

Rotation Director (email)	Brian Allen, MD (brian.allen@vumc.org)
Rotation Name	OR Anesthesiology (Fellow)

COURSE OVERVIEW

Course Overview (75 – 100 words describing the course)
This rotation is focused on safe and effective performance of operating room anesthesiology in an anesthesia care team model. Fellows are introduced to a supervisory role meant to simulate the realistic pressures and demands placed upon the leader of an anesthesia team responsible for providing care to various patients. The fellow will be paired daily with an anesthesiologist to manage 2-4 operating rooms, with responsibility to: 1) Perform preoperative evaluations of patients. 2) Prescribe an appropriate, optimized anesthesia plan. 3) Carry out the anesthesia plan while providing appropriate supervision to the CRNA, SRNA, or resident in each room. 4) Maintain awareness of patient status in multiple rooms. 5) Manage patients into the PACU, following up and assuring good recovery. 6) Manage any patient or surgical complications. Each attending physician will provide supervision focused on improving the fellow's communication skills, professionalism, confidence, and ability to collaborate with other professionals in a dynamic environment.

LEARNING OBJECTIVES

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

Knowledge	<i>Knowledge Recall</i>	define, repeat, list, name, restate, identify, report
	<i>Knowledge Analysis</i>	distinguish, differentiate, analyze, calculate, compare, relate, categorize
	<i>Knowledge Synthesis</i>	compose, propose, design, formulate, construct, organize
	<i>Knowledge Application</i>	interpret, apply, employ, illustrate
Skills	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)	
	Practice (a technique)	
Attitudes	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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Perform a thorough preoperative assessment and formulate anesthetic plans for complex patients with comorbidities	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 2.	Demonstrate appropriate assessment and management of the patient with the anticipated and unanticipated difficult airway	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 3.	Provide service to colleagues in a perioperative consultative role as an anesthesiologist	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 4.	Anticipate, identify, and appropriately manage complications of anesthetic care	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)

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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Develop an understanding of patient anatomy and physiology and how complex coexisting diseases affect anesthetic delivery	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 2.	Understand the interplay of patient anatomy and physiology and known pharmacokinetics and pharmacodynamics of the agents used to provide general anesthesia, sedation, regional anesthesia and pain management	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)

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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Respond to real-time suggestions and advice for improvement in procedural technique, incorporating these suggestions into current and future performance.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list): Journal Club
Objective 2.	Identify areas for improvement in the perioperative patient management	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 3.	Supervise residents, SRNAs, or CRNAs performing OR anesthetics, providing real-time and post-procedure feedback to a trainee that improves patient care.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 4.	Recognize areas where clinical communication is crucial to optimal patient care. Identify areas where lack of communication or vigilance may endanger patient safety	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)

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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Effectively communicates his/her assessment and perioperative plan to patients, family, and colleagues.	<input type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 2.	Effectively teach patients, parents, trainees, and colleagues	<input checked="" type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 3.	Work effectively as a member or leader of a health care team keeping them apprised of progress or seeking assistance as soon as it become necessary	<input checked="" type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 4.	Support all appropriate operating room team functions (e.g. universal time out) and assume primary responsibility to coordinate work-flow in the OR suite.	<input checked="" type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 5.	Effectively communicate patient-centered issues to the Operating-Room Charge Nurse, OR circulating nurse and Surgeon to optimize turn-over periods and improve patient work-flows.	<input checked="" type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 6.	Engage with attending surgeon directly to discuss risks and benefits of current anesthesia/surgical plan and work with non-anesthesia providers to optimize patient care and safety.	<input checked="" type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)

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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Demonstrate responsiveness to patient needs that supersedes self-interest.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 2.	Demonstrate compassion, integrity, and respect for others.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 3.	Demonstrate respect for patient privacy, modesty and autonomy.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
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.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 5.	Recognize the limits of his/her current knowledge base and capabilities, and seeks out timely assistance from professional peers to ensure appropriate patient care.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 6.	Demonstrate appropriate conflict-resolution skills where applicable.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)

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.

	After successful completion of this rotation the fellow will be able to:	Methods of Evaluating Competency
Objective 1.	Coordinate care with surgeons to provide optimal anesthesia and analgesia for surgical patients.	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 2.	Incorporate considerations of cost awareness and risk-benefit analysis in patient-based care.	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 3.	Provide perioperative care that maximizes patient recovery and discharge-readiness	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)
Objective 3.	Demonstrate an awareness of and responsiveness to the larger context and system of health care	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> Other (list)

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 <input type="radio"/> Lab <input type="radio"/> Conference <input type="radio"/> Seminar	<input type="radio"/> Clinical Experience <input type="radio"/> Research <input type="radio"/> Small Group <input type="radio"/> Independent Study
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PATIENT ENCOUNTERS

Fellows on this rotation will be expected to work up and/or manage the minimum number of patients/cases per 2 week rotation with the specified conditions as listed below: (e.g., 10 craniotomies, 20 vaginal deliveries with CLE, etc.)

Number	Patient Condition / Case
Up to 30	Total joint anesthesia cases if the fellow has not met target of 20 spinals in the year.
10	Orthopedic Trauma cases
30	Other OR cases based on fellow preference, including vascular, orthopedic, gynecologic, endocrine, ENT, colorectal, urologic, or other cases

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
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SUBMITTED BY _____

Today's date _____