



***SNS COLLEGE OF ALLIED HEALTH SCIENCES
SNS KALVI NAGAR, COIMBATORE-35
AFFILIATED TO Dr MGR UNIVERSITY, CHENNAI***

***DEPARTMENT OF OPERATION THEATRE AND
ANAESTHESIA TECHNOLOGY***

3rd YEAR

SUBJECT: Principles of Anaesthesia II

***TOPIC: Preparing theatre for thoracic
anaesthesia***



Pre-operative Planning

- Review surgical and anaesthetic plan
- Confirm laterality of surgery
- Ensure appropriate imaging and labs are available

Equipment Check

- Anaesthesia machine: Calibrated and checked
- Suction: Two systems (for airway & surgical field)
- Monitors: Standard + advanced (A-line, CVP, CO monitoring if needed)



Airway Management Tools

- Double-lumen tube (DLT) / Bronchial blockers
- Fibreoptic bronchoscope (FOB) – essential
- Video laryngoscope – backup
- Airway exchange catheter (optional)

Ventilation Setup

- One-lung ventilation (OLV) capability
- Pressure-controlled or volume-controlled modes
- Lung isolation test before induction



Drugs & IV Access

- Prepare emergency and routine drugs
- Vasopressors, inotropes ready
- Large-bore IV access & central line if indicated
- Thoracic epidural/spinal/nerve blocks if planned

Patient Positioning Aids

- Lateral decubitus positioning aids
- Arm support, padding for pressure points
- Head ring or support for neutral alignment



Temperature Management

- Active warming devices (e.g., Bair Hugger)
- Fluid warmers

Chest Drain System

- Ensure availability of underwater seal drainage
- Check suction functionality



Emergency Readiness

- Difficult airway cart
- Crash cart & defibrillator
- Blood products on standby (if needed)

Communication

- Team briefing & WHO surgical safety checklist
- Confirm plan for lung isolation and pain management



THANK YOU