

Introductory Anesthesia Rotation Objectives University Hospital

During the Introductory Anesthesia Rotation, the resident will be expected to develop an understanding of the fundamentals of anesthesia practice, as well as to develop basic skills to support this understanding.

Medical Expert

- The Resident will be able to describe and implement clinical preoperative assessment, including risk assessment, and comprehensive anesthetic planning.
- The Resident will demonstrate an understanding of the physical principles relating to anesthesia equipment, as well as the safety aspects pertaining to this equipment, including equipment checking.
- The Resident will be able to apply their knowledge of the physical principles of monitoring systems to the clinical practice of anesthesia, with particular reference to common monitoring devices – EKG, Pulse Oximetry, Non Invasive and Invasive Blood Pressure Monitoring, Gas Analysis, Temperature Monitoring, Peripheral Nerve Stimulation.
- The Resident will be proficient at airway management, demonstrating competence with mask ventilation, airway insertion, direct laryngoscopy, and the use of lighted stylet and Laryngeal Mask Airway devices.
- The Resident will be able to describe the basic components of anesthesia (Analgesia, Amnesia, Areflexia, Unconsciousness and Muscle Relaxation / Immobility) and the appropriate clinical application of these modalities
- The Resident will demonstrate ability to assess, and manage with appropriate intervention, the respiratory and haemodynamic status of the patient during the perioperative period.
- The Resident should be proficient at securing peripheral intravenous access, and be familiar with techniques of arterial and central venous cannulation.
- The resident should be capable of performing spinal anesthesia, and be familiar with epidural techniques, as well as having good comprehension of the equipment, indications, limitations and contraindications for regional anesthesia.
- The Resident will be familiar with the pharmacology of commonly used drugs in the perioperative period, as well as drugs used during resuscitation, and in the management of patients with common co morbidities. They will be aware of common drug interactions.
- The Resident will be capable of providing anesthesia for ASA 1 and 2 patients undergoing uncomplicated surgery with minimal supervision

Communicator

- The Resident will be able to effectively communicate with patients and their families for the purpose of eliciting an appropriate history.
- The Resident will effectively communicate the risks and benefits of the anesthetic options available for the patient's surgery for the purpose of informing the patient and including them in the decision making process
- The Resident will demonstrate respect and courtesy to all patients, and be sensitive to the diversity of the population they serve.
- The Resident will be able to effectively communicate with all colleagues and members of the team involved in caring for the patient. They will be able to protect the patient's interest, and be confident to address concerns in an assertive but non-confrontational manner.

Collaborator

- The Resident will be a team player, and be able to appropriately consult other physicians for advice and further management of the patient.
- The Resident will cooperate with colleagues to ensure patient care and safety.
- The Resident will recognize the key interactions between members of the operating room team, and strive to facilitate optimal patient care.

Manager

- The Resident will learn by observation, and begin to be able to apply the principles of effective operating list management, through planning and preparation.

Health Advocate

- The Resident will continue to promote the health of their patient, and will develop a responsible attitude towards the utilization of finite healthcare resources.

Scholar

- The Resident will be self directed, and focused on their career learning objectives.
- The Resident will seek to apply the principles of evidence-based practice, and continually try to justify clinical decision making processes.
- The Resident should make a reasonable effort to prepare by prior reading or enquiry for each days work.
- The Resident should attend and participate in the formal teaching opportunities offered within the department, and develop an awareness of research activities within their environment.

Professional

- The Resident will demonstrate professional behavior towards senior and junior colleagues, patients and allied healthcare workers.
- The Resident will demonstrate a mature work ethic, in keeping with the privilege of practicing medicine.
- The Resident will apply ongoing self-assessment and have insight into their own ability.
- The Resident will accept advice and constructive feedback from their seniors at times of formal assessment.