

Course details

Goals: This course aims to train anesthesiologists in:

- Anatomy and sono-anatomy relevant to peripheral nerve blocks
- Safe performance of ultrasound-guided, PNS-guided, and landmark-based regional anesthesia techniques
- Perioperative analgesia planning and catheter techniques
- Management of complications related to regional anesthesia
- Documentation, ethics, communication, and patient safety standards

Equipments & Facilities available: Yes

Duration and schedule of The Course: 6 Months

A. Didactic Teaching

- Total teaching hours: ~60 hrs
- Weekly seminars/classroom sessions: 2 hrs/week
- Includes video-based training, skill labs, and mannequin workshops

B. Clinical Postings

- Regional anesthesia-focused duty postings
- Daily operating room exposure with supervised hands-on training

C. Skill Lab / Simulation

- Needle handling and catheter insertion modules

Eligibility: MD/DNB/DA Anesthesiology or equivalent recognized qualification

Attendance and leave rules: Minimum 80%

Duties and Responsibilities of fellows: As per University Norms

Evaluation Process:

Formative

- Monthly case discussions
- Faculty observation and logbook reviews

Summative

- **Theory Exam (2 Papers):**
 - Paper 1: Principles & Anatomy
 - Paper 2: Clinical Application & Case-based Scenarios
- **Viva Voce**
- **Practical Exam:** Performance of one upper limb and one lower limb block

Passing Criteria: $\geq 50\%$ in each component

Course Content (Curriculum):

A) Block Techniques

- **Brachial Plexus:** Interscalene, Supraclavicular, Infraclavicular, Axillary
- **Lower Limb:** Femoral, Fascia Iliaca, Sciatic, Adductor Canal, Ankle Blocks
- **Thoracic:** Paravertebral, PECS, ESPB, Serratus Anterior Plane Blocks
- **Abdominal:** TAP, Rectus Sheath, QL Block

B) Cross-cutting Topics

- Ultrasound physics and knobology
- Pharmacology of local anesthetics and adjuvants
- Infection prevention and asepsis
- Peripheral nerve catheter techniques
- ACLS/BCLS and LAST (Local Anesthetic Systemic Toxicity) management
- Pain scoring and multimodal analgesia
- Documentation, consent, and medico-legal aspects