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Rotation Name	Obstetric Anesthesiology (Fellow)

## COURSE OVERVIEW

Course Overview (75 – 100 words describing the course)

This rotation is focused on anesthetic evaluation and management of parturients, including provision of labor analgesia, anesthesia for Cesarean sections, and obstetric crisis management. This occurs on a busy obstetric service accounting for 4,800 deliveries per year, frequently in parturients with high-risk pregnancies and comorbid medical conditions. Fellows take part as providers on the service, supervised by an attending anesthesiologist and working with residents and student nurse anesthetists. Experience with spinal, epidural, CSE, and nitrous oxide inhalational analgesia occurs.

## 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.	Perform a preanesthetic evaluation of a parturient, including history, physical exam and laboratory studies.	<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.	Formulate an anesthetic plan based on the parturient's medical history and expected peripartum course	<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.	Competently perform, supervise, and teach all regional and general anesthetic techniques essential obstetric anesthesiology practice	<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.	Assess and manage common obstetric conditions (such as preeclampsia, multiple gestation, abnormal fetal presentation, obstetric hemorrhage, pre-term labor and/or delivery)	<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 5.	Assess the effectiveness of interventions, troubleshoot suboptimal blocks and catheters, and detect and manage obstetric and anesthetic complications	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input checked="" 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.

	<b>After successful completion of this rotation the fellow will be able to:</b>	<b>Methods of Evaluating Competency</b>
Objective 1.	Apply relevant scientific knowledge and reasoning to the practice of OB anesthesiology	<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 knowledge of maternal-fetal physiology and anatomy under normal and pathological states throughout gestation related to regional and general anesthesia.	<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.	Describe techniques for anesthesia and analgesia in the obstetric population	<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.	Demonstrate how specific disease states affect the anesthetic management of obstetric 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)

**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.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list): Journal Club
Objective 2.	Teach patients to use patient-controlled epidural analgesic pumps and respond to patient questions or concerns.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 3.	Supervise residents performing regional anesthetics, providing real-time and post-procedure feedback to a trainee that improves patient care and procedural performance.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 4.	Assess block success consistently and accurately after procedural performance. Respond to inadequate anesthesia in an appropriate way based on the clinical situation. Locate and evaluate evidence from scientific and clinical studies related to OB anesthesiology practice	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 5.	Locate and evaluate evidence from scientific and clinical studies related to OB anesthesiology practice	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.

	<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 obstetric anesthesia procedures, including providing procedure-specific side effects and risks as well as other relevant information.	<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.	Confer with other teams (obstetric, anesthesia, and nursing) to help define a obstetric anesthesia treatment plan and subsequently provide report on procedures performed, medications administered, and expected repercussions on further patient 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.	Communicate effectively & collegially with all members of the inter-professional care team (anesthesiology, obstetrics, midwifery, nursing, students, residents, faculty, staff, neonatologists, other consultants, and the patient), to promote care that is safe, effective, timely, efficient, equitable, and patient-centered	<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.	Maintain a cordial, collegial working relationship with nursing and other staff despite time and production pressures of a busy obstetric environment.	<input checked="" type="checkbox"/> Direct observation/Faculty Feedback <input type="checkbox"/> Written test <input type="checkbox"/> Oral presentation/quiz <input type="checkbox"/> 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.

	<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.	<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.	Demonstrate compassion, integrity, and respect for others.	<input type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 3.	Demonstrate respect for patient privacy, modesty and autonomy.	<input type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> 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.	<input type="radio"/> Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> 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.

	<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 obstetricians to provide optimal anesthesia and analgesia for parturients.	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 2.	Incorporate considerations of cost awareness and risk-benefit analysis in patient-based care.	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 3.	Practice anesthesiology within the context of this health care institution and in cooperation with other healthcare professionals	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> 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 1 week rotation with the specified conditions as listed below: (e.g., 10 craniotomies, 20 vaginal deliveries with CLE, etc.)

Number	Patient Condition / Case
10	Epidural placement, observation, or supervision and management for labor
4	Regional anesthesia for Caesarian section. Placement, observation, or supervision.
4	Nitrous Oxide for labor analgesia.
0 to 1	General anesthesia for Caesarian section

### 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 \_\_\_\_\_