

(140-MED-31-01) DIPLOMA RESPIRATORY THERAPY

Significance of Program

Respiratory therapists help patients of all ages battle breathing problems. These problems not only include chronic conditions but can also involve people who need emergency respiratory care after accidents, heart attacks or strokes.

Career Options

Individuals who opt for a career as Operation Theatre Technician is always in high demand as he or she is required in every hospital which has an operation theatre

Program Objectives

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

Outcomes of the Program

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.

Major Course Outline

- Pathology
- Medicine
- Principles of anesthesia

- Basic techniques of anesthesia
- Basics of surgical procedures
- CSSD procedures
- Advance anesthetic techniques
- Basic intensive care

| Core | Electives | Skill Course |
|----------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Principles of Anaesthesia pharmacology, operation theatre management | Biochemistry | They must be proficient in handling surgical instruments, setting up and maintaining equipment, and ensuring that the OT is prepared for surgery. An OTTA should also have a knowledge of sterilization techniques and infection control protocols. |