



DEPARTMENT OF SURGERY
DEPARTMENT OF ANESTHESIOLOGY
ANESTHESIOLOGY ROTATION

University Hospital
Domino's Farms Preoperative Clinic

House Officer II

Curriculum/Rotation Goals and Objectives for
Surgery Residents

Anesthesiology

House Officer II

Goal: The surgery house officer will gain understanding of the physiologic changes associated with the induction, maintenance, and emergence of anesthesia and develop basic skills in intubation. The house officer will also learn core principles in anesthetic and surgical risk assessment and mitigation through experience at the pre-operative clinic. Additionally, the house officer will understand the basic pharmacology, kinetics, and interactions of common anesthetic drugs.

Learning Objectives:

Patient Care:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. Secure and maintain an airway without endotracheal tube placement
2. Place an endotracheal tube properly and safely
3. Place IV's and arterial lines in a sterile and safe manner
4. Administer conscious sedation in an appropriate fashion
5. Administer general anesthetic in a healthy patient under the direct supervision of an attending anesthesiologist

Medical Knowledge:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. List the physiologic changes associated with the induction and maintenance of general anesthesia
2. Discuss the concept and management of emergence from anesthesia
3. Provide the basic pharmacology of the major inhalational and parenteral anesthetic agents and how they interact with other medications
4. Recognize, diagnose, and treat malignant hyperthermia

Systems-Based Practice:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. Explain the role of a tertiary referral center in the surgical management of simple and complex problems
2. Demonstrate and practice cost-effective health care and resource allocation (i.e. reducing the use of unnecessary preoperative and postoperative screening and/or testing)
3. Explain institutional resources for patients and families in need of societal support and resources
4. Demonstrate awareness of the costs associated with providing anesthetic care to patients

Practice-Based Learning and Improvement:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. Present patients for discussion during rounds and conferences with appropriate literature references to support planned intervention
2. Use information systems to obtain pertinent information regarding surgical issues and problems

3. Use information systems to manage and provide patient-related information

Professionalism:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. Demonstrate respect, compassion, and integrity while caring for patients undergoing anesthesia
2. Demonstrate responsiveness to the needs of patients and society that supersedes self-interest
3. Demonstrate accountability to patients, society, and the professions of Surgery and Anesthesiology
4. Maintain confidentiality of patient information
5. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities

Interpersonal and Communication Skills:

By the end of the Anesthesiology rotation, the HO II resident will be able to:

1. Create and sustain a therapeutic and ethically sound relationship with patients and families
2. Demonstrate effective listening skills
3. Demonstrate effective non-verbal, explanatory, questioning, and writing techniques while providing information to patients and families
4. Collaborate effectively with other members of the health care team
5. Obtain informed consent for anesthesia and related procedures