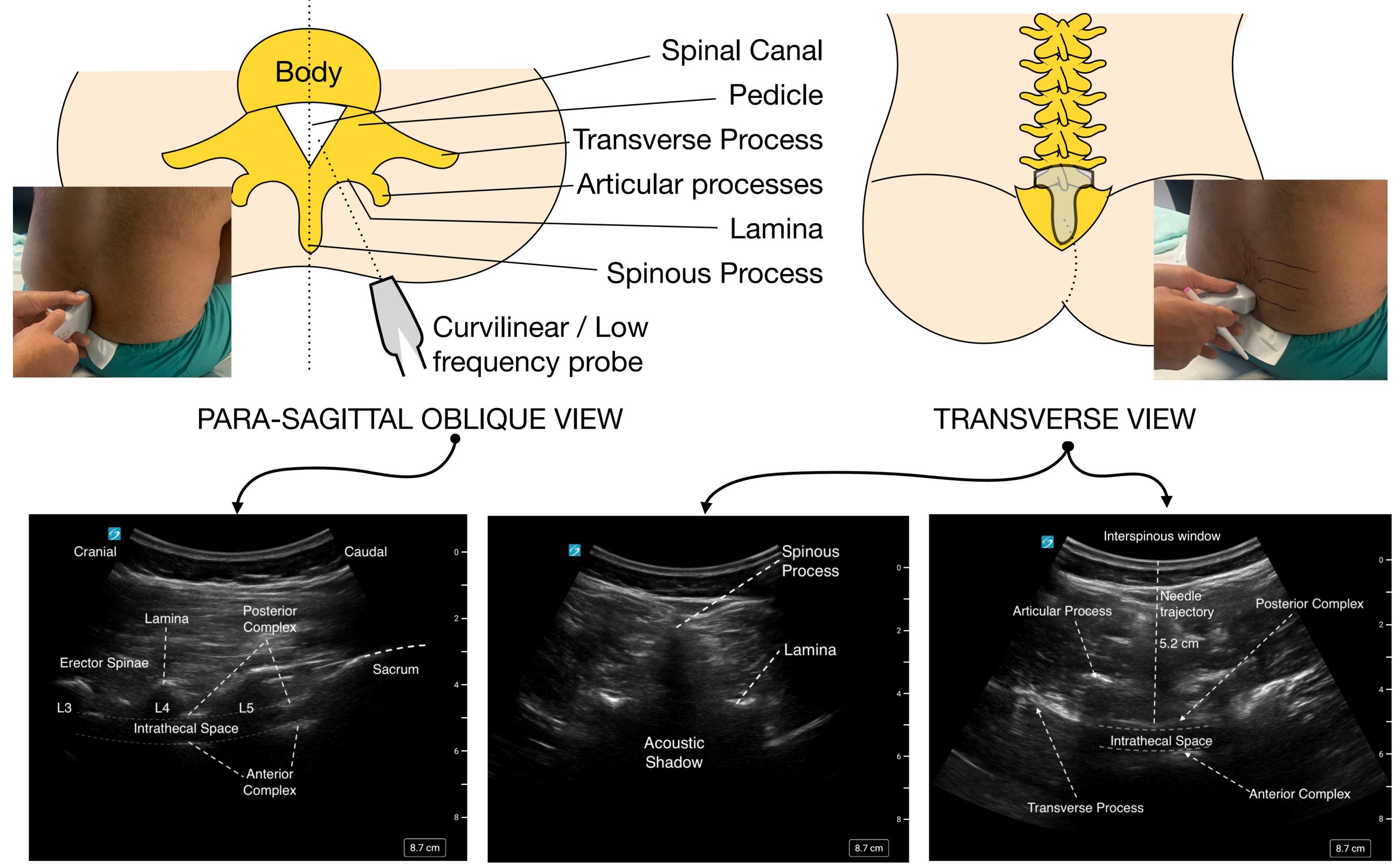
Nottingham **University Hospitals NHS Trust**

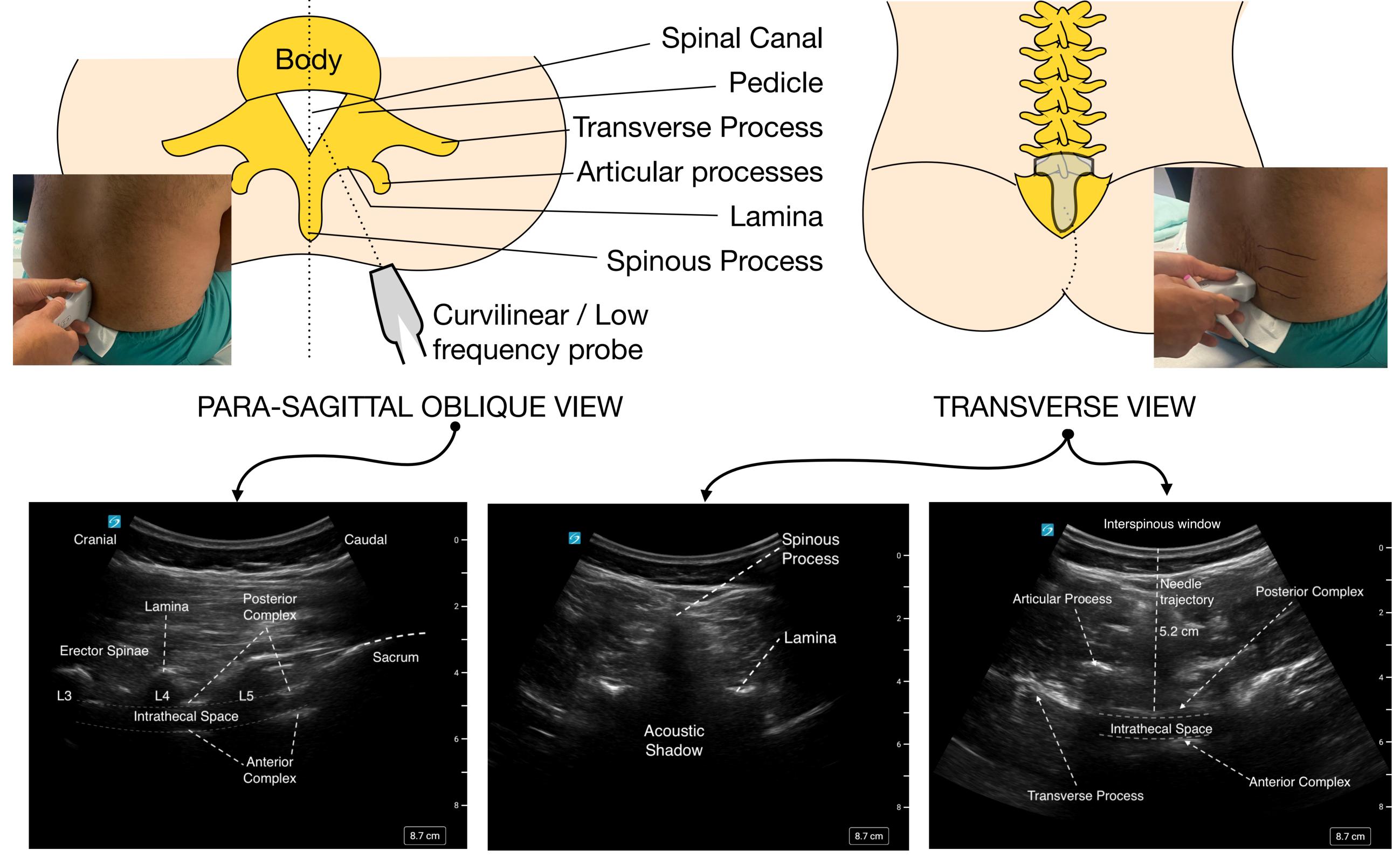






HOW TO DO IT?





Identify levels scanning vertically

Expert tips:

- It is crucial to identify midline correctly
- It is important to gain experience before attempting it on patients with difficult anatomy
- Increasing gain can help identify the Anterior and Posterior Complex
- Use articular and transverse processes as a surrogate guide if the anterior and posterior complexes are not clear.
- Do not palpate landmarks after ultrasound use to avoid confusion
- Release the pressure on the probe while measuring depth

References:

- 1. National Institute for Clinical Excellence. Ultrasound guided catheterization of the epidural space: understanding NICE guidance. 2008. Available from: https://www.nice.org.uk/guidance/ipg249.
- 2. Sadeghi A, Patel R, & Carvalho JCA. Ultrasound-facilitated neuraxial anaesthesia in obstetrics. BJA Education Volume 21, Number 10, 2021.