General OR Rotation
Goals and Objectives

Department of Anesthesiology and Perioperative Medicine
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Introduction

The goal of this multi-month rotation is to teach the essential skills of basic anesthesia necessary to provide a foundation on which to build the skills and knowledge required for safe anesthetic management of all types of patients. This rotation will help develop expertise in routine anesthetic management of patients undergoing a wide variety of surgical procedures including:

- Orthopedic
- Maxillofacial
- ENT and ophthalmology
- Gynecologic
- Urologic
- Plastic surgery
- General surgery
- Trauma surgery
- Robotic procedures

The residents will have these types of cases assigned according to their level of training and be assigned appropriate faculty with skills sufficient to teach the resident.

The majority of the residents assigned to this rotation are CA-1 residents. CA-2 and CA-3 assigned to this rotation will be given increased autonomy and higher expectations.

Resident Responsibilities

Residents are expected to:

- Document all duty hours in One45 and attest that they have read goals and Objectives prior to starting their rotations
- Document or verify all procedures, consultations, and clinical activity in the ACGME database
- Act in a professional and ethical manner in interactions with patients, nursing, and Medical staff
- Participate in the following activities during the workday:
  o Discuss all cases with their supervising faculty indicating anesthetic plan and significant issues. This is ideally done the night before surgery.
  o Report to work on time to prepare the anesthetizing location, review available records, identify the patient, establish IV access, and bring the patient to the OR at the scheduled time.

- Residents without a scheduled case also must report to work by 7 am
  o unless specifically excused by the Clinical Director
  o Residents must be available by beeper call at all times unless on leave
Cases are generally assigned based on schedule but re-assignments are possible and it is your responsibility to keep track of the schedule.

**Goals for CA-1 Residents**
- Understand universal precautions for anesthesia administration
- Understand the basic knowledge and master basic skills required of anesthesiologists
- Understand and be able to check the anesthesia machine, monitoring equipment and airway equipment.
- Learn EHR (Cerner) and CompuRecord available at Georgia Regents Health System.
- Develop competency in good communication skills and ability to interact effectively with surgeons, nurses and other personnel in the OR.
- Develop expertise in pre-operative anesthetic assessment of inpatients and ambulatory patients
- Postoperative evaluations and management
- Understand the unique features and requirements for ambulatory surgery including discharge criteria and PONV management.

**Goals for CA-2 Residents**
- In addition to the goals expected of CA-1 residents, CA-2 residents will be able to make independent decisions under supervision by an attending, work with increasing autonomy and advocate for patient safety.
- Develop an effective strategy for improving performance of complicated procedural tasks in the context of a busy clinical practice.
- Acquire the knowledge and skill to competently perform specialized anesthesia procedures, methods and techniques including central line placement, arterial line placement and neuraxial blocks.
- Understand and participate in ongoing clinical research and be actively involved in Departmental M&M meeting and presentation of medically challenging cases.

**Goals for CA-3 Residents**
By the third clinical year, the resident can assume even more responsibility for case management of more complex cases.
- Supervise junior residents and teach medical students
- Independently develop safe Anesthetic plan for patients
- Develop and set up an OR environment including safety precautions for personnel
- Prepare for senior academic project

**Objectives for Patient Care**
Residents must be able to provide patient care that is compassionate, appropriate and effective for the treatment of health problems and the promotion of health in progressively more complex patients.

**Develop Competency in:**
- Principles of the pre-op evaluation including specific considerations for specific disease processes
- Design of an anesthetic plan suitable for an ambulatory surgery and patients undergoing complex procedures
- Premedication pharmacology including specific dosages and routes of administration
• Develop good understanding of Anesthesia monitors (non-invasive and invasive monitors)
• Be compliant with SCIP measures and understand the guidelines
• Induction of anesthesia, airway management, including straightforward and difficult airway
• Successfully and safely maintenance of the anesthesia intraoperatively with minimal compromise to the patient’s homeostasis.
• Safe emergence from anesthesia for the patient
• Appropriate postoperative care, including PONV, pain management, respiratory or cardiovascular complications
• Learn appropriate documentation and billing methods

Objectives for Medical Knowledge

• Thorough understanding of the fundamental physiology, pharmacology of the anesthetic management
• Basic understanding of each surgical procedure involved
• Case specific problems related with the procedure, such as robotic surgery, laparoscopic surgery, orthopedic surgery etc.
• Anesthetic equipment and Anesthesia machine
• Pathophysiology of co-existing disease
• Monitoring
• Acid-base, fluid, blood, and temperature management

Objectives for System-based Practice

Residents must demonstrate an awareness of and responsiveness to the larger context and system of GR Healthcare, as well as the ability to call effectively on other resources in the system to provide optimal health care.

Residents are expected to:

• Function as a member of an intra-operative team with nurses, surgeons, and other health professionals.
• Practice cost effective health care and resource allocation that do not compromise the health of the patient
• Advocate for quality patient care
• Partner with health care managers and health care providers to assess coordinate and improve health of their patients

Objectives for Practice-based Learning and Improvement

Residents are expected to:

• Locate, appraise, and assimilate evidence from scientific studies related to their patients’ health
• Able to access online medical information to manage patients as well as support their own education
• Able to use hospital based computerized record system as well as efficiently use the computerize record.
• Analyze practice experience and perform practice based improvement activities using a systematic methodology
• Facilitate the learning of students and other health care providers
• Recognize limitations and ask for help when appropriate
• Learn from experience
Objectives for Interpersonal and Communication Skills
Residents must be able to demonstrate interpersonal and communication skills that result in effective information exchange with patients and their families as well as professional associates.

Residents are expected to:
- Effectively obtain pertinent medical history from the patient and/or their family
- Effectively describe available anesthetic options at appropriate age and education specific levels
- Communicate with OR nurses, and other support staff concerning the care of the patient
- Communicate with surgeons about the anesthetic plan as well as the intraoperative management of the patient
- Communicate with faculty and develop a plan for the anesthetic management of the patient
- Communicate with the PACU care team and give report concerning the intraoperative course of the patent as well as post operative management.
- Work effectively with other members of the health care team
- Maintain comprehensive, timely, and legible medical records

Objectives for Professionalism
Residents must Demonstrate
- A commitment to carrying out professional responsibilities i.e. willingness to work (arrives on time, desire to help other members of the team, etc.)
- Adherence to ethical principles
- Sensitivity and responsiveness to a patient’s culture, age, gender and disabilities.
- Desire to learn (attendance to didactic sessions, case reviews, in-services, etc.)
- Continuity of care: Willingness to provide continuous care intra and postoperatively.

Method of Evaluation
- Daily feedback from attending
- Evaluations on One45
- Anesthesia knowledge test (AKT) and ITE scores
- Oral Board Review sessions

Suggested Reading
- Miller’s Anesthesia
- Clinical Anesthesia (Barash)
- Clinical Anesthesiology (Morgan, Mikhail, Murray)
- Anesthesia and Co-existing Disease (Stoelting)
- www.openanesthesia.org

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