



UNC
PLASTIC SURGERY

UNC DIVISION OF PLASTIC AND RECONSTRUCTIVE SURGERY

PGY-6 OFFICE-BASED ANESTHESIA ROTATION: COMPETENCY-BASED GOALS AND OBJECTIVES

Institutions: UNC and various private clinics and outside hospitals

Supervisors: UNC faculty and adjunct faculty, including: Brian Coan, MD, Glenn Davis, MD, Russell Stokes, MD

MEDICAL KNOWLEDGE

Goal: The resident will achieve a detailed knowledge of the techniques and practice of anesthesia.

Objectives:

1. Discuss the preoperative anesthesia evaluation, including the identification of risk factors (i.e., chronic lung disease, cervical spine disorder) that is critical to the formulation of a safe anesthetic plan.
2. Discuss the appropriate use of regional vs. general anesthesia for a given patient and given procedure and become familiar with the continuum from sedation to general anesthesia.
3. Discuss the indications and contraindications for basic anesthetic agents.
4. Outline the appropriate NPO guidelines for adult and pediatric patients.
5. Learn techniques associated with safe surgery under local anesthesia and IV sedation.
6. Describe the common postoperative pain and nausea management modalities.
7. Discuss patient selection in an isolated office environment.

PATIENT CARE

Goal: The resident will provide patient care that is compassionate, appropriate, and effective for the treatment of surgical problems.

Objectives:

1. Participate in the pre-operative evaluation process and development of the anesthetic plan, set-up and check all necessary anesthesia equipment for a surgical procedure.
2. Participate in the induction, administration, and emergence of general anesthesia and procedures performed under local anesthesia with IV sedation.
3. Perform intraoperative monitoring of patients under anesthesia.
4. Discuss and observe the management of complications of general anesthesia.
5. Perform effective airway management skills, including:
 - a. mask ventilation
 - b. endotracheal intubation

- c. laryngeal mask airway
- d. oral and nasal airways

6. Maintain an airway in an anesthetized, spontaneously ventilating healthy patient.
7. Participate in the post-anesthesia care unit management of patients including ventilator support, pain management, blood pressure control, fluid management, monitoring and appropriate time of discharge.
8. Discuss emergency patient transfer protocols.

PRACTICE-BASED LEARNING AND IMPROVEMENT

Goal: The resident will investigate and evaluate his or her own patient care practices, appraise and assimilate scientific evidence, and improve patient care practices.

Objectives:

1. Use information technology to prepare for cases, bringing to the OR the knowledge of current modalities of care and the scientific evidence for that care.
2. Routinely analyze the effectiveness of own practices in caring for surgery patients.
3. Improve own practices in the care of patients by integrating appropriately gathered data and feedback.
4. Educate medical students and other healthcare professionals in the practices of surgery.
5. Function independently with graduated advancement and appropriate faculty supervision.
6. Use library sources to perform research and perform literature searches.
7. Understand the principles of clinical research and the application of biostatistics.

INTERPERSONAL AND COMMUNICATION SKILLS

Goal: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

Objectives:

1. Educate patients and families in perioperative anesthesia care.
2. Demonstrate compassion for patients and families.
3. Provide adequate counseling and informed consent to patients.
4. Listen to patients and their families.
5. Assimilate data and information provided by other members of the health care team, particularly the coordination of the surgical and anesthetic plan.
6. Chart and record accurate information.

SYSTEM-BASED PRACTICE

Goal: The resident will demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.

Objectives:

1. Coordinate all aspects from the pre-anesthetic assessment to the post-anesthetic care for patients.
2. Demonstrate knowledge of cost-effective anesthetic care.
3. Advocate for patients within the health care system.
4. Refer patients to the appropriate practitioners and agencies.

5. Facilitate the timely discharge of same-day surgery patients.
6. Work with primary care physicians and other consultants such as cardiologists, toward the safe administration of anesthesia.

PROFESSIONALISM

Goal: The resident will demonstrate a commitment to carrying our responsibilities professionally, adherence to ethical principles, and sensitivity to a diverse patient population.

Objectives:

1. Develop a sensitivity of the unique stresses placed on families under care for surgical diagnoses.
2. Exhibit an unselfish regard for the welfare of surgical patients.
3. Demonstrate firm adherence to a code of moral and ethical values.
4. Demonstrate respect for patients and their families especially in times of stress to the family unit.
5. Respect and appropriately integrate other members of the health care team.
6. Provide appropriately prompt consultations when requested.
7. Demonstrate sensitivity to the individual patient's profession, life goals, and cultural background as they apply to health care.
8. Be reliable, punctual, and accountable for own actions in the OR and clinic.
9. Understand the concepts of autonomy, beneficence, nonmalficence, justice, and respect for life.
10. Maintain patient confidentiality.