

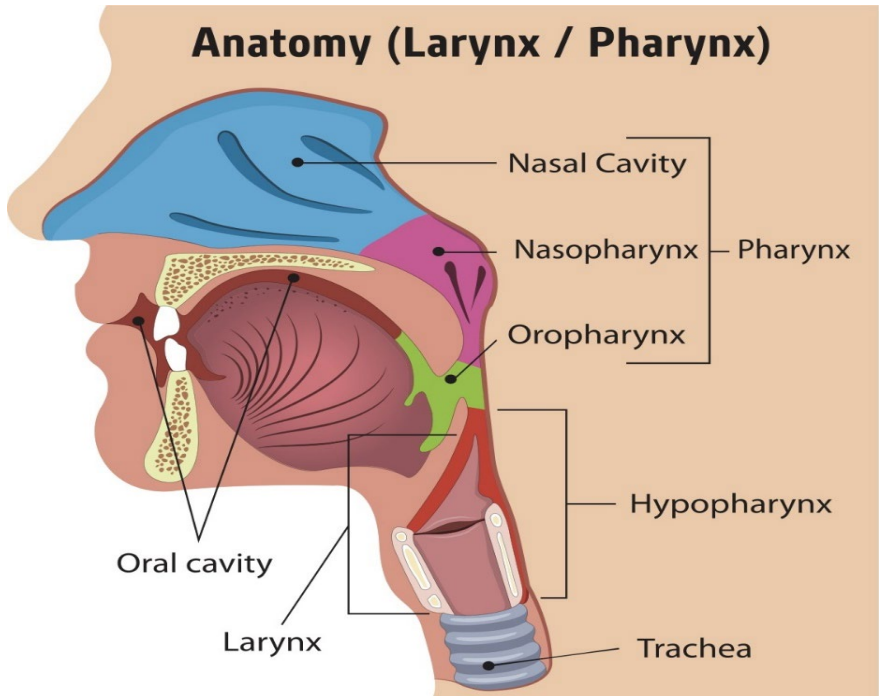
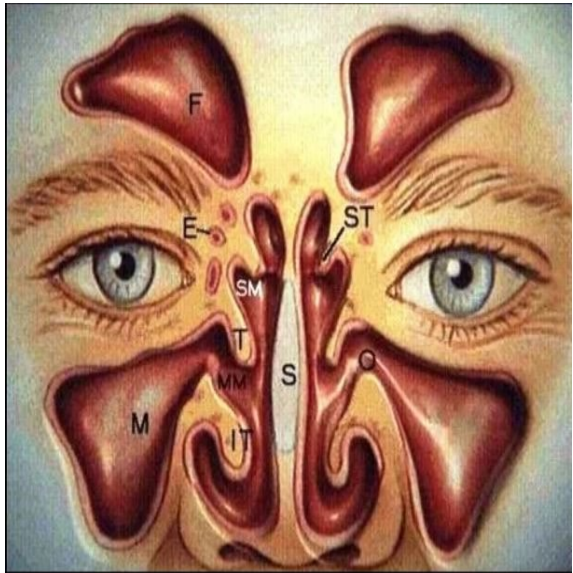
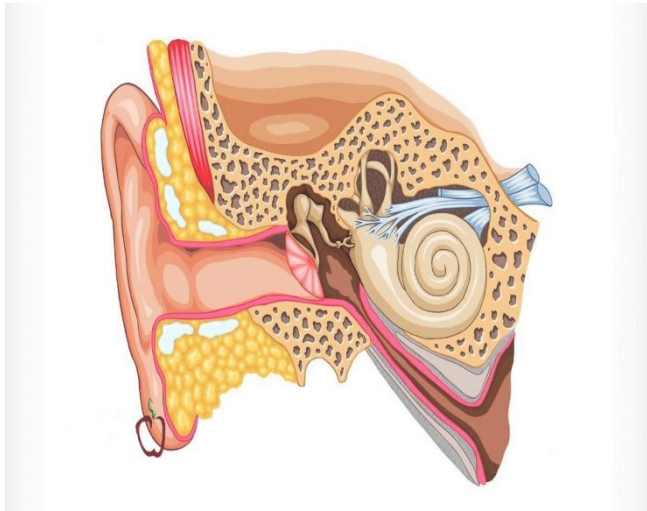


**Faisalabad Medical  
University  
BLOCK M 1  
4<sup>th</sup> Year MBBS**

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# Module-M 1 (ENT)



## **Approval Statement**

### **Study Guide M1**

The undersigned subject heads, hereby approve the study guides for undergraduate MBBS students, having thoroughly reviewed and validated the content for accuracy, relevance, and alignment with the curriculum. We confirm that the study guides have undergone rigorous evaluation and have met the standards set by PMDC and our institution.

By signing below, we endorse these study guides as a valuable resource for our students, ensuring they receive comprehensive and high-quality educational materials to support their academic success.

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## Module Committee

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# Introduction of Module M 1

## Introduction of Module

The Ear, Nose, and Throat (ENT) module (MI) is an essential part of the undergraduate medical curriculum that introduces students to the anatomical, physiological, pathological, and clinical aspects of diseases related to the ENT region. As disorders of the head and neck region are among the most common reasons for outpatient visits, it is imperative for future physicians to be equipped with adequate explanation and clinical skills to diagnose and manage these conditions effectively.

This module provides a comprehensive overview of the ear, nose, paranasal sinuses, pharynx, larynx, oral cavity, upper esophagus, tracheobronchial tree, and neck. Emphasis is placed on understanding the common congenital anomalies, infectious diseases, traumatic conditions, neoplasms, and recent advancements in ENT practice. Students will learn through a combination of lectures, group discussions, and clinical case-based teaching to enhance both theoretical explanation and practical competence.

## Rationale

ENT disorders significantly impact the quality of life and are frequently encountered in general medical practice. Early identification and management of ENT conditions can prevent serious complications, including hearing loss, airway obstruction, and the spread of infection to intracranial structures. Therefore, it is crucial for medical students to acquire a sound understanding of ENT-related anatomy, common pathologies, clinical presentations, diagnostic tools, and management strategies.

The rationale behind incorporating this module into the 4th-year MBBS curriculum is to:

- Build foundational explanation of ENT conditions that are critical for general practice and further specialization.
- Enable students to perform ENT examinations confidently and interpret common clinical findings.
- Train students to recognize emergencies in ENT and respond appropriately.
- Introduce recent technological advances and therapeutic modalities in ENT to align with modern medical practices.

This integrated approach ensures that students are well-prepared for clinical rotations and capable of contributing effectively in diverse healthcare settings.

## Teaching Hours Allocation

Sr. No	Subject	Hours Needed
1.	Diseases of External Ear	20
2.	Diseases of Middle Ear	20
3.	Diseases of Internal Ear	20
4.	Diseases of Nose & PNS	40
5.	Diseases of Pharynx	10
6.	Diseases of Larynx	15
7.	Diseases of Oral Cavity	05
8.	Diseases of Upper Esophagus	05
9.	Diseases of Tracheobronchial Tree	02
10.	Diseases of Neck	06
11.	Diseases of Miscellaneous (Recent Advances)	04

## List of Themes

<b>Sr. No.</b>	<b>Theme</b>	<b>Duration</b>
1	Diseases of Ear	1 week
2	Diseases of Nose & Paranasal Sinuses	1 week
3	Diseases of Pharynx & Larynx	1 week
4	Diseases of Neck, Upper esophagus, oral Cavity, Tracheobronchial & Miscellaneous	1 week

# General Learning Objectives

**By the end of Module,4th year MBBS students will be able to:**

## **1. Knowledge**

- Understand basic anatomy & physiology of the ear, nose, throat, and neck.
- Explain common ENT disease processes, their symptoms, complications, and general management.
- Recognize ENT emergencies including stridor, airway obstruction, foreign bodies, and corrosive ingestion.
- Explain indications and basics of tracheostomy and ABC trauma protocol.
- Understand major benign & malignant tumors of ENT and salivary glands.
- Understand hearing and balance disorders (otosclerosis, Ménière's disease, BPPV, vestibular neuronitis).
- Explain rhinosinusitis types, nasal septum disorders including DNS, and nasal polyposis.
- Understand neck swellings, lymph node levels, and lymphatic drainage of head & neck.

## **2. Clinical Skills**

- Take focused ENT history and perform complete ENT & neck examination (including mirror exams).
- Perform tuning fork tests, clinical hearing and balance tests.
- Interpret pure tone audiogram and tympanogram.
- Assist in ENT procedures and take ENT swabs for C&S.
- Select and interpret basic ENT investigations (CBC, X-ray PNS, CT/MRI of sinuses, temporal bone, and neck).
- Clinically differentiate benign vs malignant neck masses and types of stridor.

## **3. Management**

- Formulate basic management plans for common ENT conditions.
- Identify complications early and understand when to refer.
- Understand principles of management for ENT cancers (especially laryngeal carcinoma).
- Explain rehabilitation needs of hearing-impaired and deaf-mute children.

## **4. Communication & Professional Skills**

- Obtain informed consent appropriately.
- Communicate effectively with patients and families about ENT diseases, prevention, and treatment.
- Demonstrate empathy, professionalism, and ethical behavior.

# Specific Learning Objectives

## 1<sup>st</sup> Week (Theme: Diseases of Ear)

SR. No.	Subject	Topics	Learning Objectives	Teaching Strategy	Duration/ TIME Allocated	Assessment Tool
1.	External Ear	Anatomy and Physiology	Describe anatomy and physiological functions of the external ear Correlate anatomical landmarks with clinical relevance	Ward Rotation Class	02 Hours	MCQs
2.		History Taking	Obtain relevant history and identify red-flag symptoms	Bedside Teaching	02 Hours	OSCE
3.		Examination Of External Ear	Demonstrate systematic external ear examination	Ward rotation class	02 Hours	OSCE
4.		Congenital Disorders	Describe the embryology, classification and clinical features and outline their basic evaluation and management.	Lecture	01 Hour	MCQs
			Identify congenital anomalies of the external ear on examination.	Ward Rotation Class	01 Hour	OSCE
5.		Inflammatory Diseases	Describe etiology and pathophysiology of inflammatory disorders of the external ear.	Lecture	01 Hour	MCQs
			Identify clinical signs of inflammatory external ear conditions on inspection and otoscopic examination.	Ward Rotation Class	01 Hour	OSCE
	Describe clinical features, complications, and principles of management of inflammatory disorders of the external ear.		Lecture	01 Hour	MCQs	
	Demonstrate appropriate initial management and counseling for patients with inflammatory disorders of the external ear		Ward Rotation Class	01 Hour	OSCE	
6.	Traumatic Disorders	Assess external ear trauma on examination and demonstrate appropriate initial management.	Ward Rotation Class	01 Hour	OSCE	
		Describe types, mechanisms, clinical features, and principles of management of traumatic disorders of the external ear.	Lecture	01 Hour	MCQs	
7.	Benign Neoplasms:	Describe types, clinical features, and principles of management of benign neoplasms of the external ear.	Lecture	01 Hour	MCQs	

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			Examine external ear swellings and differentiate benign neoplasms from other lesions on clinical grounds.	Ward rotation class	01 Hour	OSCE
		Malignant Neoplasms	Describe risk factors, clinical features, staging, and principles of management of malignant neoplasms of the external ear.	Lecture	01 Hour	MCQs
			Examine suspicious external ear lesions and identify features suggestive of malignancy.	Ward rotation class	01 Hour	OSCE
8.		Miscellaneous:	Describe clinical features, complications, and principles of management of wax, foreign bodies, keratosis obtundata, and aural myiasis.	Lecture	01 Hour	MCQs
			Identify wax, foreign body and maggots in ear and describe initial management techniques.	Ward rotation class	01 Hour	OSCE
<b>Middle Ear</b>						
9.		Surgical Anatomy and Physiology	Describe anatomy and physiological functions of the middle ear and Correlate anatomical landmarks with clinical relevance	Ward Rotation Class	02 Hours	MCQs
10.		History Taking	Obtain relevant history and identify red-flag symptoms	Bedside Teaching	02 Hours	OSCE
11.		Examination Of Middle Ear	Demonstrate systematic middle ear examination	Case Discussion	02 Hours	OSCE
12.		Inflammatory Disorders	Describe etiology, pathophysiology, and clinical features of acute otitis media and otitis media with effusion.	Lectures	01 Hour	MCQs
			Perform otoscopic examination and identify clinical signs of acute otitis media and otitis media with effusion.	Ward Rotation Class	01 Hour	OSCE
			Describe clinical features, complications and principles of management of chronic supportive otitis media.	Lectures	01 Hour	MCQs
			Examine patients with chronic supportive otitis media and demonstrate appropriate initial management.	Ward Rotation Class	01 Hour	OSCE
			Interpret otoscopic findings and answer structured clinical questions related to acute otitis media, otitis media with effusion, and chronic suppurative otitis media.	case discussions	01 Hour	OSCE
13.		Traumatic Disorders	Describe causes, mechanism, clinical features, and complications of middle ear trauma including tympanic membrane perforation, ossicular injury, barotrauma and temporal bone fractures and outline management.	Ward Rotation Class	01 Hours	OSCE

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14.	Benign Neoplasms	Describe clinical features, investigations, and principles of management of benign neoplasms of the middle ear including glomus tympanicum.	Lectures	01 Hour	MCQs
		Examine patients, interpret otoscopic findings, and manage structured clinical scenarios related to benign middle-ear tumors.	Ward Rotation Class	01 Hour	OSCE
	Malignant Neoplasms	Describe clinical features, routes of spread, staging, and principles of management of malignant neoplasms of the middle ear	Lectures	01 Hour	MCQs
		Examine patients, identify red-flag otoscopic findings suggestive of middle-ear malignancy, and interpret structured clinical scenarios	Ward Rotation Class	01 Hour	OSCE
15.	Miscellaneous	Describe etiology, pathophysiology, clinical features, investigations, and principles of management of facial nerve palsy, otosclerosis, and conductive hearing loss.	Lectures	01 Hour	MCQs
		Examine patients with facial nerve palsy and conductive hearing loss, perform tuning fork tests, and interpret structured clinical scenarios.	Ward round	01 Hour	OSCE

**Internal Ear**

16.	Surgical Anatomy And Physiology	Describe anatomy of the bony and membranous labyrinth and neural connections of the inner ear. Also explain physiology of hearing and balance, including cochlear and vestibular mechanisms.	Ward Rotation Class	01 Hour	OSCE
17.	History Taking	Obtain focused history for vertigo, tinnitus, and sensorineural hearing loss to differentiate peripheral from central causes.	Bedside Teaching	02 Hours	OSCE
18.	Examination	Perform vestibular and cochlear examination, including bedside balance tests, and interpret findings in structured clinical scenarios	Case Discussion	02 Hours	OSCE
19.	Acoustic Neuroma	Describe clinical features, diagnostic evaluation, radiological findings, and principles of management of acoustic neuroma (vestibular schwannoma).	Lecture	01 Hour	MCQ's
20.	Ménière's Disease	Describe etiology, pathophysiology, clinical features, diagnostic criteria, and principles of management of Ménière's disease.	Lecture	01 Hour	MCQ's
		Assess patients with vertigo, interpret audiological and clinical findings, and manage structured clinical scenarios suggestive of Ménière's disease.	Ward rotation class	01 Hour	OSCE

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21.	Presbycusis	Describe etiology, pathophysiology, clinical features, audiological findings, and principles of management of presbycusis.	Lecture	01 Hour	MCQ's
22.	Sensorineural Hearing Loss	Describe causes, pathophysiology, clinical features, investigations, and principles of management of sensorineural hearing loss.	Lecture	01 Hour	MCQ's
		Evaluate patients with sensorineural hearing loss, perform and interpret tuning fork tests and audiograms, and manage structured clinical scenarios.	Ward rotation class	01 hour	OSCE
23.	Acoustic Trauma	Describe causes, pathophysiology, clinical features, audiological findings, and principles of management of acoustic trauma.	Lecture	01 Hour	MCQ's
24.	Vertigo	Describe causes, pathophysiology, classification, clinical features, and principles of management of vertigo, including peripheral and central causes.	Lecture	01 Hour	MCQ's
25.	Benign Paroxysmal Positional Vertigo	Describe pathophysiology, clinical features, diagnostic maneuvers, and principles of management of benign paroxysmal positional vertigo.	Lecture	01 Hour	MCQ's
26.	Hearing Loss	Describe classification, causes, clinical features, investigations, and principles of management of hearing loss and deafness	Lecture	01 Hour	MCQ's
27.	Pure Tone Audiometry	Describe principles, indications, procedure, and interpretation of pure tone audiometry in assessment of hearing loss.	Ward rotation class	01 Hour	OSCE
28.	Tympanometry	Describe principles, indications, types of tympanograms, and clinical applications of tympanometry.	Ward rotation class	01 Hour	OSCE
29.	Vestibular Neuritis	Describe etiology, pathophysiology, clinical features, diagnostic criteria, and principles of management of vestibular neuritis.	Lectures	01 Hour	MCQ's
30.	Ototoxicity	Describe ototoxic drugs, mechanisms of cochleo-vestibular damage, clinical features, prevention, and principles of management of ototoxicity.	Lecture	01 Hour	MCQ's
31.	Tinnitus & Its Causes	Describe causes, pathophysiology, clinical features, evaluation, and principles of management of tinnitus.	Lectures	01 Hour	MCQ's

## 2<sup>nd</sup> Week (Theme: Diseases of NOSE & PNS)

SR. No	Subject	Topics	Learning Objectives	Teaching Strategy	Duration/ TIME Allocated	Assessment Tool
1.	<b>Nose &amp; PNS</b>	Surgical Anatomy and Physiology	Describe anatomy, physiology, common diseases, clinical features, investigations and principles of management of nose and paranasal sinus disorders.	Ward Rotation Class	02 Hours	OSCE
2.		History Taking	Obtain focused history for nasal obstruction, discharge, epistaxis, anosmia, and facial pain to guide diagnosis.	Bedside Teaching	02 Hours	OSCE
3.		Examination Of Nose & PNS	Perform systematic examination of the nose and paranasal sinuses, including anterior rhinoscopy, sinus tenderness assessment, and interpretation of findings in structured clinical scenarios.	Case Discussion	02 Hours	OSCE
4.		Congenital Disorders	Describe types, embryological basis, clinical features, and principles of management of congenital disorders of the nose and paranasal sinuses.	Ward Rotation Class	02 Hours	OSCE
5.		Inflammatory Disorders	Describe etiology, pathophysiology, and classification of rhinitis, including allergic and non-allergic rhinitis.	Lecture	01 Hour	MCQ's
			Describe clinical features, diagnosis, and principles of management of acute rhinosinusitis.	Lecture	01 Hour	MCQ's
			Examine patients with rhinitis and sinusitis, interpret nasal findings and imaging, and manage structured clinical scenarios.	Ward Rotation Class	02 Hours	OSCE
			Describe pathogenesis, clinical features, complications, and management of chronic rhinosinusitis.	Lecture	01 Hour	MCQ's
			Describe clinical features, investigations, and principles of management of fungal rhinosinusitis.	Lecture	01 Hour	MCQ's
6.		Traumatic Disorders	Describe types, mechanisms, and clinical features of nasal and mid-facial trauma, including nasal bone fractures and DNS.	Lecture	01 Hour	MCQ's
			Describe complications and principles of management of nasal and PNS trauma, including septal hematoma and CSF rhinorrhea.	Lecture	01 hour	MCQ's
			Assess patients with nasal trauma, identify complications on examination, and interpret structured clinical scenarios.	Bedside Teaching	02 Hours	OSCE
7.		Rhinitis	Describe etiology, classification, and pathophysiology of rhinitis, including allergic and non-allergic types.	Lecture	01 Hour	MCQ's
			Describe clinical features, investigation, complications and principles of management of rhinitis.	Lecture	01 Hour	MCQ's
	Examine patients with rhinitis, identify characteristic nasal findings, and interpret structured clinical scenarios.		Ward Rotation Class	02 Hours	OSCE	

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8.	Epistaxis	Describe causes, classification, clinical features, and principles of management of epistaxis.	Lecture	01 Hour	MCQ's
		Assess patients with epistaxis, identify bleeding sites, and demonstrate appropriate initial management.	Ward rotation class	01 hour	OSCE
9.	Nasal Polyps	Describe types, etiology, pathophysiology, and classification of nasal polyps, including ethmoidal and antrochoanal polyps	Lecture	01 Hour	MCQ's
		Describe clinical features, investigations, differential diagnosis, and principles of management of nasal polyps.	Lecture	01 Hour	MCQ's
		Examine patients with nasal polyps and identify characteristic findings on anterior rhinoscopy.	Ward Rotation Class	01 Hour	OSCE
		Differentiate ethmoidal and antrochoanal polyps clinically and outline appropriate management	Ward Rotation Class	01 hour	OSCE
10.	Granulomatous Disorders	Describe etiology, classification, and pathophysiology of granulomatous diseases of the nose and PNS, including tuberculosis and sarcoidosis.	Lecture	01 Hour	MCQ's
		Describe clinical features, investigations, differential diagnosis, and principles of management of granulomatous disorders of the nose and PNS.	Lecture	01 Hour	MCQ's
		Examine patients with suspected granulomatous nasal disease and identify characteristic clinical findings.	Ward rotation class	01 Hour	OSCE
		Interpret clinical findings and investigations to manage structured clinical scenarios related to granulomatous disorders of the nose and PNS.	Ward rotation class	01 Hour	OSCE
11.	Autoimmune	Describe clinical features, investigations and management of autoimmune disorders affecting the nose and PNS	Lecture	01 Hour	MCQ's
		Examine patients with suspected autoimmune nasal disease and interpret structured clinical scenarios.	Ward Rotation Class	01 hour	OSCE
12.	Neoplasms	Describe types, clinical features, investigations, and principles of management of benign neoplasms of the nose and PNS, including papilloma and osteoma.	Lecture	01 Hour	MCQ's
		Examine patients with benign nasal masses, identify characteristic findings, and interpret structured clinical scenarios.	Ward Rotation Class	01 Hour	OSCE
		Describe risk factors, clinical features, routes of spread, staging, and principles of management of malignant neoplasms of the nose and PNS.	Lecture	01 Hour	MCQ's
		Examine patients with suspected malignancy of the nose or PNS, identify red-flag signs, and interpret structured clinical scenarios.	Ward Rotation Class	01 hour	OSCE

13.	Miscellaneous	Describe clinical features, complications, and principles of management of foreign body nose, rhinolith, nasal myiasis (maggots), and adenoid hypertrophy.	Bedside teaching	02 Hours	OSCE
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## 3<sup>rd</sup> Week (Theme: Diseases of Pharynx & Larynx)

SR. No.	Subject	Topics	Learning Objectives	Teaching Strategy	Duration/ TIME Allocated	Assessment Tool
1.	Pharynx	Surgical anatomy and physiology	Describe anatomy and physiology of the nasopharynx, oropharynx, and hypopharynx, including swallowing and airway protection	Ward Rotation Class	01 Hour	OSCE
2.		History taking	Obtain focused history for dysphagia, sore throat, voice change, snoring, and referred otalgia to localize pharyngeal pathology.	Bedside Teaching	01 Hour	OSCE
3.		Examination of pharynx	Perform systematic examination of the pharynx, including oral cavity, tonsils, posterior pharyngeal wall.	Ward rotation class	01 Hour	OSCE
4.		Inflammatory Disorders	Describe etiology, pathophysiology, and clinical features of acute and chronic pharyngitis, including tonsillitis.	Lectures	01 Hour	MCQ's
			Describe complications, differential diagnosis, and principles of management of inflammatory disorders of the pharynx.		01 Hour	
			Examine patients with pharyngitis and tonsillitis, identify complications, and interpret structured clinical scenarios	Ward Rotation Class	01 Hour	OSCE
5.		Neoplasms	Describe types, risk factors, clinical features, routes of spread, and principles of management of benign and malignant neoplasms of the pharynx.	Lectures	01 Hour	MCQ's
6.		Plummer Vinson syndrome	Describe etiology, pathophysiology, clinical features, complications, and principles of management of Plummer–Vinson syndrome.	Lecture	01 Hour	MCQ's
		Obstructive sleep apnea syndrome	Describe etiology, pathophysiology, clinical features, diagnosis, and principles of management of obstructive sleep apnea.	Lecture	01 Hour	MCQ's
7.		Larynx	Surgical Anatomy and Physiology	Describe anatomy and physiology of the larynx, including phonation, respiration, and airway protection.	Ward Rotation Class	01 Hour

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8.	History taking	Obtain focused history for hoarseness, stridor, dysphagia, cough, and aspiration to localize laryngeal pathology.	Bedside Teaching	01 Hour	OSCE
9.	Examination of larynx	Perform laryngeal examination, including indirect laryngoscopy, and interpret findings in structured clinical scenarios.	Ward rotation class	02 Hour	OSCE
10.	Congenital Disorders	Describe types, etiology, clinical features, and principles of management of congenital laryngeal disorders, including laryngomalacia and laryngeal webs.	Lectures	01 Hour	MCQ's
11.	Inflammatory disorders	Describe etiology, pathophysiology, and clinical features of acute laryngitis and chronic laryngitis.	Lecture	01 Hour	MCQ's
12.		Describe complications and principles of management of chronic laryngitis, laryngopharyngeal reflux-related laryngitis, and tuberculous laryngitis	Lecture	01 Hour	MCQ's
		Examine patients with hoarseness or stridor, identify features of acute and chronic laryngitis, and interpret structured clinical scenarios.	Ward rotation class	01 hour	OSCE
13.	Neoplasms	Describe classification, risk factors, and clinical features of benign and malignant neoplasms of the larynx.	Lectures	01 Hour	MCQ's
		Describe staging, routes of spread, and principles of management of laryngeal carcinoma.	Lectures	01 Hour	MCQ's
		Examine patients with hoarseness or stridor, identify red-flag signs of laryngeal malignancy, and interpret structured clinical scenarios.	Ward rotation class	01 Hour	OSCE
14.	Tracheostomy	Describe indications, types, steps, complications, and principles of care of tracheostomy.	Lectures	01 Hour	MCQ's
15.	Vocal cord paralysis	Describe causes, pathophysiology, clinical features, evaluation, and principles of management of vocal cord paralysis.	Lectures	01 Hour	MCQ's
16.	Miscellaneous	Describe causes, clinical features, diagnosis, and emergency management of foreign body airway and evaluate hoarseness of voice with its differential diagnosis.	Lectures	01 Hour	MCQ's
		Describe principles of voice rehabilitation, including voice therapy, vocal hygiene, and indications for referral in voice disorders.	Lectures	01 Hour	MCQ's

## 4<sup>th</sup> Week (Theme: Diseases of ORAL CAVITY, UPPER ESOPHAGUS, NECK & MISCELLANEOUS)

SR. No	Theme	Topics	Learning Objectives	Teaching Strategy	Duration/ TIME Allocated	Assessment Tool
	<b>Oral Cavity</b>					
1.		Surgical Anatomy and Physiology	Describe anatomy and physiology of the oral cavity, including lips, tongue, floor of mouth, palate, dentition, and salivary glands.	Lecture	01 Hour	MCQ's
2.		History & Examination	Obtain focused history for oral ulcers, pain, swelling, dysphagia, trismus, and tobacco or betel nut use and Perform systematic examination of the oral cavity	Bedside Teaching	01 Hour	OSCE
3.		Infections & ulcers	Describe causes, clinical features, differential diagnosis, and principles of management of oral infections and ulcers, including aphthous ulcers, herpetic stomatitis, candidiasis, and traumatic ulcers.	Lecture	01 Hour	MCQs
4.		Benign swellings	Describe types, etiology, clinical features, differential diagnosis, and principles of management of benign oral cavity swellings, including ranula, mucoceles, Ludwig angina and papilloma.	Lecture	01 Hour	MCQs
5.		Premalignant and malignant lesions	Describe types, risk factors, clinical features, malignant potential, staging, and principles of management of premalignant and malignant oral cavity lesions.	Lecture	01 Hour	MCQs
			Examine patients with oral cavity lesions, identify premalignant changes and features of malignancy, and interpret structured clinical scenarios.	Ward rotation class	01 hour	OSCE
<b>Upper Esophagus</b>						
6.		Congenital disorders	Describe types, embryological basis, clinical features, complications, and principles of management of congenital esophageal disorders, including esophageal atresia and tracheoesophageal fistula.	Lecture	01 Hour	MCQs
7.		Inflammatory disorders	Describe etiology, pathophysiology, clinical features, complications, and principles of management of esophagitis, including reflux esophagitis,	Lecture	01 Hour	MCQs

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			infective esophagitis, and corrosive injury.			
8.		Traumatic	Describe causes, mechanisms, clinical features, complications, and principles of management of esophageal trauma, including foreign body injury, perforation, and corrosive intake.	Lecture	01 Hour	MCQs
9.		Neoplasms	Describe types, risk factors, clinical features, staging, and principles of management of benign and malignant neoplasms of the esophagus, including esophageal carcinoma.	Lecture	01 Hour	MCQs
10.		Dysphagia	Describe types, causes, clinical features, evaluation, and principles of management of dysphagia, including oropharyngeal and esophageal causes.	Ward rotation class	01 Hour	OSCE
		Tracheobronchial Tree	Describe anatomy, physiology, and common disorders of the tracheobronchial tree, including airway obstruction and foreign body aspiration.	Lecture	01 Hour	MCQs
			Assess patients with stridor, cough, or suspected airway foreign body, interpret clinical findings, and manage structured clinical scenarios.	Ward rotation class	01 Hour	OSCE
11.	<b>Neck</b>	Surgical anatomy and physiology	Describe anatomy and physiology of the neck, including cervical fascial spaces, lymph nodes, thyroid gland, salivary glands, and major vessels.	Lecture	01 Hour	MCQs
12.		History Taking	Obtain focused history for neck swelling, pain, dysphagia, voice change, fever, and weight loss to narrow differential diagnoses.	Bedside Teaching	01 Hour	OSCE
13.		Examination of Neck	Perform systematic examination of the neck, including inspection, palpation of lymph nodes and thyroid	Ward rotation class	01 Hour	OSCE
14.		<b>Congenital disorders:</b>	<b>Describe types, embryological basis, clinical features, and principles of management of congenital neck disorders, including thyroglossal duct cyst, branchial cyst, cystic hygroma, and dermoid cyst.</b>	<b>Lectures</b>	<b>01 Hour</b>	<b>OSCE</b>
15.		Inflammatory disorders	Describe etiology, clinical features, complications, and principles of management of inflammatory neck conditions, including cervical lymphadenitis, neck abscesses, and cellulitis.	Lectures	01 Hour	MCQs
16.		Neoplasms	Describe types, clinical features, differential diagnosis, and principles of management of benign and malignant neoplasms of the	Lectures	01 Hour	MCQs

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			neck, including metastatic lymph nodes.			
17.	<b>Miscellaneous (Recent Advances)</b>	LASER in ENT	Describe principles, types, indications, advantages, and safety precautions of laser use in ENT	Lectures	01 Hour	MCQ's
18.		Radiotherapy	Describe principles, indications, basic techniques, and common complications of radiotherapy in ENT, particularly in head and neck malignancies.	Lectures	01 Hour	MCQ's
19.		Hyperbaric oxygen therapy	Describe principles, indications, mechanism of action, and complications of hyperbaric oxygen therapy in ENT, including use in sudden sensorineural hearing loss, malignant otitis externa, and radiation injury.	Lectures	01 Hour	MCQ's
20.		ENT manifestations of HIV	Describe common ENT manifestations of HIV infection, including oral candidiasis, recurrent sinusitis, otitis media, cervical lymphadenopathy, and head-and-neck malignancies.	Lectures	01 Hour	MCQ's

**PRIME**

<b>Conflict Management</b>	Conflict Management	Raising and acting on concerns	Group discussion and role play	01 hour	Formative
<b>Emotional intelligence</b>	Emotional intelligent	Practice in an emotionally intelligent manner in different situations	Practical / bedside	02 hour	Formative

**Learning Resources****References Textbooks**

S#	Subjects	Resources
1.	ENT	<ol style="list-style-type: none"> <li>1. Diseases of Ear, nose and Throat by Logan Turner, 11th edition</li> <li>2. Lecture notes Ear, Nose and Throat Notes by P. D. Bull, 10th edition</li> <li>3. Diseases of Ear, Nose and Throat by P.L. Dhingra, 8th edition (optional reading)</li> </ol> <p>Reference Books:</p> <ol style="list-style-type: none"> <li>1. Current medical diagnosis &amp; treatment by Maxine A. Papadakis</li> <li>2. Scott-Brown's Otorhinolaryngology, Head &amp; Neck Surgery</li> </ol>

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<b>Theory Paper</b>	<b>Modules</b>	<b>Theory Marks</b>	<b>Internal Assessment Theory</b>	<b>OSCE/VIVA</b>	<b>Internal Assessment OSCE/OSCE</b>	<b>TOTAL MARKS</b>
Paper M-1	ENT	90	10	75	8	183

- Each MCQ carries 01 mark.
- Each OSCE/VIVA station carries 05 marks

# Assessment Blueprint

## MCQs distribution

Subject	MCQs
<b>EAR</b> <ul style="list-style-type: none"> <li>● External Ear</li> <li>● Middle Ear</li> <li>● Internal Ear</li> </ul>	 11 11 11
<b>Nose &amp; PNS</b> <ul style="list-style-type: none"> <li>● Nose</li> <li>● PNS</li> </ul>	 11 11
<b>Throat</b> <ul style="list-style-type: none"> <li>● Pharynx</li> <li>● Larynx</li> </ul>	 11 11
<b>Esophagus</b>	05
<b>Oral cavity</b>	04
<b>Tracheobronchial &amp; recent advances</b>	04

## OSCE Distribution

	OSCE Stations
<b>Unobserved</b> <ul style="list-style-type: none"> <li>● Ear &amp; audiology</li> <li>● Nose</li> <li>● Throat</li> <li>● Oral cavity &amp; esophagus</li> <li>● Radiology</li> <li>● Instruments</li> </ul>	 2 2 2 1 1 1
<b>Observed</b> <ul style="list-style-type: none"> <li>● Internal examiner</li> <li>● External examiner</li> <li>● History taking</li> <li>● Ear examination</li> <li>● Nose examination</li> <li>● Throat examination</li> </ul>	 1 1 1 1 1 1

## Internal Assessment Pattern for Integrated Modular Curriculum:

Sr. No.	Criteria	Numbers
<b>Theory:</b>		
1.	Attendance (>90%=3,80-89%=2,70-79%=1,<70%=0)	3
2.	Creative work/assignments/Task	1
3.	Continuous Assessment throughout block (Formative assessments, Viva Voce, departmental activities)	2
4.	Block examination theory	2
5.	Pre prof Examination of block	2
	<b>Total</b>	<b>10</b>
<b>OSCE:</b>		
1.	Attendance (>90%=3, 80-89%=2, 70-79%=1,<70%=0)	3
2.	Log Book/practical copy	4
3.	Discipline, Responsibility and team work	1
	<b>Total</b>	<b>08</b>