

## Rotation Objectives

### Anesthesia

**Goal:** This rotation will give the resident a concentrated opportunity to develop knowledge and skills in airway and pain management.

**Design:** A minimum one block (4 week) rotation under the direction of a designated rotational supervisor, primarily in the operating room setting. This rotation may also include experience on the Pain Service in the management of parenteral and regional analgesia on the ward.

At the completion of the rotation the trainee will:

#### **MEDICAL EXPERT:**

##### *MEDICAL KNOWLEDGE:*

1. Recognize the need for intubation.
2. Select an appropriate form of airway protection in individualized patients.
3. Demonstrate knowledge of principles of and steps required for fiberoptic intubation.
4. Describe the principles of pain management, demonstrate knowledge of standardized scoring system in pain. Recognize and assess a patient in pain and recommend appropriate use of systemic versus regional analgesia in specific patients.
5. Describe and contrast the efficacy, pharmacology, and adverse effects of commonly used analgesics, amnestics, anaesthetics and paralyzing agents. Demonstrate this knowledge in using these agents.
6. Describe the principles of epidural analgesia using opiates and local anesthetics. Identify when these techniques are indicated and monitor them appropriately.
7. Describe the cardiopulmonary consequences of general anaesthesia and major surgery. Use this knowledge in assessing and optimizing a patient's operability, and to anticipate post-operative complications



8. Describe the unique aspects of paediatric airway management and demonstrate that knowledge in patient care (optional).
9. Understand and adopt practices in the OR environment that promote patient safety and address human and system factors.

*TECHNICAL/PROCEDURAL SKILLS:*

1. Perform a comprehensive airway assessment identifying considerations and challenges that may be encountered in managing the airway.
2. Provide effective bag-mask ventilation.
3. Intubate paediatric (optional) and adult patients by the oral-tracheal route with appropriate attention to pre-medication, analgesia, paralysis (if indicated), and evaluation of correct ET tube position.
4. Demonstrate knowledge of management steps in a difficult and failed airway.
5. Recognize the indications for and perform effective intercostal nerve blocks.

**COMMUNICATOR:**

1. Recognize the extent of his/her own technical competence and seek appropriate assistance or consultation for airway or pain management.
2. Communicate effectively using written health record, electronic medical record or other digital technology.

**COLLABORATOR:**

1. Demonstrate safe handover of care, both verbal and written, during a patient transition to a different health care setting or stage of care.
2. Engage in respectful shared decision making with physicians and other colleagues to come up with a safe and appropriate plan for anesthesia.

**PROFESSIONAL:**

1. Demonstrate a calm, professional approach to the management of a patient in pain or airway difficulty.
2. Demonstrate a professional interaction with patients and their families.



3. Exhibit appropriate professional behaviours in all aspects of practice, demonstrating honesty, integrity, humility, compassion, altruism, respect, altruism, respect for diversity and maintenance of confidentiality.