Y34 Anesthesiology

Course ID: MED 797S/997S
Discipline: Surgery
Prerequisites: 8 or more weeks of core clerkships.
Available Sites: Detroit (Ascension St. John Hospital), Lapeer, Midland Saginaw
Duration: 4 weeks

Description

This elective rotation is a four (4) week experience in anesthesiology. It is designed to provide the student with experience in airway management, procedural sedation and analgesia, venous access, hemodynamic monitoring and evidence based care of the operative/peri-operative patient. Individualized instruction will occur in anesthesia subspecialties, including cardiovascular, neurosurgical, obstetrical and pediatric anesthesia.

Key Objectives

- Demonstrate knowledge of the anatomy of the upper airway.
- Describe and identify predictors of a difficult airway
- Demonstrate skill in laryngeal mask airway (LMA) and orotracheal intubation as well as indications and complications for each technique.
- Identify relevant patient pre-operative history and physical exam information.
- Describe the mechanism of action, and contrast pharmacologic agents used for sedation, anesthesia, analgesia and amnesia.
- Gather a complete preoperative history and physical exam for at least 5 patient scheduled for anesthesia, including ability to evaluate for airway complications, difficulty and cardiorespiratory system.
- Perform and interpret hemodynamic intraoperative monitoring including cardiac monitoring, pulse oximetry, invasive/non-invasive blood pressure, CVP, inhalational agents, and expired CO2.
- Perform peripheral IV access on at least 20 real or simulated patients
- Demonstrate correct use of the bag-valve-mask device.
- Perform at least 20 simulated direct laryngoscopy and endotracheal intubations as well as perform direct laryngoscopy on at least 15 patients.
- Demonstrate the ability to communicate well with patients and family. The student should demonstrate respect for the health beliefs of other cultures and understand how differing health beliefs affect behavior and medical care.
- Present preoperative plans clearly and concisely to their resident and attending physician mentors.
- Be aware of the teamwork necessary to provide high-quality medical care in the perioperative setting.
- Understand the anesthesiologist’s perioperative role, which extends through preoperative evaluation, the administration of anesthesia and postoperative recuperation.
- Recognize the contributions of all members of the care team in the perioperative and intraoperative arena, and identify a unique situation of simultaneous co-management of a patient by the surgical and anesthetic teams.
• Demonstrate respectful communication with patients, faculty and staff.
• Recognize the impact of patient and family culture on anesthetic decision-making.

Assessment Method
College of Medicine standard elective assessment will be completed by supervising faculty at conclusion of elective clerkship.

Scheduling Information
Interested students should contact CMU College of Medicine Department of Distributed Clinical Education at CMEDDCE@cmich.edu.