UCLA GENERAL SURGERY RESIDENCY PROGRAM
ROTATION GOALS AND OBJECTIVES

UPDATED: July 2009

ROTATION: ANESTHESIA

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CHIEF OF ANESTHESIA: Patricia Kapur, M.D.

SITE: UCLA Medical Center

GOALS:

1. Become familiar with basic equipment involved with providing anesthesia
2. Obtain clinical experience in airway management
3. Obtain experience in the perioperative and intraoperative management of patients receiving general or regional anesthesia

LEVEL OF TRAINEE: R1

ASSESSMENT:

Monitoring of the accomplishment of the stated objectives will be performed using the following methods:

1. Global Rating: end of rotation evaluation of resident performance to assess the resident’s demonstration of Core Competencies with respect to the stated objectives by faculty, other team members, students, and nursing staff.
2. Case Logs: auditing of operative cases pertinent to the specialty in the Surgical Operative Log.
3. Written Examination: performance on the annual ABSITE examination, Body as a Whole, Cardiovascular and Respiratory sections
4. Patient Survey: performance will be assessed by patient surveys administered through the rotation.

DESCRIPTION OF THE ROTATION:

The Anesthesia rotation will consist of 2 weeks at the PGY1 level. The rotations will take place at the CHS UCLA Medical Center main OR area.

1. The rotating residents will provide perioperative and intraoperative anesthesia care to inpatients and outpatient patients requiring operative interventions under local or regional anesthesia
2. They will also be part of the on call Anesthesia team that responds to blue codes and trauma codes and assists in establishing emergency non-surgical airway.
3. The rotating residents will participate in all Department of Surgery educational conferences and didactic presentations.
4. They are also expected to actively participate and present at the weekly Anesthesia Conference.
COMPETENCY BASED LEARNING OBJECTIVES:

**Patient care:**

1. Complete a comprehensive physical examination and clinical data history, including pertinent diagnostic laboratory and radiographic findings for all patients undergoing surgical procedures under general or regional anesthesia under their care.
2. Induce and reverse anesthesia and establish an airway in patients undergoing surgical procedures.
3. Monitor patients under anesthesia and manage unstable and critically ill patients undergoing surgical procedures.
4. Recognize, prevent and treat common complications associated with administration of anesthetics, sedatives and muscle relaxants.
5. Properly prepare the anesthesia workstation.
6. Properly perform a checkout and preparation of the anesthesia machine.
7. Demonstrate the ability to use basic monitors and automated record keeping systems.
8. Understand the importance of the pre-operative assessment.
9. Understand the importance of performing a post anesthesia visit and writing appropriate notes in the chart of every patient.
10. Understands the necessity for appropriate patient monitoring.

**Medical Knowledge:**

1. Describe the role of the anesthesiologist as a perioperative physician.
2. Define the components of anesthetic management:
   a. Amnesia
   b. Analgesia
   c. Hypnosis
   d. Muscle relaxation
3. Describe the stages of anesthesia.
4. Understand the need for a rapid sequence induction.
5. List criteria for safe extubation of patients emerging from general anesthesia.
6. Display a basic understanding of anesthesia machine function.
7. Describe the basic standards for patient monitoring.
8. Understand different airway management techniques, (mask and oral /nasal airway, laryngeal mask airway, endotracheal tube).
9. Demonstrate the anesthesia machine preoperative checkout.
10. Demonstrate the layout of an anesthesia workstation in an organized and logical fashion to minimize drug administration errors.
11. Demonstrate the ability to set up an IV infusion, a hotline, and arterial line, simple intravenous syringe pumps and Imed infusors.
12. Demonstrate the ability to perform bag mask ventilation, insert a laryngeal airway and an endotracheal tube using mannequins.
13. Demonstrate the ability to perform Cardiopulmonary resuscitation.
14. Demonstrate the ability to use a automatic cardiac defibrillator.
Practice Based Learning:

1. Develop a personal program of self-study and professional growth with guidance from the teaching staff and senior residents. An understanding of the etiology, pathogenesis, pathophysiology, diagnosis and management of common situations encountered while administering anesthesia will allow for sound medical judgment, which relies on knowledge, rational thinking and the medical literature.
2. Accept criticisms with the understanding that the mutual goal is to improve patient care and personal performance.
3. Utilize current literature resources to obtain up-to-date information in Anesthesia care and practice evidence-based medicine.
4. Participate in activities of the Anesthesia Department (including all teaching conferences) and assume responsibility for teaching and supervision of subordinate surgical house staff, and medical students.
5. Participate in the Department Morbidity & Mortality conference and utilize information to further improve patient care.

Professionalism:

1. Practice compassionate patient care maintaining the highest moral and ethical values with a professional attitude.
2. Describe the anesthesiologist's responsibilities to ensure patient safety.
3. Express understanding of HIPPA regulations as they pertain to management of patient care data.
4. Demonstrate understanding of the needs and feelings of others, including the patient's family members, allied health care personnel (nurses, clerical staff, etc.), fellow residents, and medical students.
5. Communicate and collaborate effectively in a team of health care providers.
6. Demonstrate respect, compassion and integrity in the care of patients on a daily basis.
7. Demonstrate mature and educated approach to Ethical issues commonly encountered in the field of Anesthesiology.
8. Show sensitivity to patients culture, age, gender and disabilities.
9. Be self-aware and have knowledge of professional limits by practicing on-going medical education and self-improvement.
10. Be accountable to profession in their actions and decisions.
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Interpersonal Relationships And Communication:

1. Create and sustain a therapeutic and ethically sound relationship with patients and patient families.
2. Work effectively with other members of the medical team including allied healthcare personnel (nurses, clerical staff, etc.), fellow residents, and medical students.
3. Maintain professional interactions with other health care providers and hospital staff.
4. Understand the role of the preoperative evaluation as it applies to the development of a therapeutic patient relationship.
5. Identify common barriers to effective communication in both themselves and others and establish tools to facilitate effective communication.

Systems Based Practice:

1. Understand how the health care organization affects surgical practice.
2. Demonstrate cost effective health care.
3. Be able to coordinate multi-specialty and multidisciplinary care.
4. Follow established practices, procedures, and policies of the Departments of Anesthesiology and Surgery and all integrated and affiliated hospitals.
5. Maintain complete of medical records operative notes staff sheets and notes, patient database cards and other patient care related documentation in a timely, accurate and succinct manner.

References:

UW Anesthesiology Resident Manual March 2005
Chapters:

1. The Practice of Anesthesiology
2. The Operating Room,
4. The Anesthesia Machine
5. Airway Management.

ASA Standards for Basic Monitoring (see appendix)
Anesthesia Machine check list (see appendix)