

Nerve Block Ultrasound

ONE DAY

Hands-on Ultrasound-Guided Regional Anaesthesia
Training for Pain, Emergency & Surgical Practice

Course Description

- This one-day intensive course provides clinicians with the essential skills needed to perform ultrasound-guided regional nerve blocks safely and effectively.
- Participants will learn the fundamentals of ultrasound imaging, needle orientation, and sono-anatomy for major nerve territories of the upper limb, lower limb, trunk, and head & neck.
- The course combines interactive lectures with extensive hands-on practice on live volunteers and phantoms, ensuring confidence in applying nerve block techniques in perioperative, emergency, critical care, and pain management settings.

Course Topics:

1. Introduction to Ultrasound & Regional Anaesthesia

- Basics of ultrasound and knobology
- Probe handling & image optimization
- Injection safety & local anesthetic considerations

2. Head & Neck Nerve Blocks

- Scalp block
- Cervical plexus block
- Sono-anatomy of head & neck regions

3. Upper Limb Nerve Blocks

- Interscalene, supraclavicular & infraclavicular blocks
- Axillary & intercostobrachial approaches
- Ultrasound evaluation of upper limb nerve pathways



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Course Topics:

4. Lower Limb Nerve Blocks

- Femoral, obturator & lumbar plexus blocks
- Sciatic nerve approaches
- Popliteal fossa & perineural sono-anatomy
- Adductor Canal Block
- IPAC Block
- Ankle Block

5. Trunk & Fascial Plane Blocks

- TAP block (Transversus Abdominis Plane)
- Rectus sheath & subcostal blocks
- Paravertebral block
- Quadratus lumborum block
- Parasternal Blocks
- Clavipectoral Facie Block

6. Ultrasound-Guided Needling Techniques

- Needle visualization strategies
- In-plane & out-of-plane techniques
- Hands-on practice using phantoms for precision

- Participants will engage in structured, supervised hands-on scanning sessions using live volunteers, high-quality ultrasound machines, and regional anaesthesia phantoms to build proficiency and confidence in performing nerve blocks in real clinical settings.

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Training**



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