

Number	COMPETENCY The student should be able to:	Clinician	Leader and Member of the health care team and system	Communicator	Lifelong learner	Professional	Critical Thinker	Researcher	
<b>OTORHINOLARYNGOLOGY (ENT)</b>									
<b>Topic: Anatomy and Physiology of ear, nose, throat, head &amp; neck</b>		<b>Number of competencies:(02)</b>				<b>Number of procedures that require certification:(NIL)</b>			
EN1.1	Describe the Anatomy & physiology of ear, nose, throat, head & neck	3	2	2	2	2	2	Human Anatomy 3	
EN1.2	Describe the pathophysiology of common diseases in ENT	3	2	2	2	1	2	Pathology 3	
<b>Topic: Clinical Skills</b>		<b>Number of competencies: (15)</b>				<b>Number of procedures that require certification : (NIL)</b>			
EN2.1	Elicit document and present an appropriate history in a patient presenting with an ENT complaint	3	1	2	2	1	2	2	
EN2.2	Demonstrate the correct use of a headlamp in the examination of the ear, nose and throat	3	1	2	2	2	2	2	
EN2.3	Demonstrate the correct technique of examination of the ear including Otoscopy	3	1	2	2	2	2	2	
EN2.4	Demonstrate the correct technique of performance and interpret tuning fork tests	3	1	2	2	2	3	3	
EN2.5	Demonstrate the correct technique of examination of the nose & paranasal sinuses including the use of nasal speculum	3	1	2	2	2	2	2	
EN2.6	Demonstrate the correct technique of examining the throat including the use of a tongue depressor	3	1	2	2	2	2	2	
EN2.7	Demonstrate the correct technique of examination of neck including elicitation of laryngeal crepitus	3	1	2	2	2	2	2	

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EN2.8	Demonstrate the correct technique to perform and interpret pure tone audiogram & impedance audiogram	3	2	2	2	2	3	3	
EN2.9	Choose correctly and interpret radiological, microbiological & histological investigations relevant to the ENT disorders	3	2	2	2	2	3	3	
EN2.10	Identify and describe the use of common instruments used in ENT surgery	3	1	2	2	2	3	3	
EN2.11	Describe and identify by clinical examination malignant & pre-malignant ENT diseases	3	2	2	2	2	2	2	
EN2.12	Counsel and administer informed consent to patients and their families in a simulated environment	3	3	3	2	2	1	2	
EN2.13	Identify, resuscitate and manage ENT emergencies in a simulated environment (including tracheostomy, anterior nasal packing, removal of foreign bodies in ear, nose, throat and upper respiratory tract)	3	2	2	2	2	3	3	
EN2.14	Demonstrate the correct technique to instilling topical medications into the ear, nose and throat in a simulated environment	3	2	2	2	2	2	2	
EN2.15	Describe the national programs for prevention of deafness, cancer, noise & environmental pollution	3	3	3	2	3	3	3	
<b>Topic: Diagnostic and Therapeutic procedures in ENT</b>		<b>Number of competencies:(06)</b>				<b>Number of procedures that require certification: (NIL)</b>			
EN3.1	Observe and describe the indications for and steps involved in the performance of Otomicroscopic examination in a simulated environment	3	2	2	1	2	2	2	

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EN3.2	Observe and describe the indications for and steps involved in the performance of diagnostic nasal Endoscopy	3	1	2	2	2	2	2	
EN3.3	Observe and describe the indications for and steps involved in the performance of Rigid/Flexible Laryngoscopy	3	1	2	2	2	2	2	
EN3.4	Observe and describe the indications for and steps involved in the removal of foreign bodies from ear, nose & throat	3	2	2	2	2	3	3	
EN3.5	Observe and describe the indications for and steps involved in the surgical procedures in ear, nose & throat	3	2	2	2	2	3	3	
EN3.6	Observe and describe the indications for and steps involved in the skills of emergency procedures in ear, nose & throat	3	2	2	1	2	3	3	
<b>Topic: Management of diseases of ear, nose &amp; throat</b>		<b>Number of competencies: (53)</b>				<b>Number of procedures that require certification : (NIL)</b>			
EN4.1	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Otagia	3	2	2	2	2	2	2	
EN4.2	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of diseases of the external Ear	3	2	2	1	2	2	2	
EN4.3	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of ASOM	3	2	2	2	2	3	3	
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EN4.4	Demonstrate the correct technique to hold visualize and assess the mobility of the tympanic membrane and its mobility and interpret and diagrammatically represent the findings	3	0	1	1	2	3	3	
EN4.5	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of OME	3	2	2	1	1	3	3	

EN4.6	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Discharging ear	3	2	0	3	3	2	2	
EN4.7	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of CSOM	3	2	0	3	3	2	3	
EN4.8	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of CSOM	3	2	0	3	3	3	3	
EN4.9	Demonstrate the correct technique for syringing wax from the ear in a simulated environment	3	2	0	3	3	3	3	
EN4.10	Observe and describe the indications for and steps involved in myringotomy and myringoplasty	3	2	1	2	3	3	3	
EN4.11	Enumerate the indications describe the steps and observe a mastoidectomy	3	2	1	2	3	3	3	
EN4.12	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Hearing loss	3	2	0	2	2	2	3	

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EN4.13	Describe the clinical features, investigations and principles of management of Otosclerosis	3	1	1	2	2	2	3	
EN4.14	Describe the clinical features, investigations and principles of management of Sudden Sensorineural Hearing Loss	3	1	0	2	2	2	3	
EN4.15	Describe the clinical features, investigations and principles of management of Noise Induced Hearing Loss	3	1	0	2	2	2	3	
EN4.16	Observe and describe the indications for and steps involved in the performance of pure tone audiometry	3	1	0	2	2	2	3	
EN4.17	Enumerate the indications and interpret the results of an audiogram	3	0	0	1	2	2	3	
EN4.18	Describe the clinical features, investigations and principles of management of Facial Nerve palsy	3	1	1	2	2	3	3	

EN4.19	Describe the clinical features, investigations and principles of management of Vertigo	3	1	1	2	3	2	3	
EN4.20	Describe the clinical features, investigations and principles of management of Meniere's Disease	3	1	1	2	2	2	3	
EN4.21	Describe the clinical features, investigations and principles of management of Tinnitus	3	1	1	2	2	2	3	
EN4.22	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Nasal Obstruction	3	1	1	2	3	2	3	

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EN4.23	Describe the clinical features, investigations and principles of management of DNS	3	1	1	2	2	2	3	
EN4.24	Enumerate the indications observe and describe the steps in a septoplasty	3	0	0	1	2	2	3	
EN4.25	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Nasal Polyps	3	0	0	2	2	2	3	
EN4.26	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Adenoids	3	0	0	2	2	2	3	
EN4.27	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Allergic Rhinitis	3	2	1	2	2	2	3	
EN4.28	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Vasomotor Rhinitis	3	0	0	2	2	2	3	
EN4.29	Elicit, document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Acute & Chronic Rhinitis	3	0	0	2	2	2	3	

EN4.30	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Epistaxis	2	1	0	2	2	2	3	
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EN4.31	Describe the clinical features, investigations and principles of management of trauma to the face & neck	3	1	1	2	2	3	3	
EN4.32	Describe the clinical features, investigations and principles of management of nasopharyngeal Angiofibroma	3	0	0	2	2	3	3	
EN4.33	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Acute & Chronic Sinusitis	3	0	0	2	2	2	3	
EN4.34	Describe the clinical features, investigations and principles of management of Tumors of Maxilla	3	1	0	2	2	2	3	
EN4.35	Describe the clinical features, investigations and principles of management of Tumors of Nasopharynx	3	1	0	2	2	2	3	
EN4.36	Describe the clinical features, investigations and principles of management of diseases of the Salivary glands	3	0	0	2	2	3	3	
EN4.37	Describe the clinical features, investigations and principles of management of Ludwig's angina	3	0	0	2	2	3	3	
EN4.38	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of type of dysphagia	3	1	1	2	2	3	3	
EN4.39	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of Acute & Chronic Tonsillitis	3	2	1	2	3	3	3	

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EN4.40	Observe and describe the indications for and steps involved in a tonsillectomy / adenoidectomy	3	0	0	2	2	2	3	
EN4.41	Describe the clinical features, investigations and principles of management of Acute & chronic abscesses in relation to Pharynx	3	1	0	2	2	2	3	
EN4.42	Elicit, document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of hoarseness of voice	3	1	1	2	2	2	3	
EN4.43	Describe the clinical features, investigations and principles of management of Acute & Chronic Laryngitis	3	1	0	2	2	2	3	
EN4.44	Describe the clinical features, investigations and principles of management of Benign lesions of the vocal cord	3	1	0	2	2	2	3	
EN4.45	Describe the clinical features, investigations and principles of management of Vocal cord palsy	3	0	0	2	3	3	3	
EN4.46	Describe the clinical features, investigations and principles of management of Malignancy of the Larynx & Hypopharynx	3	2	1	2	3	3	3	
EN4.47	Describe the clinical features, investigations and principles of management of Stridor	3	1	1	2	2	2	3	
EN4.48	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Airway Emergencies	3	1	0	2	2	2	3	

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EN4.49	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of foreign bodies in the air & food passages	3	1	0	2	2	3	3	
EN4.50	Observe and describe the indications for and steps involved in tracheostomy	3	0	0	2	2	3	3	
EN4.51	Observe and describe the care of the patient with a tracheostomy	3	1	1	2	2	3	3	
EN4.52	Describe the Clinical features, Investigations and principles of management of diseases of Oesophagus	3	0	0	2	2	3	3	
EN4.53	Describe the clinical features, investigations and principles of management of HIV manifestations of the ENT	3	2	1	2	2	2	3	
<b>Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication.</b> <b>Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently,</b> <b>Column F: DOAP session – Demonstrate, Observe, Assess, Perform.</b> <b>Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation</b>									

## Integration

Human Anatomy									
AN36.1	Describe the (1) morphology, relations, blood supply and applied anatomy of palatine tonsil and (2) composition of soft palate	3	0	0	2	2	2	3	
AN36.2	Describe the components and functions of waldeyer's lymphatic ring	3	0	0	2	2	2	3	
AN36.3	Describe the boundaries and clinical significance of pyriform fossa	3	0	0	2	2	2	3	
AN36.4	Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess	3	1	0	2	2	2	3	



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AN36.5	Describe the clinical significance of Killian's dehiscence	3	1	0	2	3	3	3	
AN37.1	Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply	3	1	0	2	3	3	3	
AN37.2	Describe location and functional anatomy of paranasal sinuses	3	0	0	2	3	3	3	
AN37.3	Describe anatomical basis of sinusitis & maxillary sinus tumours	3	0	0	2	3	3	3	
AN38.1	Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx	3	0	0	2	3	3	3	
AN38.2	Describe the anatomical aspects of laryngitis	3	1	0	3	3	3	2	
AN38.3	Describe anatomical basis of recurrent laryngeal nerve injury	3	1	0	3	3	3	3	
AN39.2	Explain the anatomical basis of hypoglossal nerve palsy	3	0	0	2	2	3	3	
AN40.1	Describe & identify the parts, blood supply and nerve supply of external ear	3	1	1	2	2	3	3	
AN40.2	Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube	3	0	0	3	3	3	3	
AN40.3	Describe the features of internal ear	3	0	0	2	2	2	3	

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AN40.4	Explain anatomical basis of otitis externa and otitis media	3	0	0	2	3	3	3	
AN40.5	Explain anatomical basis of myringotomy	3	0	0	2	3	3	3	
<b>Physiology</b>									
PY10.13	Describe and discuss perception of smell and taste sensation	3	1	0	2	3	2	3	
PY10.15	Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing	3	0	0	2	3	3	3	
PY10.16	Describe and discuss pathophysiology of deafness. Describe hearing tests	3	0	0	3	3	2	3	
PY10.20	Demonstrate (i) hearing (ii) testing for smell and (iii) taste sensation in volunteer/ simulated environment	3	1	0	2	3	3	3	
<b>Community Medicine</b>									
CM3.1	Describe the health hazards of air, water, noise, radiation and pollution.	3	1	1	2	2	2	3	
<b>Dentistry</b>									
DE4.1	Discuss the prevalence of oral cancer and enumerate the common types of cancer that can affect tissues of the oral cavity	3	1	0	2	2	3	3	
DE4.2	Discuss the role of etiological factors in the formation of precancerous /cancerous lesions	3	1	1	2	2	3	3	

DE4.3	Identify potential pre-cancerous /cancerous lesions	3	1	0	2	3	3	3	
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DE4.4	Counsel patients to risks of oral cancer with respect to tobacco, smoking, alcohol and other causative factors	3	2	2	2	2	3	3	

**General Medicine**

IM24.17	Describe and discuss the aetiopathogenesis, clinical presentation, identification, functional changes, acute care, stabilization, management and rehabilitation of hearing loss in the elderly	3	0	0	2	3	3	3	
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**Pediatrics**

PE14.2	Discuss the risk factors, clinical features, Diagnosis and management of Kerosene ingestion	3	1	0	3	3	3	3	
PE28.1	Discuss the etio-pathogenesis, clinical features and management of Naso pharyngitis	3	0	0	2	3	3	3	
PE28.2	Discuss the etio-pathogenesis of Pharyngo Tonsillitis	3	0	0	3	3	3	3	
PE28.3	Discuss the clinical features and management of Pharyngo Tonsillitis	3	0	0	3	3	3	3	
PE28.4	Discuss the etio-pathogenesis, clinical features and management of Acute Otitis Media (AOM)	3	0	0	3	3	3	3	
PE28.5	Discuss the etio-pathogenesis, clinical features and management of Epiglottitis	3	0	0	3	3	3	3	

PE28.6	Discuss the etio-pathogenesis, clinical features and management of Acute laryngo- trachea-bronchitis	3	0	0	2	3	3	3	
PE28.7	Discuss the etiology, clinical features and management of Stridor in children	3	0	0	2	2	3	3	
PE28.8	Discuss the types, clinical presentation, and management of foreign body aspiration in infants and children	3	0	0	2	3	3	3	

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PE28.9	Elicit, document and present age appropriate history of a child with upper respiratory problem including Stridor	3	1	0	2	3	3	3	
PE28.10	Perform otoscopic examination of the ear	3	0	0	1	2	3	3	
PE28.11	Perform throat examination using tongue depressor	3	0	0	1	2	3	3	
PE28.12	Perform examination of the nose	3	0	0	1	2	3	3	
PE28.17	Interpret X-ray of the paranasal sinuses and mastoid; and /or use written report in case of management. Interpret CXR in foreign body aspiration and lower respiratory tract infection, understand the significance of thymic shadow in pediatric chest X-rays	3	0	0	1	2	3	3	
PE31.1	Describe the etio-pathogenesis, management and prevention of Allergic Rhinitis in Children	3	0	0	2	2	3	3	
PE31.3	Describe the etio-pathogenesis, clinical features and management of Atopic dermatitis in children	3	0	0	2	2	3	3	
<b>General Surgery</b>									
SU20.1	Describe etiopathogenesis of oral cancer, symptoms and signs of pharyngeal cancer. Enumerate the appropriate investigations and discuss the principles of treatment.	3	0	0	2	2	3	3	













