

Rotation Director (email)	Jeffery Clemmons, MD ( <a href="mailto:Jeffery.clemmons@vumc.org">Jeffery.clemmons@vumc.org</a> )
Rotation Name	Ambulatory Regional Anesthesia (Fellow)

## COURSE OVERVIEW

Course Overview (75 – 100 words describing the course)

This rotation is focused on safe and effective performance of regional anesthesia in a busy ambulatory surgical center environment. This includes: 1) Screening of patients for regional anesthesia indications and contraindications. 2) Performance of regional blocks in a safe, effective, and efficient manner. 3) Optimization of anesthetic management to facilitate patient recovery, minimizing pain, nausea and other anesthetic effects. 4) Patient follow-up to assure block resolution, effective use of continuous catheters, and acceptable documentation of all the above. 5) Supervision of junior trainees in the performance of above activities.

## LEARNING OBJECTIVES

Examples of verbs to be used in stating the learning objectives:

<b>Knowledge</b>	<b><i>Knowledge Recall</i></b>	define, repeat, list, name, restate, identify, report
	<b><i>Knowledge Analysis</i></b>	distinguish, differentiate, analyze, calculate, compare, relate, categorize
	<b><i>Knowledge Synthesis</i></b>	compose, propose, design, formulate, construct, organize
	<b><i>Knowledge Application</i></b>	interpret, apply, employ, illustrate
<b>Skills</b>	Demonstrate (a procedure)	
	Perform (a physical exam)	
	Determine the presence of (a finding)	
	Use (lab tests)	
	Point out (a physical finding)	
	Keep track of (lab data)	
<b>Attitudes</b>	Practice (a technique)	
	Show consideration (for patient comfort)	
	Show respect (for colleagues)	
	Pay attention (to patient concerns)	
	Express point of view	
	Express satisfaction in doing a particular activity	

**Patient Care:** Fellows must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Consistently perform regional anesthesia techniques efficiently and safely with minimal complications	<input type="radio"/> Direct observation/Faculty Feedback   
Objective 2.	Formulate anesthesia plans for patients undergoing ambulatory surgery, including consideration of medical, anesthetic, and surgical risk factors	<input type="radio"/> Direct observation/Faculty Feedback   
Objective 3.	Optimize patient recovery from anesthesia, treating issues such as PONV, pain.	<input type="radio"/> Direct observation/Faculty Feedback   

**Medical Knowledge:** Fellows must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Explain safety standards and guidelines specific for ambulatory surgery centers (ASC).	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Written test <input type="radio"/> Oral presentation/quiz
Objective 2.	Perform preoperative evaluation of ASC patients, including assessment of patient appropriateness for ambulatory surgery.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Oral presentation/quiz
Objective 3.	Describe techniques for regional anesthesia, IV sedation, and multimodal analgesic therapy in the ambulatory surgery setting	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Oral presentation/quiz
Objective 4.	Explain patient discharge criteria and management of emergencies in the ambulatory setting, including hospital transfer protocols.	<input type="radio"/> Direct observation/Faculty Feedback

**Practice-based Learning and Improvement:** Fellows must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning. Fellows are expected to develop skills and habits to be able to meet the following goals:

- identify strengths, deficiencies, and limits in one’s knowledge and expertise;
- set learning and improvement goals;
- identify and perform appropriate learning activities;
- systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement;
- incorporate formative evaluation feedback into daily practice;
- locate, appraise, and assimilate evidence from scientific studies related to their patients’ health problems;
- use information technology to optimize learning; and,
- participate in the education of patients, families, students, residents and other health professionals.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Respond to real-time suggestions and advice for improvement in procedural technique, incorporating these suggestions into current and future performance.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> <input type="radio"/> <input type="radio"/>
Objective 2.	Teach patients to use peripheral nerve pumps and respond to patient questions or concerns.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> <input type="radio"/> <input type="radio"/>
Objective 3.	Supervise residents performing regional anesthetics, providing real-time and post-procedure feedback to a trainee that improves patient care and procedural performance.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> <input type="radio"/> <input type="radio"/>
Objective 4.	Assess block success consistently and accurately after procedural performance. Respond to inadequate anesthesia in an appropriate way based on the clinical situation.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Written test <input type="radio"/> Oral presentation/quiz <input type="radio"/>

**Interpersonal and Communication Skills:** Fellows must demonstrate interpersonal and communication

skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. Fellows are expected to:

- communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;
- communicate effectively with physicians, other health professionals, and health related agencies;
- work effectively as a member or leader of a health care team or other professional group;
- act in a consultative role to other physicians and health professionals; and,
- maintain comprehensive, timely, and legible medical records, if applicable.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Seek and obtain informed consent for regional anesthesia procedures, including providing procedure-specific side effects and risks as well as other relevant information.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Written test <input type="radio"/> Oral presentation/quiz
Objective 2.	Use assistants effectively during performance of regional anesthesia, providing clear verbal instructions as appropriate (directing patient positioning, aspiration, injection, image recording, nerve stimulator adjustments, etc.)	<input type="radio"/> Direct observation/Faculty Feedback
Objective 3.	Confer with other teams (surgical, anesthesia, and nursing) to help define a regional anesthesia treatment plan and subsequently provide report on procedures performed, medications administered, and expected repercussions on further patient care.	<input type="radio"/> Direct observation/Faculty Feedback
Objective 4.	Maintain a cordial, collegial working relationship with nursing and other staff despite time and production pressures of a busy ASC environment.	<input type="radio"/> Direct observation/Faculty Feedback

**Professionalism**

Fellows must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Fellows are expected to demonstrate:

- compassion, integrity, and respect for others;
- responsiveness to patient needs that supersedes self-interest;
- respect for patient privacy and autonomy;
- accountability to patients, society and the profession; and,
- sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Demonstrate responsiveness to patient needs that supersedes self-interest.	○ Direct observation/Faculty Feedback
Objective 2.	Demonstrate compassion, integrity, and respect for others.	○ Direct observation/Faculty Feedback
Objective 3.	Demonstrate respect for patient privacy, modesty and autonomy.	○ Direct observation/Faculty Feedback
Objective 4.	Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.	○ Direct observation/Faculty Feedback

### Systems-based Practice

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

Fellows are expected to:

- work effectively in various health care delivery settings and systems relevant to their clinical specialty;
- coordinate patient care within the health care system relevant to their clinical specialty;
- incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;
- advocate for quality patient care and optimal patient care systems;
- work in interprofessional teams to enhance patient safety and improve patient care quality; and
- participate in identifying system errors and implementing potential systems solutions.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Coordinate care with surgeons to provide optimal anesthesia and analgesia for surgical patients.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> <input type="radio"/> <input type="radio"/>
Objective 2.	Incorporate considerations of cost awareness and risk-benefit analysis in patient-based care.	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> Oral presentation/quiz <input type="radio"/> <input type="radio"/>
Objective 3.	Provide perioperative care that maximizes patient recovery and discharge-readiness	<input type="radio"/> Direct observation/Faculty Feedback <input type="radio"/> <input type="radio"/> <input type="radio"/>

### TEACHING METHODOLOGIES

Students on this rotation will be expected to learn and achieve the learning objectives through the following methodologies and activities:

- |   |   |
|---|---|
| <input type="radio"/> Lecture<br><input type="radio"/> Lab<br><input type="radio"/> Conference<br><input type="radio"/> Seminar | <input type="radio"/> Clinical Experience<br><input type="radio"/> Research<br><input type="radio"/> Small Group<br><input type="radio"/> Independent Study |
|---|---|

### PATIENT ENCOUNTERS

Fellows on this rotation will be expected to work up and/or manage the minimum number of patients/cases per 4 week rotation with the specified conditions as listed below: (e.g., 10 craniotomies, 20 vaginal deliveries with CLE, etc.)

Number	Patient Condition / Case
30	Orthopedic knee, foot, or ankle surgeries
30	Orthopedic shoulder or hand surgeries
60	Peripheral nerve blocks for orthopedic cases
5	IV Regional anesthesia

### FEEDBACK

Please identify when and how the student will receive feedback on his/her performance.

Daily <input type="radio"/> Written <input type="radio"/> Verbal	Final <input type="radio"/> Written <input type="radio"/> Verbal
--	--

SUBMITTED BY \_\_\_\_\_

Today's date \_\_\_\_\_