

Anaesthesia & Operation theatre technology

Objectives: Anaesthesia & Operation theatre technology student should

- a) Understand the safe anesthesia techniques for various elective and emergency procedures in and outside the operation theatre.
- b) Obtain knowledge about the proper functioning of various anesthetic equipments such as the work station, anesthesia monitors, syringe pumps etc.
- c) Assist the anesthesiologists efficiently during procedures in and outside the operation theatre.
- d) Perform Basic skills of cardiopulmonary resuscitation, post-operative and intensive care unit management.
- e) Learn the basic nursing skills of various surgical procedures including the surgical instruments used in the surgical procedures.
- f) Perform Quality control procedures.
- g) Maintain asepsis.

Outcome: After completing three years of Anaesthesia & Operation theatre Technology course the graduate should be able to

1. Work as efficient technician, excelling in theoretical knowledge and implementation of practical skills in the operation theatre.
2. Assist anesthesiologist rendering his services to the best of his ability.
3. Have a sound knowledge of equipments like C Arm, operating microscope and surgical diathermy to properly assist the surgeons.

Training Provided

1. General

- Patient care before and after OT procedure-Patient transport/dressing/shifting from OT
 - OT cleaning
 - Aseptic precautions
 - Exposure to different types of drugs and loading of drugs
 - Assistance in anaesthetic procedures
 - Hands on training and Mannequin usage for Phlebotomy, IV insertions
 - ECH reading
2. Exposure to “digital monitors” operation and monitoring of patients during the procedures by using various digital monitors
 3. Exposure to C-arm technology for orthopaedic procedures
 4. Regular BLS/ACLS training
 5. Exposure and hands on training for assisting various surgical instruments and procedures.

Internship Training

Anaesthesia and Operation theatre Technology students should be able to perform the following:

1. Should be able to check the anaesthesia machine, circuit, laryngoscopes
Video laryngoscopes, fibroscopes, ultrasound machine and all other anaesthesia equipments.
2. Dilution of routinely used anaesthesia and emergency drugs.
3. Shifting in/shifting out of the patient from the operation theatre.
4. Setting of monitors including invasive monitors such as central venous monitoring/arterial blood pressure.
5. Positioning of the patient during various anaesthesia/ surgical procedure.
6. Maintaining asepsis during various anaesthesia and surgical procedures.
7. Setting up of various laparoscopy equipments.
8. Arranging the spinal and epidural tray prior to sterilisation.
9. Checking the emergency drug tray, defibrillator, difficult airway cart,
10. Packing surgical sets for concerned surgeries.
11. Rotated to all OT'S every 15 days including speciality & super speciality OT's.