

**NAVAL MEDICAL CENTER  
SAN DIEGO, CALIFORNIA**

**DESCRIPTION OF CLINICAL CLERKSHIP**

**DEPARTMENT OF ANESTHESIOLOGY**

**LOCATION:**

Naval Medical Center, San Diego will be the site of all clinical training for rotating medical students in anesthesiology.

**LENGTH OF ROTATION:** Four weeks.

**SCHEDULING:**

Clinical clerkships in Anesthesiology are arranged by Ms. Alex Littleton for all HPSP/HCSP Students and Mrs. Erin Quiko for all USUHS students here at the Naval Medical Center San Diego. They will forward requests to the ANES residency program coordinator for review and approval, and rotation schedule availability. The clinical clerk is then contacted by the appropriate POC in reply.

**CLINICAL EXPERIENCE:**

The third year anesthesia clerkship is a two-week rotation in which students will be involved in the perioperative care of patients undergoing anesthesia and surgery. This rotation will integrate basic sciences into the clinical care of patients. All students, no matter their chosen specialty, will one day be called upon to evaluate a patient's readiness for surgery. This clerkship will introduce students to a systemic approach of preoperative evaluation highlighting those co-existing diseases of particular concern to the anesthesiologist. Critical technical skills required of all physicians including airway management and intravenous catheter placement will be taught by experts. Students will be introduced to physiologic monitors used in all medical specialties. Finally, as all physicians are involved in pain management, students will be exposed to the various treatments of both acute perioperative pain and chronic pain management, emphasizing the comprehensive multimodal approach.

**COURSE GOALS:**

Students will learn basic physiologic and pharmacologic principles and clinical hands-on skills applicable to both the practice of anesthesiology and to other clinical areas of medicine.

**OBJECTIVES:**

Affective:

1. Demonstrate personal responsibility and assertiveness in pursuing medical education

Cognitive:

1. Demonstrate knowledge of the N.P.O. guidelines
2. Demonstrate knowledge of the ASA physical status classifications
3. Demonstrate knowledge of the indications for and steps required for rapid sequence intubation
4. Demonstrate application of the ACC/AHA guidelines for perioperative cardiac evaluation for noncardiac surgery
5. Formulate a plan for perioperative fluid management on at least three patients

6. Demonstrate understanding of the pharmacology of commonly used drugs in anesthesia (induction drugs, inhalational anesthetics, narcotics, muscle relaxants, sedative hypnotics, local anesthetics and emergency medications)
7. Demonstrate understanding of the components of monitored anesthesia care, general anesthesia and regional anesthesia.

**Procedural:**

1. Witness at least 1 rapid sequence induction
2. Attempt a minimum of 5 IVs with supervision
3. Attempt a minimum of 3 intubations or LMA placements
4. Successfully demonstrate maintenance of mask airway on 5 patients
5. Participate a minimum of 3 times in the complete preoperative set up process to include room set up, machine check and equipment set up.
6. Perform complete appropriate preoperative evaluation and examination of at least 2 patients
7. Demonstrate appropriate physical examination of the airway prior to intubation on at least 3 patients in addition to the two complete preoperative evaluations.

**TEXT:**

**Basics of Anesthesia, Stoelting & Miller, Fifth Ed.**

**Required Reading:** *Chapters 5,7,13, and 16*

**Optional Reading:** *Anything else that comes up in your clinical work or otherwise interests you*

This textbook was selected because it is complete, concise, and current. The text emphasizes those aspects of anesthesiology that should be known by all physicians, and provides an excellent review of pharmacology and physiology.

**GRADING:**

Sixty percent of your grade will be comprised of your clinical evaluations and forty percent will come from a multiple-choice written examination. You must turn in a completed Clinical Passport and your evaluation of the anesthesiology rotation in order to receive a grade.

**Student responsibilities:**

1. Actively pursue their own education by asking questions and participating as fully as possible in the perioperative care of patients
2. Helping the CRNA, resident or anesthesiology staff set up the operating room and prepare for cases
3. Performing procedures under appropriate supervision
4. Attending all teaching conferences and workshops
5. Please have a minimum of 5 Daily Evaluation Sheets filled out by either Staff MD's or Staff CRNA's during the course of your rotation. See Venus Mendoza for additional copies of the evaluation form, or print the necessary copies as needed.

**POINT OF CONTACT:**

For further questions, contact Dr. Bryan Vander Schuur at (619) 532-8946.