

Rotation Educational Objectives Anesthesia (PGY-1)

Medical Expert

It is recognized that the resident may not be exposed to all elements of these objectives; however at the conclusion of the rotation the resident should demonstrate knowledge or competency in the following:

By the end of the rotation the resident will be able to:

1. Conduct a clinical preoperative assessment, including risk assessment, and basic anaesthetic plan.
2. Demonstrate an understanding of the physical principles relating to anaesthesia equipment, as well as the safety aspects pertaining to this equipment, including equipment checking.
3. Apply the physical principles of monitoring systems to the clinical practice of anaesthesia (e.g. EKG, pulse oximetry, non-invasive and invasive blood pressure monitoring, blood gas analysis, temperature monitoring, peripheral nerve stimulation)
4. Demonstrate knowledge of the basic components of anaesthesia (Analgesia, Amnesia, Areflexia, Unconsciousness and Muscle Relaxation / Immobility) and the appropriate clinical application of these modalities
5. Assess, and manage, with appropriate supervision, the respiratory and hemodynamic status of the patient during the perioperative period.
6. Demonstrate knowledge of the pharmacology of commonly used drugs in the perioperative period, as well as drugs used during resuscitation
7. Demonstrate awareness of common drug interactions and the management of patients with common co morbidities.
8. Demonstrate proficiency in airway management, demonstrating competence with mask ventilation, airway insertion, direct laryngoscopy, and the use of lighted stylet and Laryngeal Mask Airway devices.
9. Secure peripheral intravenous access, and demonstrate familiarity with techniques of arterial and central venous cannulation.
10. Provide anaesthesia for ASA 1 and 2 patients undergoing uncomplicated surgery, with supervision

Communicator

1. Obtain & synthesize relevant history from patient and family
2. Write clear consultation letters and progress notes
3. Explain anaesthesia procedures/treatments, including complications to patients and families in a clear and understandable form
4. Communicate effectively with patients and families.
5. Skillfully recognize and manage communication challenges

Collaborator

1. Work cooperatively with other physicians, nurses, therapists and other members of health care team
2. Maintain professional relationships with other health care providers
3. Provide thorough handover of all patients being transferred out of the OR.

Leader

1. Effectively manage multiple tasks & demands on time (i.e., follows up on reports, prioritizes tasks appropriately)
2. Utilize health care resources safely, effectively
3. Utilize information technology effectively
4. Work effectively in a health care organization

Health Advocate

1. Demonstrate familiarity with important determinates of health affecting patients undergoing anesthesia (e.g., smoking, obesity, drug or alcohol dependence, cervical disc problems, family history anesthetic problems) and address preventative measures
2. Advocate on behalf of patients

Scholar

1. Recognize gaps in knowledge and develop strategies to correct these
2. Read and prepare for scheduled clinical procedures
3. Develop knowledge of current literature/journals and participates in journal clubs
4. Take an evidence-based approach to management problems
5. Accept and act on constructive feedback

Professional

1. Recognize limitations and seeks advice and consultation when needed
2. Exercise initiative within limits of knowledge and training
3. Discharge duties and assignments responsibly and in a timely and ethical manner
4. Report facts accurately, including own errors
5. Maintain appropriate boundaries in work and learning situations
6. Show respect of diversity of race, age, gender, sexual orientation, disability, intelligence and socio-economic status