

Elective Rotation Description: Anesthesiology

I. General Information

- A. This is an elective rotation available to Preliminary Year PGY-I residents and PGY-II or PGY-III residents. The purpose of the rotation is to introduce residents to important principles of anesthesiology. This includes assessment of anesthesia risk, selection and monitoring of anesthetic agents, and demonstration of important procedures in anesthesiology.
- B. Faculty: Jon Quinn, M.D. (Course Director)
& other members of Associated Anesthesiologists, P.C.

II. Orientation to Rotation

- A. Resident should contact the course director, Dr. Quinn, prior to the start to the start of the rotation to discuss the specific schedule for the rotation. Dr. Quinn can be reached through his office in 1215 Pleasant Street, Suite 400 (241-5722) or through the OR scheduling desk (241-6214).
- B. Dr. Quinn will explain the logistics of the rotation and provide appropriate reading materials for use during the rotation. Dr. Quinn will assist the resident in developing a schedule of anesthesia-related activities the resident will participate in and which attending faculty anesthesiologists they will work with.

III. Objectives and Description of Rotation

- A. Cognitive Objectives: The resident will obtain a broad exposure to principles of anesthesiology during the rotation. In the course of the rotation the resident will learn:
 - 1. Pertinent aspects of pre-operative patient evaluation related to anesthesia risks.
 - 2. The major anesthetic techniques available including their advantages and disadvantages relative to the patient and the proposed surgical procedure.
 - 3. Pharmacology of anesthetic agents and adjuvant drugs including commonly used:
 - a. induction agents
 - b. inhalation anesthetics
 - c. narcotics and sedatives
 - d. muscle relaxants

4. Basic physiology of surgical patients and the impact of anesthesia on major organ systems including:
 - a. central nervous system
 - b. cardiovascular system
 - c. pulmonary system
 - d. renal system
 - e. hepatobiliary system
 5. The importance and methods of intraoperative monitoring techniques for patients under anesthesia.
 6. The pharmacologic manipulation of the cardiovascular system commonly utilized during anesthesia.
- B. Technical skills: The resident will have opportunities to perform some procedures under the guidance of supervising faculty anesthesiologists. These procedures may include:
1. Peripheral venous access
 2. Airway maintenance by mask or endotracheal intubation
 3. Intra-arterial catheters
 4. CVP catheters via subclavian or internal jugular routes.
 5. Swan Ganz catheter placement

IV. Educational Materials

Anesthesiology textbooks and relevant reading materials specific to patient concerns will be available to the resident for review during the course of the rotation.

V. Mechanics of Rotation

- A. Patient care responsibilities: The resident will be assigned to work with an attending faculty anesthesiologist who will identify which patients they will assist in providing anesthesia care to each day.
- B. Medical records: The resident will be responsible for record completion for patients seen as directed by supervising faculty.
- C. Procedure requirements: Residents should maintain a log of any procedures performed under supervision during the rotation and obtain faculty documentation in their procedure log book for any successfully performed procedures.

- D. Resident Continuity of Care Clinics: The resident will need to attend assigned continuity of care clinics during the rotation.
- E. Daily schedule: Resident should plan to attend Wednesday morning conferences and the Monday, Wednesday, Friday noon lectures. This should be explained to Dr. Quinn prior to the start of the rotation and reinforced with attending faculty on the day of these conferences. Otherwise the daily schedule of clinical activities for the rotation will be developed in consultation with Dr. Quinn.

VI. Evaluation

At the end of the rotation, the resident will be evaluated by the supervising faculty. Personal feedback will be provided and an evaluation form will be completed and returned to the residency office. The evaluation form will be reviewed and signed by the resident.

The resident will be evaluated by faculty in each of the required six general competency areas as follows:

1. **Patient Care:** Demonstrate ability to effectively evaluate and plan care for patients requiring local, regional or general anesthesiology assistance.
2. **Medical Knowledge:** Demonstrate understanding of common anesthesiology problems encountered in patients.
3. **Practice-Based Learning:** Demonstrate ability to identify gaps in knowledge and skills in the care of patients with common anesthesiology concerns and demonstrate real-time strategies to address these gaps.
4. **Interpersonal and Communication Skills:** Demonstrate adequate communication abilities in dealings with patients seen during the rotation. Demonstrate timely and complete medical records.
5. **Professionalism:** Demonstrate respectful behavior towards patients and families, surgery and anesthesiology colleagues, nurses and other allied health personnel. Always protect patient confidentiality and provide informed consent.
6. **Systems-Based Practice:** Collaborate with nursing and other allied health care providers to assure timely, comprehensive care provided and assure proper follow-up is arranged.

