

General Otolaryngology Rotation
Methodist University Hospital

Rotation Objectives

PGY-1

By the end of the Plastic Surgery Otolaryngology rotation at Methodist University Hospital, the **PGY-1** resident is expected to achieve the following objectives based on the six core competencies:

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
Patient Care	SPECIALTY SPECIFIC OBJECTIVES			
	Begin to efficiently and accurately assess patients in the outpatient clinic, including history and otolaryngologic physical exam, rigid and fiberoptic endoscopy of the sinonasal tract/pharynx/larynx, and otomicroscopy.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Perform initial assessment of consultation patients, both in the hospital and in the emergency room, developing differential diagnoses and proposing treatment plans.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Evaluate and manage acute and chronic sinusitis, including interpretation of associated imaging studies, medical/allergy therapy, and postoperative care.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Develop skills in managing emergencies including airway obstruction, epistaxis, head and neck trauma, and serious head and neck infections. This includes performance of tracheostomy, abscess drainage, and nasal packing, anterior and posterior. Know the roles of the emergency department, radiology, and interventional radiology in the management of these conditions.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Demonstrate operative skills sufficient to perform general procedures such as those described above. Become familiar with the techniques of more complex operations, and serve as an effective operative assistant.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Evaluate and manage, both medically and surgically, acute and chronic ear disease. This includes interpretation of CT/MRI. Apply appropriate indications for these tests.	Clinical teaching & experience	Direct Observation Case Logs	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
		Lectures, Conferences	Written Evaluation	
	Competently perform ventilation tube insertion, myringoplasty, cerumen removal, foreign body removal, and cavity debridement.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Distinguish benign from malignant from a variety of inflammatory lesions, based on physical exam and office endoscopy, and apply appropriate workup and management algorithms.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Select and interpret appropriate diagnostic imaging for head and neck neoplasms.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Manage patients with head and neck neoplasia in conjunction with members of a multidisciplinary team.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Perform a basic trauma evaluation, including application and interpretation of CT, plain films, and panorex.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Evaluate and select reconstructive options after resection of head and neck neoplasms.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Perform skin grafting, full and split thickness.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
	Educate and council patients about otolaryngology disease processes, management plans, and available treatment options.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
Medical Knowledge	SPECIALTY SPECIFIC OBJECTIVES			
	Develop the knowledge of the histopathologic features of a lesion or neoplasm; distinguish benign from malignant tumors.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to recognize common head and neck neoplasms such as squamous cell carcinoma, papillary thyroid carcinoma, pleomorphic adenoma, and basal cell carcinoma.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Describe the surgical anatomy of the head and neck, with a focus on the clinical relevance of anatomical structures and their relationship to disease management.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Develop an understanding and knowledge of the anatomy, physiology, embryology, pathology, genetics; prevention of disease; neoplasms, deformities, and disorders of the ears, face, neck, and mandible; plastic and reconstructive surgery as they relate to the head and neck.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Demonstrate a thorough knowledge of the anatomy of the head and neck, skull base, cranial nerves, and associated structures.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to recognize the clinical presentations of head and neck surgery patients.	Clinical teaching & experience	Direct Observation	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
		Lectures, Conferences	Case Logs Written Evaluation	
	Develop an understanding and knowledge of different treatments and diagnostic techniques applicable to head and neck surgery patients/disorders/diseases (e.g. biopsy and fine needle aspiration).	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Identify the risks, indications, and contraindications of a variety of Otolaryngologic surgical procedures.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to develop an understanding and knowledge of advanced otolaryngologic medical and surgical aspects of head and neck oncology, sinonasal surgery, and plastic and reconstructive surgery.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Demonstrate an understanding of the pathophysiology and management of inflammatory, congenital, infectious, neoplastic, vascular, and traumatic processes affecting surgery.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Explain general considerations for surgical patients, including: Body composition of fluids and electrolytes in the resting state including insensible losses. a. The intrinsic and extrinsic coagulation cascades. b. Pulmonary function testing in the head and neck surgical patient. c. Common pulmonary function abnormalities in the head and neck patient and pulmonary support mechanisms. d. Principles of endoscopy of the upper aerodigestive tract. e. Principles and practice of diagnostic radiology. Be capable of understanding the principles and rationale including limitations of various radiographic	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation

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	<p>assessments including CT scan, MRI, sonography, and radionuclide studies.</p> <p>f. Principles of surgical pathology. Be capable of identifying common pathologic entities of the head and neck including but not limited to: intraepithelial neoplasia, squamous cell cancer; benign laryngeal lesions, congenital cystic lesions of the head and neck, pathologic entities of the exocrine and endocrine glands.</p> <p>g. Historical evolution and principles of upper aerodigestive endoscopy.</p> <p>h. Common agents used in anesthesiology including both local and general anesthetic agents. Knowledge of both contraindications and complications associated with these agents.</p> <p>i. Preoperative risk assessment for specific organ systems in patients undergoing head and neck surgery.</p>			
	Explain antimicrobial therapy and recent advances in therapy for otolaryngologic diseases.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to explain surgical treatment plans, results, and their complications for cancers of the oral cavity, oropharynx, nasopharynx, hypopharynx, larynx, nose, neck and skull base.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to explain the rationale and implications of American Joint Committee on Cancer staging in the treatment of these diseases.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Explain the epidemiology of neoplasms and role of carcinogenic agents in the development of pre-malignant and malignant disease.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
	<p>Begin to explain the application of multimodality therapy for cancers of the oral cavity, oropharynx, nasopharynx, hypopharynx, larynx, nose, neck and skull base, including:</p> <ol style="list-style-type: none"> Indications and rationale for radiation therapy and/or chemotherapy of cancers of the larynx and hypopharynx. Principles of radiobiology, dosimetry and fractionation schemes in radiation oncology. Management of the head and neck cancer patient undergoing radiation therapy. Limitations and complications of radiation therapy. 	<p>Clinical teaching & experience Lectures, Conferences</p>	<p>Direct Observation Case Logs Written Evaluation</p>	<p>Daily End of Rotation</p>
	<p>Demonstrate an understanding of the natural history, histopathology, and treatment of non-squamous cell cancers of the pharynx, nose, salivary glands, skin and larynx.</p>	<p>Clinical teaching & experience Lectures, Conferences</p>	<p>Direct Observation Case Logs Written Evaluation</p>	<p>Daily End of Rotation</p>
	<p>Define the various types of free tissue transfer and their application to reconstruction of head and neck defects, including:</p> <ol style="list-style-type: none"> Describe the historical development of free tissue transfer. Explain various donor site considerations. Explain the post-operative management of the patient undergoing free tissue transfer. 	<p>Clinical teaching & experience Lectures, Conferences</p>	<p>Direct Observation Case Logs Written Evaluation</p>	<p>Daily End of Rotation</p>
	<p>Explain the pathophysiology of laryngeal squamous cell carcinoma, including:</p> <ol style="list-style-type: none"> Local spread of tumor in the larynx, according to site of origin, with special emphasis on ligamentous and fascial barriers, as well as paths of extralaryngeal escape. Lymphatic drainage of tumor, both intralaryngeal and extralaryngeal, with implications for treatment. Diagnostic evaluation and plan of investigation. Consequences to the voice of the disease and of its surgical and radiotherapy management. Compare voice outcomes for various treatment strategies for any given tumor. The extent of the various partial laryngectomies, including supraglottic, vertical hemi- and supra- cricoid laryngectomies. 	<p>Clinical teaching & experience Lectures, Conferences</p>	<p>Direct Observation Case Logs Written Evaluation</p>	<p>Daily End of Rotation</p>

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	Begin to describe strategies for voice and swallowing rehabilitation of patients' status post treatment for carcinoma. Residents have limited exposure based on rehabs availability.	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Begin to use the appropriate terminology to differentiate types of sinusitis (rhinosinusitis) in adults, including: <ul style="list-style-type: none"> a. Pathogenesis and pathophysiology. b. Developmental anatomy. c. Signs and symptoms. d. Diagnostic tools, endoscopic and radiographic staging. e. Treatment options. 	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
Practice Based Learning and Improvement	SPECIALTY SPECIFIC OBJECTIVES			
	Analyze practice experience using a systematic methodology	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Analyze plastic surgery literature for relevant information that pertains to their patient's health problems	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Demonstrate improvement in clinical management	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
Interpersonal and Communication Skills	SPECIALTY SPECIFIC OBJECTIVES			
	Carefully listen to patients to assess the patient's health problems including verbal and non-verbal communications	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Demonstrating respectful and considerate attitudes, effectively communicate with patients families and other health care personnel	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
			Written Evaluation	
	Present a case to attending physician, fellows, residents, and other health care professionals	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Provide timely and legible medical record documentation including histories and physical exams, admission notes, progress notes, procedure notes and discharge summaries	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Assist in the education and counseling of patients and families	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Devote adequate time to patients addressing their questions and concerns	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Work with others as a member of the plastic surgery team	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
Professionalism	SPECIALTY SPECIFIC OBJECTIVES			
	Maintain professional behavior including respect, compassion, integrity, punctuality, reliability, and honesty with patients and colleagues	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Display initiative and leadership qualities	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs	Daily End of Rotation

Competency	Required Skill(s)	Teaching Methods	Evaluation Methods	Frequency of Evaluation
			Written Evaluation	
	Acknowledge errors, alert patients and appropriate health care providers about the errors and create a plan to minimize them	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Ask for help when needed and accept constructive feedback	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Maintain patient confidentiality	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
Systems-Based Practice	SPECIALTY SPECIFIC OBJECTIVES			
	Demonstrate basic knowledge of business aspects of medical practice including coding, billing and insurance	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs Written Evaluation	Daily End of Rotation
	Develop knowledge of health care resources that can help avoid compromising quality of care	Clinical teaching & experience Lectures, Conferences	Direct Observation Case Logs	Daily End of Rotation

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			Written Evaluation	