Course details

Goals:

1. Understand prediction, evaluation, and management of difficult airways
2. Gain advanced hands-on skills with modern airway devices and rescue techniques
3. Enhance crisis management, team communication, and patient safety in airway emergencies

Equipments & Facilities available: Yes

Duration and schedule of The Course: 3 Months

Month 1 — Foundations & Recognition

Module	Content	Method
1. Airway Anatomy & Physiology	Upper airway anatomy, physiological considerations in airway obstruction	Lecture
2. Difficult Airway Prediction & Assessment	Pre-operative evaluation, scoring systems (Mallampati, LEMON etc.)	Case-based teaching
3. Oxygenation & Ventilation Strategies	High flow nasal oxygen, preoxygenation, apneic oxygenation	Demo + hands-on
4. Mask Ventilation & Basic Airway Adjuncts	OPA, NPA, two-handed ventilation techniques	Hands-on workshop
5. Supraglottic Airway Devices	1st & 2nd generation SADs, rescue ventilation	Simulation lab

Month 2 — Advanced Airway Techniques

Module	Content	Method
6. Endotracheal Intubation Techniques	Direct & video laryngoscopy, positioning, bougie, stylets	Manikin + OR observation
7. Fiberoptic Bronchoscopy	Anatomy, awake intubation protocols, topicalization	Hands-on + live demo
8. Pediatric Difficult Airway	Age-specific anatomy, devices, congenital anomalies	Simulation / Case review
9. Trauma, C-Spine Injury & Restricted Mouth Opening	Manual inline stabilization, alternative devices	Simulation
10. Airway in Obese & Obstetrics	Ramping, aspiration risk mitigation	Lecture + demo

Month 3 — Rescue Techniques & Crisis Management

Module	Content	Method
11. Can't Intubate, Can't Oxygenate (CICO)	Algorithm updates, human factors approach	Algorithm drills
12. Front-of-Neck Access (FONA)	Cricothyrotomy: needle + surgical	Hands-on animal model /

Module	Content	Method
	techniques	simulator
13. Airway in ICU & Emergency	Difficult extubation, re-intubation strategies	Case conferences
14. Team Training & Crisis Resource Management	Simulation of airway emergencies	High-fidelity simulation
15. Ethical & Medicolegal Issues	Consent, documentation, communication	Seminar

Eligibility: MD/MS/DNB/Diploma & Critical Care

Attendance and leave rules: Minimum 80%

Duties and Responsibilities of fellows: As per University Norms

Evaluation Process:

Assessment #1: Short written + skill assessment (mask airway + LMA placement)

Assessment #2: Video laryngoscopy & awake fiberoptic technique evaluation

Final Evaluation:

- Written exam + OSCE + Simulation test
- Case logbook review (minimum 10 advanced airway device uses)

Course Content (Curriculum):

Teaching Methodology

- Interactive Lectures (onsite / virtual)
- Hands-on Workshops & Skill Stations
- Simulation-based Training
- Real-case exposure in OR & ICU
- Evidence-based guideline discussions

Learning Materials

- Visual manuals and airway algorithms
- Video demonstrations & device tutorials
- Access to current Difficult Airway Society (DAS) and ASA resources