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Rotation Name	Oromaxillofacial Surgery(Fellow)

## COURSE OVERVIEW

Course Overview (75 – 100 words describing the course)
This rotation exposes Regional Anesthesiology and Acute Pain Management fellows to a very different approach to use of local anesthesia than they are used to in the context of surgery. They accompany Oromaxillofacial surgery residents and faculty in the provision of local anesthetic blocks and IV or inhalational conscious sedation for oral surgery procedures such as dental extractions. This occurs in the OMF clinics and in the operating room at VUMC. Fellows learn how other physicians approach provision of sedation, including monitoring standards and approach to medication administration. Fellows also learn how to perform intra-oral blocks and use equipment such as control syringes.

## 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 intraoral local anesthesia techniques efficiently and safely with minimal complications	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 2.	Formulate sedation plans for patients undergoing intraoral procedures, including consideration of medical, anesthetic, and surgical risk factors	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 3.	Monitor patients effectively during sedation for oral surgery procedures	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> 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.	Explain safety standards and guidelines specific for conscious sedation.	<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.	Describe the innervation of the mouth, including sites where local anesthetic may be administered and the expected distributions of anesthesia from specific injection sites.	<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.	Describe techniques for regional anesthesia, IV sedation, and inhalational sedation in the oral surgery clinic setting	<input type="radio"/> 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.

	<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.	Assess intraoral block success consistently and accurately after procedural performance. Respond to inadequate anesthesia in an appropriate way based on the clinical situation.	X Direct observation/Faculty Feedback
		○ Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 3.	Recognize principles of safe conscious sedation, including how monitoring standards and pharmacologic choices protect patient safety.	X Direct observation/Faculty Feedback
		X Written test
		○ Oral presentation/quiz
		○ Other (list)
Objective 4.	Identify strengths, deficiencies, and limits in one’s knowledge and expertise. Set learning and improvement goals.	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 oral surgery procedures, including providing procedure-specific side effects and risks as well as other relevant information.	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 2.	Communicate clearly in a collegial manner that facilitates the achievement of optimal procedural care	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 3.	Assist other health care team members to enhance delivering important information.	X Direct observation/Faculty Feedback
		<input type="radio"/> Written test
		<input type="radio"/> Oral presentation/quiz
		<input type="radio"/> Other (list)
Objective 4.	Maintain a cordial, collegial working relationship with nursing, physicians, and other staff	X 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.

	<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.	X 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.	X 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.	X 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.	X 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.	Work with surgical residents and faculty to provide patient sedation and administer intraoral local anesthesia in a collaborative way.	<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.	Teach Oromaxillofacial residents and faculty an anesthesiologist's approach to patient evaluation, sedation, and analgesia while being open to learning perspectives from another specialty.	<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.	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 4.	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)

### 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"/> Clinical Experience |
| <input type="radio"/> Lab        | <input type="radio"/> Research            |
| <input type="radio"/> Conference | <input type="radio"/> Small Group         |
| <input type="radio"/> Seminar    | <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 2 week rotation with the specified conditions as listed below: (e.g., 10 craniotomies, 20 vaginal deliveries with CLE, etc.)

Number	Patient Condition / Case
25	Oral surgery cases requiring local anesthesia via intraoral blocks
10	Oral surgery cases requiring provision of IV sedation and intraoral blocks

### FEEDBACK

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

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

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

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