

EMERGENCY MEDICINE

ROTATIONAL GOALS AND OBJECTIVES FOR PGY2 YEAR

ANAESTHESIA ROTATION (PGY2) - 2 blocks

During the PGY2 year, Emergency Medicine residents will do a two (2) block rotation in Anaesthesia. They will spend most of their time in the OR setting with faculty members in the Department of Anaesthesia administering general and regional anaesthesia under their direct supervision. Residents will have a chance to increase their knowledge base and procedural skills in Anaesthesia in the OR, ward and Emergency Department settings. They will spend time at HDH and KGH and will see a variety of cases. They will also have a chance to see a large number of elective and emergency surgical procedures carried out which will further medical knowledge. Their experience should give them a solid foundation for the development of advanced airway management and resuscitation skills as they progress through their residency training.

Residents should review the list of goals and objectives to guide their experience on this essential rotation.

Medical Expert

Goals:

1. Develop airway management skills.
2. Develop intravenous access skills.
3. Develop familiarity with pharmacological agents used in anaesthesia.
4. Learn standard monitoring techniques.
5. Learn relevant pre-operative historical and physical exam considerations.
6. Learn principles of pain management.

Objectives:

1. Demonstrate correct use of the bag-valve mask device.
2. Demonstrate knowledge of the anatomy of the upper airway.
3. Demonstrate skill in orotracheal, nasotracheal and glide scope intubation and use of LMA.
4. Demonstrate relevant peripheral and central venous anatomy knowledge.
5. Demonstrate skill in obtaining peripheral and central venous access.
6. State the dosages, indications and contraindications for inhalation anaesthetic agents, intravenous analgesic and anaesthetics, and neuromuscular blocking agents.
7. Demonstrate ability to use standard monitoring techniques.
8. Demonstrate ability to manage a patient on a ventilator.
9. Demonstrate knowledge of the principles and techniques of regional anaesthesia.
10. Demonstrate ability to administer local anesthetics and be familiar with agents, dosing, side effects and techniques to monitor pain.
11. Recognize and manage an obstructed airway.
12. Demonstrate ability to use standard emergency department monitoring techniques.
13. Perform procedural sedation under faculty supervision.
14. Demonstrate appropriate judgment related to a patient's need for airway intervention.
15. Demonstrate skill in the use of anaesthetics and neuromuscular block agents including procedural sedation and rapid sequence intubation.
16. Demonstrate an understanding of rescue airway techniques.

Communicator

- Demonstrate good interviewing skills in simple situations.
- Deal effectively with family members.
- Effectively communicate the risks and benefits of procedures using a patient centered approach.
- Use shared decision making with patients whenever possible to guide management that is in keeping with patient's beliefs and values.
- Demonstrate empathy and ability to understand nonverbal cues.
- Maintain concise yet thorough charts, legibly written with pertinent history and physical findings and a clear diagnosis, treatment plan and follow-up displayed.
- Recognize and respond to patient safety incidents.
- Provide effective handover during transitions of care.

Collaborator

- Demonstrate skill in dealing with staff from other services and allied health professionals.
- Act as a team member in discharge planning rounds.

Health Advocate

- Understand the clinical determinants of health affecting the ED patient population requiring emergency and elective surgical procedures under anaesthesia.
- Provide health care teaching and preventative health care measures to optimize patients' health prior to and following surgery.

Leader

- Manage patient care in preoperative, operative and postoperative anaesthesia settings.
- Demonstrate appropriate situational awareness during patient management and respond effectively during crisis situations.
- Appropriately triage and prioritize patients requiring urgent airway intervention.
- Effectively assemble a team and prepare for procedural sedation or other airway procedure.

Scholar

- Develop a personal study plan including reading about individual cases seen and in preparation for educational rounds.

Professional

- Prepare well for clinical and academic work.
- Exhibit a professional demeanor (appearance, punctuality, work ethic).
- Exhibit the following qualities: reliability, honesty, maturity, respect for others, accepts constructive criticism and demonstrates sincere concern for others

Map to CBME EPAs:

F1: Initiating and participating in resuscitation of critically ill patients

F4: Performing basic procedures

C1: Resuscitating and coordinating care for a critically ill patient

C3: Providing airway management and ventilation

C4: Providing emergency sedation and systemic analgesia for diagnostic and therapeutic procedures

C13: Performing advanced procedures