



Jinnah Medical & Dental College

Study Guide

OTORHINOLARYNGOLOGY



**MBBS
2025-26**

He who has health, has hope

And he who has hope,

has everything!

**TEAM MEMBERS
DEPARTMENT OF ENT
2025-26**

Name	Committee	Department
Dr. M. Shuja Farrukh Professor	Head of Department	ENT
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INTRODUCTION

A very warm welcome to medical students in the Otolaryngology posting. Otolaryngology is the oldest medical specialty in the world. The study of otolaryngology has expanded over the past 50 years and now focuses on head and neck. The diseases of Ear, Nose and Throat had been one of the leading challenges for health care administration and providers in underdeveloped countries like Pakistan. Proper treatment in time may let a person to lead quality life without social embarrassment and economic losses.

This clinical rotation has been developed to impart integrated teaching as a part of curriculum in Jinnah Medical and Dental College, Karachi. It will be covered in 4 weeks. This clinical posting has been designed to introduce new entrants to the MBBS program basic concepts essential for understanding a number of topics in Otorhinolaryngology, so that they are able to apply it when they come across more advanced topics. This clinical posting hence provides a framework within which learners are expected to build future competencies.

RATIONALE

Before moving on to complex clinical issues, it becomes imperative for the students to achieve clear concepts of the basic organization of Ear, Nose and Throat. This posting is designed to cover the detailed examination of the ear, nose and throat, providing patient centered approach or diagnosis and management of common clinical presentations. Concepts acquired during this clinical posting will be revisited in all other subsequent postings of the undergraduate course.

GENERAL LEARNING OBJECTIVES

At the end of the Otolaryngology clinical rotation, students will be able to:

1. Take a detailed history for each of the presenting clinical scenario.
2. Perform detailed Ear Nose Throat and Neck examination.
3. Provide safe and patient-centered approach for the diagnosis of the common clinical presentations by using critical reasoning skills on the basis of:
 - Relevant basic and clinical science knowledge
 - Evidence-based medicine (EBM)
4. Demonstrate knowledge regarding Surgical and Applied anatomy of Ear Nose Throat and Neck.
5. Demonstrate truthfulness with patients, peers, and in professional work (e.g., documentation, communication, presentations, research, taking patient consent etc.)
6. Demonstrate accountability to patients as well as colleagues and accepts responsibility for errors.
7. Works cooperatively and communicates effectively to achieve common patient care and educational goals of all involved health care providers.
8. Counseling of patients regarding disease, management and prognosis.



JMDC CURRICULUM SEQUENCE: MBBS 1-5 YEARS

Year	Module 1	EOM	Module 2	EOM	Module 3	EOM	Module 4	EOM	Module 5	EOM*	Exam of Module
1	Foundation-1 8 weeks		Blood-1 4 weeks		Locomotor-1 8 weeks		Respiratory-1 4 weeks		CVS-1 4 weeks		
	PAKISTAN STUDIES & ISLAMIAT										
2	Module 6 EOM	Module 7 EOM	Module 8 EOM	Module 9 EOM	Module 10 EOM	Module 11 EOM	Module 12 EOM				
	GIT-1 4 weeks	Head & Neck-1 5 weeks	Neurosciences-1 7 weeks	Special Senses 3 weeks	Endocrine-1 5 weeks	Reproductive-1 4 weeks	Urinary-1 5 weeks				
	Communication Skills Patient Safety & Infection Control Professionalism & Ethics										
3	Module 13 EOM	Module 14 EOM	Module 15 EOM	Module 16 EOM	Module 17 EOM	Module 18 EOM					
	Foundation 2 10 weeks	Blood-2 5 weeks	Locomotor-2 4 weeks	Respiratory-2 4 weeks	CVS-2 5 weeks	GIT-2 7 weeks					
	Clinical Rotations (Each Batch) WT* = Ward test										
	Communication Skills Patient Safety & Infection Control Professionalism & Ethics										
R1	Medicine 2 weeks WT	Psychiatry 2 weeks WT	Surgery 2 weeks WT	Orthopedics 2 weeks WT	OBS/ GYN 2 weeks WT	Pediatrics 2 weeks WT	Eye 2 weeks WT	Ent 3 weeks WT			
R2	Medicine 2 weeks	Psychiatry 2 weeks	Surgery 2 weeks	Orthopedics 2 weeks	OBS/ GYN 2 weeks	Pediatrics 2 weeks	Eye 2 weeks	Ent 3 weeks			
4	Module 19 EOM	Module 20 EOM	Module 21 EOM	Module 22 EOM	Module 23 EOM	Module 24 EOM	Module 25 EOM	Module 26 EOM	Module 27 EOM		
	Nervous Sys & Psychiatry 2 8 weeks	H & N & SP Senses 2 (Eye) 4 weeks	H & N & SP Senses 3 (ENT) 4 weeks	Endocrinology 2 4 weeks	Repro 2 6 weeks	Urinary 2 4 weeks	Derma 2 weeks	Orthopedics 2 weeks	Rehab 2 weeks		
	Lectures Eye/ENT										
	Clinical Rotations (Each Batch)										
	Communication Skills Patient Safety & Infection Control Professionalism & Ethics										
R1	Medicine 3 weeks WT	Psychiatry 3 weeks WT	Surgery 3 weeks WT	Orthopedics 3 weeks WT	OBS/ GYN 3 weeks WT	Pediatrics 3 weeks WT	Eye 3 weeks WT	Ent 3 weeks WT			
R2	Medicine 3 weeks	WT	Surgery 3 weeks	WT	Eye 3 weeks	WT	Ent 3 weeks				
	LECTURES R***= Rotation										
5	Medicine			Surgery			OBS/Gynae			Pediatrics	
	Clinical Rotations										
	Communication Skills Patient Safety & Infection Control										
R1	Medicine 4 weeks			Surgery 4 weeks			OBS/ GYN 4 weeks			Pediatrics 4 weeks	
R2	Medicine 5 weeks			Surgery 5 weeks			OBS/ GYN 5 weeks			Pediatrics 5 weeks	

Otorhinolaryngology

Clinical Rotation

MAIN CONTENT AREAS

Ear

- Acute otitis externa, management of impacted wax and foreign body.
- Management plan for dealing with trauma to pinna and traumatic rupture of tympanic membrane.
- Etiology, investigations, treatment, and complications for Malignant otitis.
- Myringitis bullosa, Perichondritis and Fungal infections.
- Clinical presentations, examination findings, investigations, and treatment.
- Acute otitis media, Serous otitis media, Chronic otitis media mastoiditis.
- Causes of deafness investigation findings related to deafness and mutism in a child.
- Tinnitus & Acoustic Neuroma.
- Vestibular neuritis, benign paroxysmal positional vertigo, Meniere's Disease, and migraine-associated vertigo.

Nose

- Fractures of the external nose based on history, clinical findings and investigation. findings and management plan for dealing with trauma to external nose.
- Congenital lesions and deformities of external nose.
- Diagnosis and management of epistaxis, Deviated nasal septum, Hematoma, septal abscess, and perforation.
- Etiology, pathophysiology, clinical presentations, investigations and treatment plans for Allergic Rhinitis and rhinitis due to foreign bodies.
- Polyps, foreign bodies, and maggots in nose.
- Sinusitis, tumors, and headaches.

Throat

- Diseases of salivary gland, thyroid gland, and lymph nodes.

- Diagnose of Thyroglossal cyst/ sinus, pre-auricular cyst/sinus, Branchial Cyst and Branchial Fistula.
- Diagnosis, investigations, differential diagnosis, and treatment plans for oral cavity.
- Tonsillitis, Peri-tonsillitis and abscess etiology, pathophysiology, differential diagnosis, and investigations for dysphagia.
- Etiology and pathophysiology of supraglottitis, laryngitis and laryngeal tumors.

Competencies Assessed in This Module:

K=Knowledge

S=Skill

A=Attitude

TEACHING / LEARNING METHODS

The teaching learning sessions of this module will be of diverse types:

- a. Large group interactive sessions (LGIS)
- b. Small group teaching will include tutorials and, case – based learning session.
- c. Problem – based learning sessions.
- d. Practical session will comprise sessions on early exposure to clinical methods and practical laboratory demonstrations.
- e. Seminars: on different topics, in which students will make oral presentations on different aspects of the allocated topic.
- f. Self-directed learning sessions: This is the time during which students are expected to revise what they have learnt in the class, clear their concepts by consulting different textbooks, reference material and prepare their assignments and projects.

STUDENTS ASSESSMENT:

There will be an end of rotation ward test after completion of clinical posting which will comprise the following components: -

i. Written Assessment:

The theory paper will have components of one – best type multiple – choice questions (MCQs).

ii. Practical / Clinical examination:

This will comprise Objective Structured Clinical Examination (OSCE) The OSCE will have both observed and non-observed stations. The end of clinical posting will be of 2 hours duration. This will comprise the following components:

The OSPE/ OSCE will be conducted in batches. The students will be having different patterns of OSPE/OSCE in the subjects of Otolaryngology.

Summary of marks of each module exam:

Theory (BCQs) = 100 marks

OSPE (10 stations) = 100 marks

Total = 200 marks

INTERNAL ASSESSMENT:

- Continuous monitoring of attendance and practical assessment in short groups By Mini CEX and logbooks.
- It may be in the form of MCQs (BCQs), Ward tests, and OSCE.
- Internal assessment carries 20% weightage

COURSE EVALUATION:

Course evaluation will be obtained through a feedback form which will be posted on the JMDC website.

MANDATORY POLICY:

Eligibility for sitting in Professional Examinations is as follows:

- 75% overall Class Attendance.
- 75% Attendance all Clinical Wards with passing marks in all Clinical Ward Tests.
- Minimum 40% aggregate marks on all Internal Examinations (Module Tests, Midterm, Pre-Professional Examinations).
- MBBS 1stYear: Complete all Professional Communication assignments with passing marks.
- MBBS 1st& 2ndYear: Obtain passing marks in Behavioral Sciences & Research Module assessments.
- MBBS 2ndYear: Presentation in Journal club at least twice in a year.
- MBBS 4th& Final Year: CPC Presentation at least once in a year.
- Skills Labs: Must be completed with passing marks.
- Research Paper must be completed before MBBS 4 Professional Examination.

Failure to Meet the Eligibility Requirements:

- A Student failing to meet the above listed eligibility for sitting in the professional examination will NOT be allowed to sit in 1st attempt of the Professional Examination. The college has the right to withhold all students who however, not met the eligibility requirements from sitting in the 1st attempt.
- Such students who have been withheld from sitting in the 1st attempt of the Professional exam because of failure to meet the eligibility requirements will be allowed only to sit in the retake of that examination.
It is expected that deficiency in requirements of Professional communication assignments, Behavioral Sciences & Research Module assessments, journal Club presentations, CPC, Skills Labs must be made up and fulfilled before a student will be allowed to sit in the retake exam.

DETAILS OF ATTENDANCE POLICY:

The CR is responsible to bring attendance sheets from Student Affairs Office to each class. At the end of class, the attendance sheet must be signed and returned by the faculty member to the Student Affairs Office. No attendance sheets from students will be accepted.

These attendances will be compiled together as follows:

LECTURE ATTENDANCE = # Lectures Attended / Total # of Lectures

PRACTICAL ATTENDANCE = # Practicals Attended / Total # of Practicals

TUTORIAL ATTENDANCE = # Tutorials Attended / Total # of Tutorials

NOTE: All tutorials will be conducted by a Senior Faculty Member (AP or above), assisted by a Junior Faculty Member (Lecturer)

FINAL CLASS ATTENDANCE =

%Lecture Attendance + %Tutorial Attendance + %Practical Attendance

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RECOMMENDED READING MATERIAL

- **Text Books:**

- 1) Logan Turner's Diseases of the Nose Throat and Ear

(Edited by: AGD Maran Eleventh edition)

- 2) Principles and Practices of Oto- Rhino –Laryngology

(Edited by: Iqbal Hussain)

- 3) Diseases of Ear, Nose & Throat

(Edited by: PL Dhingra 6th edition)

- **Reference Books:**

- a. Current medical diagnosis Otolaryngology 4th Edition, Anil Lalwani
- b. Scott-Brown Otolaryngology-Head & Neck Surgery, 8th edition

OTOLARYNGOLOGY

Organization

Time requirements:

Lectures

4th year= 32 hours

Clinical Rotations

3rd year= 96 hours

4th year= 144 hours

Total = 272 hours

ENT

3rd year

Clinical Rotations

OTOLARYNGOLOGY

CLINICAL ROTATIONS

S No.	Learning Objectives By the end of this session, students will be able to:	Content Areas	Teaching activity (Duration)	Assessment
1.	Nasal Obstruction <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination To enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> DNS Nasal Polyps Allergic Rhinitis Tumors Adenoids 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE
2.	Rhinorrhea <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination To enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Allergic rhinitis Sinusitis CSF rhinorrhea Vasomotor rhinitis Rhinolith 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE
3.	Epistaxis <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination 	<ul style="list-style-type: none"> Trauma Tumor Post-surgical Hypertension Anticoagulants 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE

	<ul style="list-style-type: none"> To enlist the associated symptoms (S) (A) 			
4.	Sore Throat <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination to enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Pharyngitis Tonsillitis Quinsy Foreign body Neoplastic 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE
5.	Airway Obstruction/Dyspnea <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination to enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Foreign body Neoplastic Croup Epiglottitis 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE
6.	Change of voice <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination To enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Acute laryngitis Chronic laryngitis Vocal cord paralysis Vocal nodules Neoplastic 	Bed side teaching + Out patient demonstration 3 hours	Mini CEX OSPE/OSCE

7.	Dizziness/Vertigo <ul style="list-style-type: none"> To take detailed history To describe different etiological Factors To perform clinical examination to enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> CSOM BNPV Meniere's disease 	Bed side teaching + Out patient demonstration 3 hours	OSPE/OSCE
8.	Deafness <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination to enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Otosclerosis TM perforation CSOM Serous otitis media Noise induced hearing loss Meniere's disease 	Bed side teaching + Out patient demonstration 3 hours	OSPE/OSCE
9.	Facial Weakness'/Paralysis <ul style="list-style-type: none"> To take detailed history To describe different etiological factors To perform clinical examination to enlist the associated symptoms (S) (A) 	<ul style="list-style-type: none"> Bell's palsy CSOM Malignant Otitis externa Herpes zoster Trauma Neoplastic 	Bed side teaching + Out patient demonstration 3 hours	OSPE/OSCE

OTOLARYNGOLOGY

SKILL LAB

S No.	Learning Objectives By the end of this session, students will be able to:	Content Areas	Teaching activity (Duration)	Assessment
1.	<ul style="list-style-type: none">To proper handlingTo examine the External auditory canal, Tympanic membrane. (S)	Otoscopy	Demonstrations 2 hours	OSPE/OSCE
2.	<ul style="list-style-type: none">To proper handlingTo perform the Rinne's Weber's and ABC tests (S)	Tuning fork test	Demonstrations 2 hours	OSPE/OSCE
3.	<ul style="list-style-type: none">To Proper handling of instruments. (S)	Anterior/Posterior Rhinoscopy	Demonstrations 2 hours	OSPE/OSCE

ENT

4TH year

Lectures
&
Clinical Rotations

EAR

LECTURES

S. No	Learning Objectives By the end of the session, students will be able to:	Content Areas	Learning Activity (Duration)	Assessment
1.	EXTERNAL EAR <ul style="list-style-type: none"> Discuss the etiology, investigations, treatment and complications for- Acute otitis external Describe management of impacted wax and foreign body plans for benign tumors of external ear (K) 	<ul style="list-style-type: none"> Etiology, investigations, treatment and complications for- Acute otitis externa Management of impacted wax and foreign body plans for benign tumors of external ear 	LGIS 50 mins	—
2.	<ul style="list-style-type: none"> Describe management plan for dealing with trauma to pinna and traumatic rupture of tympanic membrane Discuss the etiology, investigations, treatment and complications for Malignant otitis externa Discuss the clinical presentations, examination findings, Investigations, and treatment (K) 	<ul style="list-style-type: none"> Etiology, investigations, treatment and complications for- Acute otitis externa Management of impacted wax and foreign body plans for benign tumors of external ear 	LGIS 50 mins + Demonstrations 90 mins	OSCE MCQs
3.	<ul style="list-style-type: none"> Discuss the etiology, investigations, treatment, and complications for Myringitis bullosa, 	<ul style="list-style-type: none"> Etiology, investigations, treatment, and complications for Myringitis bullosa, 	LGIS 50 mins + Demonstrations 90 mins	OSCE MCQs

	<p>Perichondritis and Fungal infections</p> <ul style="list-style-type: none"> • Discuss the clinical presentations, examination findings, investigations, and treatment plans for malignant tumors of external ear (K) 	<p>Perichondritis and Fungal infections</p> <ul style="list-style-type: none"> • Discuss the clinical presentations, examination findings, investigations, and treatment plans for malignant tumors of external ear 		
4.	<p>MIDDLE EAR</p> <ul style="list-style-type: none"> • Discuss the etiology, pathophysiology, clinical presentations, examination findings, investigations and treatment plans for acute otitis media, Serous otitis media, and Chronic otitis media • Describe the diagnosis and management for complications of otitis media and mastoiditis (K) 	<ul style="list-style-type: none"> • Etiology, pathophysiology, clinical presentations, examination findings, investigations and treatment plans for acute otitis media, Serous otitis media, and Chronic otitis media • Diagnosis and management for complications of otitis media and mastoiditis 	<p>LGIS 50 mins</p>	<p>MCQs</p>
5.	<ul style="list-style-type: none"> • Discuss the etiology, pathophysiology, clinical presentations, examination findings, investigations, and treatment plans for Acute necrotizing otitis media • Discuss the clinical presentations, examination findings, investigations and treatment plans for benign and malignant tumors of middle ear (K) 	<ul style="list-style-type: none"> • Etiology, pathophysiology, clinical presentations, examination findings, investigations, and treatment plans for Acute necrotizing otitis media • Clinical presentations, examination findings, investigations and treatment plans for benign and malignant tumors of middle ear 	<p>LGIS 50 mins</p>	<p>MCQs</p>

6.	<ul style="list-style-type: none"> Define deafness List causes of deafness • Interpret investigation findings related to deafness (Audiogram, tympanogram) Diagnose deafness and mutism in a child Discuss the differential diagnosis, investigations, and treatment of Tinnitus & Acoustic Neuroma (K) 	<ul style="list-style-type: none"> Causes of deafness Investigation findings related to deafness (Audiogram, tympanogram) Deafness and mutism in a child Differential diagnosis, investigations, and treatment of Tinnitus & Acoustic Neuroma 	LGIS 50 mins	MCQs
7.	<ul style="list-style-type: none"> Discuss the clinical presentations and treatment options for vestibula neuritis, benign paroxysmal positional vertigo, Meniere's Disease, and migraine-associated vertigo (K) 	<ul style="list-style-type: none"> Clinical presentations and treatment options for vestibula neuritis, benign paroxysmal positional vertigo, Meniere's Disease, and migraine-associated vertigo 	LGIS 50 mins	MCQs

NOSE

LECTURES

S. No	Learning Objectives By the end of the session, students will be able to:	Content Areas	Learning Activity (Duration)	Assessment
1.	EXTERNAL NOSE <ul style="list-style-type: none"> Diagnose fractures of the external nose based on history, clinical findings, and investigation findings Discuss management plan for dealing with trauma to external nose (K) 	<ul style="list-style-type: none"> Fractures of the external nose based on history, clinical findings, and investigation findings Management plan for dealing with trauma to external nose 	LGIS 50 mins	MCQs
2.	<ul style="list-style-type: none"> Diagnose congenital lesions of external nose (choanal atresia) based on clinical and investigation findings Based on data provided, discuss management plans for External nose deformities (K) 	<ul style="list-style-type: none"> Congenital lesions of external nose (choanal atresia) based on clinical and investigation findings Management plans for External nose deformities 	LGIS 50 mins	MCQs
3.	SEPTUM <ul style="list-style-type: none"> Diagnose epistaxis, Deviated nasal septum, Hematoma, septal abscess, and perforation Discuss management plans 	<ul style="list-style-type: none"> Epistaxis, Deviated nasal septum, Hematoma, septal abscess, and perforation Management plans for epistaxis, Deviated nasal septum, Hematoma, septal abscess, and perforation 	LGIS 50 mins	MCQs

	for epistaxis, Deviated nasal septum, Hematoma, septal abscess, and perforation (K)			
4.	RHINITIS <ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical presentations, investigations and treatment plans for Allergic Rhinitis and rhinitis due to foreign bodies Describe the etiology, pathophysiology, clinical presentations investigations and treatment plans for common types of Atrophic Rhinitis, Hyper-Trophic Rhinitis and VMR (K) 	<ul style="list-style-type: none"> Etiology, pathophysiology, clinical presentations, investigations and treatment plans for Allergic Rhinitis and rhinitis due to foreign bodies Etiology, pathophysiology, clinical presentations investigations and treatment plans for common types of Atrophic Rhinitis, Hyper-Trophic Rhinitis and VMR 	LGIS 50 mins	MCQs
5.	POLYPS <ul style="list-style-type: none"> Define Polyps Diagnose Ethmoidal and Antrochoanal Polypus Discuss management plans for Ethmoidal and Antrochoanal Polypus (K) 	<ul style="list-style-type: none"> Polyps Ethmoidal and Antrochoanal Polypus Management plans for Ethmoidal and Antrochoanal Polypus 	LGIS 50 mins	MCQs

6.	<ul style="list-style-type: none"> • Diagnose Bleeding Polypus • Discuss management plans for Bleeding Polypus (K) 	<ul style="list-style-type: none"> • Bleeding Polypus • Management plans for Bleeding Polypus 	LGIS 50 mins	MCQs
7.	FOREIGN BODY IN NOSE <ul style="list-style-type: none"> • Diagnose foreign bodies in nose (i.e. Rhinoliths) based on examination& investigation findings • Discuss management plans for Rhinolith (K) 	<ul style="list-style-type: none"> • Foreign bodies in nose (i.e. Rhinoliths) based on examination& investigation findings • Management plans for Rhinolith 	LGIS 50 mins	MCQs
8.	<ul style="list-style-type: none"> • Diagnose foreign bodies in nose (i.e., Maggots) based on examination & investigation findings • Discuss management plans for Maggots (K) 	<ul style="list-style-type: none"> • Foreign bodies in nose (i.e., Maggots) based on examination & investigation findings • Management plans for Maggots 	LGIS 50 mins	MCQs
9.	SINUSITIS <ul style="list-style-type: none"> • Discuss the etiology, pathophysiology, clinical presentations, 	<ul style="list-style-type: none"> • Etiology, pathophysiology, clinical presentations, examination findings, investigations, differential 		

	<p>examination findings, investigations, differential diagnosis and treatment plans for: Acute Sinusitis and Chronic Sinusitis</p> <ul style="list-style-type: none"> Based on data provided diagnose complications of the above-mentioned conditions Suggest treatment plan for these conditions diagnose CSF Rhinorrheas based on data provided (K) 	<p>diagnosis and treatment plans for: Acute Sinusitis and Chronic Sinusitis</p> <ul style="list-style-type: none"> Based on data provided diagnose complications of the above-mentioned conditions Suggest treatment plan for these conditions diagnose CSF Rhinorrheas based on data provided 	<p>LGIS 50 mins</p>	<p>MCQs</p>
10.	<p>TUMOURS</p> <ul style="list-style-type: none"> Discuss the etiology, pathophysiology, clinical presentations, examination in findings, investigation, differential diagnosis and treatment plans for Basal & Squamous Cell Carcinoma, Papilloma & Osteoma (K) 	<ul style="list-style-type: none"> Etiology, pathophysiology, clinical presentations, examination in findings, investigation, differential diagnosis and treatment plans for Basal & Squamous Cell Carcinoma, Papilloma & Osteoma 	<p>LGIS 50mins</p>	<p>MCQs</p>
11.	<p>HEADACHE AND ITS ENT CAUSES</p> <ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis, and treatment plans for headaches with emphasis on ENT based (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis, and treatment plans for headaches with emphasis on ENT causes 	<p>LGIS 50 mins</p>	<p>MCQs</p>

THROAT

LECTURES

S. No	Learning Objectives By the end of the session, students will be able to:	Content Areas	Learning Activity (Duration)	Assessment
1.	<ul style="list-style-type: none"> Discuss the differential diagnosis for neck mass based on data provided (symptoms, signs, investigations) Diagnose diseases of salivary gland (neoplastic, non-neoplastic and parotitis), thyroid gland and lymph nodes based on clinical presentations and investigation findings (K) 	<ul style="list-style-type: none"> Differential diagnosis for neck mass based on data provided (symptoms, signs, investigations) Diseases of salivary gland (neoplastic, non-neoplastic and parotitis), thyroid gland and lymph nodes based on clinical presentations and investigation findings 	LGIS 50 mins	MCQs
2.	<ul style="list-style-type: none"> Diagnose Thyroglossal cyst/ sinus, Pre-auricular cyst/sinus, Branchial Cyst and Branchial Fistula (K) 	<ul style="list-style-type: none"> Thyroglossal cyst/ sinus, Pre-auricular cyst/sinus, Branchial Cyst and Branchial Fistula 	LGIS 50 mins	MCQs
3.	<ul style="list-style-type: none"> Justify selection of treatment options for the salivary gland conditions on the basis of data given Diagnose cleft palate and hare lip based on clinical presentation and investigation findings Describe the embryological defects and etiology for these conditions 	<ul style="list-style-type: none"> Selection of treatment options for the salivary gland conditions Cleft palate and hare lip based on clinical presentation and investigation findings Embryological defects and etiology for these conditions Treatment options for the above-mentioned conditions 	LGIS 50 mins	MCQs

	<ul style="list-style-type: none"> Describe treatment options for the above-mentioned conditions (K) 			
4.	<p>BUCCAL CAVITY, ORAL CAVITY, OROPHARYNX</p> <p>ORAL CAVITY ULCERS</p> <ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the data given for oral cavity ulcers (Aphthous, Thrush & Leukoplakia (K)) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for oral cavity ulcers (Aphthous, Thrush & Leukoplakia) 	LGIS 50 mins	MCQs
5.	<ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the basis of the data given for oral cavity ulcers (Traumatic, Vincent's Angina, A granulocytic Tuberculous, Bechet's Disease and Ulcerative lesions of Oral Cavity) (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for oral cavity ulcers (Traumatic, Vincent's Angina, A granulocytic Tuberculous, Bechet's Disease and Ulcerative lesions of Oral Cavity) 	LGIS 50 mins	MCQs
6.	<ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the basis of data given for Oral Malignant Ulcers (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for Oral Malignant Ulcers 	LGIS 50 mins	MCQs

7.	OROPHARYNX <ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the basis of data given for Tonsillitis, Peri-tonsillitis and abscess (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for Tonsillitis, Peri-tonsillitis and abscess 	LGIS 50 mins	MCQs
8.	<ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the basis of data given for Tumors of tonsils, Sleep apnea syndrome and Ludwig's angina (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for Tumors of tonsils, Sleep apnea syndrome and Ludwig's angina 	LGIS 50 mins	MCQs
9.	<ul style="list-style-type: none"> Justify diagnosis, investigations, differential diagnosis and treatment plans on the basis of data given for Pharyngeal & Retro-pharyngeal abscesses (K) 	<ul style="list-style-type: none"> Diagnosis, investigations, differential diagnosis and treatment plans for Pharyngeal & Retro-pharyngeal abscesses 	LGIS 50 mins	MCQs
10.	OESOPHAGUS <ul style="list-style-type: none"> Describe etiology, differential diagnosis and investigations for dysphagia (oral, pharyngeal and esophageal) (K) Describe indications, contraindications and complication of esophagoscopy (K) 	<ul style="list-style-type: none"> Etiology, differential diagnosis and investigations for dysphagia (oral, pharyngeal and esophageal) Indications, contraindications and complication of esophagoscopy 	LGIS 50 mins	MCQs

11.	<ul style="list-style-type: none"> Classify Oesophageal carcinoma Describe the pathophysiology of Oesophageal carcinoma based on symptoms and signs and, investigation findings Develop treatment and follow plans for Oesophageal carcinoma (K) 	<ul style="list-style-type: none"> Classification of Oesophageal carcinoma Pathophysiology of Oesophageal carcinoma based on symptoms and signs and, investigation findings Treatment and follow plans for Oesophageal carcinoma 	LGIS 50 mins	MCQs
12.	<ul style="list-style-type: none"> Describe aetiology, pathophysiology, investigations and principles of treatment for Vocal Nodules and Vocal cord paralysis Diagnose laryngitis based on symptoms and signs and, investigation findings Develop treatment and follow plans for the above-mentioned conditions Describe the aetiology and pathophysiology of supraglottitis, laryngitis Classify laryngeal tumours Diagnose Papilloma Larynx, laryngeal Polyps and Laryngeal Carcinoma based on symptoms and signs 	<ul style="list-style-type: none"> Etiology, pathophysiology, investigations and principles of treatment for Vocal Nodules and Vocal cord paralysis Laryngitis based on symptoms and signs and, investigation findings Treatment and follow plans for the above-mentioned conditions Etiology and pathophysiology of supraglottitis, laryngitis Classification laryngeal tumours Papilloma Larynx, laryngeal Polyps and Laryngeal Carcinoma based on symptoms and signs and, investigation findings indications, contraindications, complications, operation steps and post 	LGIS 50 mins	MCQs

	and, investigation findings <ul style="list-style-type: none"> Describe indications, contraindications, complications, operation steps and post (K) 			
13	<ul style="list-style-type: none"> Describe the aetiology and pathophysiology of Diphtheria Diagnose Diphtheria based on symptoms and signs and, investigation findings Develop treatment and follow plans for the above-mentioned condition (K) 	<ul style="list-style-type: none"> Etiology and pathophysiology of Diphtheria Diphtheria based on symptoms and signs and, investigation findings Develop treatment and follow plans for the above-mentioned condition 	LGIS 50 mins	MCQs
14.	<ul style="list-style-type: none"> Describe etiology, pathophysiology, investigations and principles of treatment for Glottic stenosis/ Laryngocele, Laryngomalacia Describe etiology and pathophysiology for syphilis, leprosy and non-specific Laryngitis Diagnose syphilis, leprosy and non-specific laryngitis based on symptoms and signs and, investigation findings Develop treatment and follow plans for the above-mentioned conditions (K) 	<ul style="list-style-type: none"> Etiology, pathophysiology, investigations and principles of treatment for Glottic stenosis/ Laryngocele, Laryngomalacia Etiology and pathophysiology for syphilis, leprosy and non-specific Laryngitis Sy, leprosy and non-specific laryngitis based on symptoms and signs and, investigation findings Treatment and follow plans for the above-mentioned conditions 	LGIS 50 mins	MCQs

MEDICAL EDUCATION**LECTURES / WORKSHOP**

S.NO	Learning Objectives (domain) At the end of session, student will be able to:	Content Areas	Teaching Activity (Duration)	Assessment
1.	How to do Educational Planning (S)	Educational Planning	Workshop 3 Hours	—
2.	Writing Educational Objectives (How, What, Why) (S)	Educational Objectives	Workshop 3 Hours	
3.	Develop OSPE/OSCE stations (S)	OSPE/OSCE Development	Workshop 3 Hours	—
4.	How to do students engagement and Teaching methodologies (S)	Student Engagement & Teaching Methodologies	Workshop 3 Hours	
5.	Prepare TOS and Assessment Planning (S)	TOS and Assessment planning	Workshop 3 Hours	

Learning resource: How to succeed at medical school, Dason Evans & Jo Brown, 2009

TIME TABLE

Jinnah Medical & Dental College
MBBS 4 (Batch 25) - 2025
EYE/ENT- NEUROPSYCHIATRY MODULE – WEEK 1

Venue: LH 104

MON Dec 30	9:00-9:30 Introduction Dr. Ambreen Usmani	9:30-10:20 PATHOLOGY Nerve Injury, Cerebral Edema & Raised ICP Dr. Shoaib	10:25-11:15 PHARMACOLOGY CNS Introduction Dr. Samia	11:45-12:35 PATHOLOGY Traumatic CNS Injuries Dr. Younus	12:40-1:30 COMMUNITY MEDICINE Introduction to Mental Health Dr. Ayesha	2:00-3:30 CLINICAL WARD DUTIES
TUES Dec 31	9:00-11:00 CLINICAL WORK Rotation 1.1		11:15-12:05 PATHOLOGY Parenchymal Injuries Dr. Kulsoom	12:10-1:00 PHARMACOLOGY Sedative Hypnotics: Benzodiazepines Dr. Amber	1:30-3:30 CLINICAL WARD DUTIES	
WED Jan 1	9:00-9:50 CLINICAL PATHOLOGICAL CONFERENCE	9:55-10:45 ENT Ear Anatomy, Physiology, Symptomatology Dr. Tooba	11:00-1:00 CLINICAL WORK Rotation 1.1		1:30-3:00 PBL Neuro 1.1 1-Surgery-Surgery SR 2-Ob/Gyn-Ob/Gyn SR 3-Medicine-Medicine SR 4-Pediatrics-Peds SR	SELF STUDY
THURS Jan 2	PSYCHIATRY Introduction to Mental Health; Biosocial Method; Non- Pharmacological Interventions Dr. Aneel	MEDICINE (NEUROLOGY) Lesion Localization Dr. Monika	CLINICAL WORK Rotation 1.1		PBL Neuro 1.2 1-Surgery-Surgery SR 2-Ob/Gyn-Ob/Gyn SR 3-Medicine-Medicine SR 4-Pediatrics-Peds SR	SELF STUDY
FRI Jan 3	PSYCHIATRY Counseling & Psychotherapy Dr. Aneel	MEDICINE (NEUROLOGY) Cranial Nerve Lesions Dr. Monika	CLINICAL WORK Rotation 1.1		2:00-3:00 RESEARCH PROJECT Mandatory Meeting with Supervisors Weekly – Attendance to be taken by Supervisors & submitted to CHS Department. Time/day of weekly meetings will be mutually agreed by student group and supervisor	
SAT Jan 4	MEDICINE Post PBL 1.3	EYE Ophthalmology History Taking Anatomy & Physiology	CLINICAL WORK Rotation 1.1		2:00-3:00 PHYSICAL TRAINING LH104	

Jinnah Medical & Dental College
MBBS 4 (Batch 25) - 2025
EYE/ENT- ENDOCRINE MODULE – WEEK 1

Venue: LH 104

MON Feb 24	NEUROPSYCHIATRY MODULE TEST			1:30-3:30 CLINICAL WARD DUTIES
TUES Feb 25	NEUROPSYCHIATRY MODULE TEST			1:30-3:30 CLINICAL WARD DUTIES
WED Feb 26	9:00-9:50 CLINICAL PATHOLOGICAL CONFERENCE	9:55-10:45 ENT Otosclerosis Dr. Tooba	11:00-1:00 CLINICAL WORK Rotation 3.3	1:30-3:00 PBL Endocrine 1.1 1. OB/Gyn – OB/Gyn SR 2. Surgery-Surgery SR 3-Pediatrics – Peds SR 4-Medicine – Medicine SR
THURS Feb 27	9:00-9:50 PATHOLOGY Pituitary Gland Overview Dr. Saleha	MEDICAL EDUCATION NeuroPsych Module Test Review Dr. Younus	CLINICAL WORK Rotation 3.3	PBL Endocrine 1.2 1. OB/Gyn – OB/Gyn SR 2. Surgery-Surgery SR 3-Pediatrics – Peds SR 4-Medicine – Medicine SR
FRI Feb 28	PHARMACOLOGY Pituitary Hormones Dr. Amber	PATHOLOGY Pituitary Tumors Dr. Saleha	CLINICAL WORK Rotation 3.3	2:00-3:00 RESEARCH PROJECT Meet with Supervisor Attendance Mandatory
SAT Mar 1	PBL 1.3 Post PBL Discussion Medicine Dr. Tasneem	EYE Lacrimal Apparatus Diseases Dr. Zeeshan Kamil	CLINICAL WORK Rotation 3.3 WARD TEST	2:00-3:00 PHYSICAL TRAINING LH104

Jinnah Medical & Dental College
MBBS 4 (Batch 25) 2025
EYE/ENT- URINARY II MODULE – WEEK 1

Venue: LH 104

MON Apr 7	ENDOCRINE MODULE TEST			1:30-3:30 CLINICAL WARD DUTIES
TUES Apr 8	9:00-11:00 CLINICAL WORK Rotation 5.2	ENDOCRINE MODULE TEST		1:30-3:30 CLINICAL WARD DUTIES
WED Apr 9	9:00-9:50 CLINICAL PATHOLOGICAL CONFERENCE	9:55-10:45 ENT Atrophic, Vasomotor & Allergic Rhinitis Dr. Shuja	11:00-1:00 CLINICAL WORK Rotation 5.2	1:30-3:00 CBL Urinary 1.1 1- Pediatrics – Peds SR 2- Medicine – Medicine SR 3- Surgery-Surgery SR 4- OB/Gyn – OB/Gyn SR
THURS Apr 10	PATHOLOGY Cysts: Congenital & Acquired Cystic Conditions Dr. Shoaib	PHARMACOLOGY Diuretics 1	CLINICAL WORK Rotation 5.2	CBL Urinary 1.2 1- Pediatrics – Peds SR 2- Medicine – Medicine SR 3- Surgery-Surgery SR 4- OB/Gyn – OB/Gyn SR
FRI Apr 11	PATHOLOGY Obstructive Uropathy 1: Urinary Outflow Obstruction Dr. Umme Kulsoom	PHARMACOLOGY Diuretics 2	CLINICAL WORK Rotation 5.2	2:00-3:00 RESEARCH PROJECT Meet with Supervisor Attendance Mandatory
SAT Apr 12	PBL 1.3 Post CBL Discussion Dr. Baber	EYE Glaucoma II Dr. Umer Hassan	CLINICAL WORK Rotation 5.2	2:00-3:00 PHYSICAL TRAINING LH104

Jinnah Medical & Dental College
MBBS 4 (Batch 25) - 2025
EYE/ENT- DERMA-ORTHOPEDICS-REHAB MODULE – WEEK 1

Venue: LH 104 (Building B)

	9:00-9:50	9:55-10:45	11:00-1:00	1:30-3:00
MON May 12	URINARY MODULE EXAM			1:30-3:30 CLINICAL WARD DUTIES
TUES May 13	URINARY MODULE EXAM			1:30-3:30 CLINICAL WARD DUTIES
WED May 14	CLINICAL PATHOLOGICAL CONFERENCE	ENT Epistaxis, NPC Dr. Zain	CLINICAL WORK Rotation 6.3	CBL Ortho 1.1 1-Surgery-Surgery SR 2-Ob/Gyn-Ob/Gyn SR 3-Medicine-Medicine SR 4-Pediatrics-Peds SR
THURS May 15	MEDICAL EDUCATION Urinary Module Test Review Dr. Furqan Mirza	DERMATOLOGY Basic Skin Terminologies Dr. Farina	CLINICAL WORK Rotation 6.3	CBL Ortho 1.2 4-Surgery-Surgery SR 1-Ob/Gyn-Ob/Gyn SR 2-Medicine-Medicine SR 3-Pediatrics-Peds SR
FRI May 16	COMMUNITY MEDICINE Medical Anthropology Dr. Arham	REHABILITATION Introduction To Rehabilitation Medicine & Community Based Rehabilitation Dr. Aqsa	CLINICAL WORK Rotation 6.3	RESEARCH PROJECT Mandatory Meeting with Supervisors Weekly – Attendance to be taken by Supervisors & submitted. Time/day of weekly meetings will be mutually agreed by student group and supervisor
SAT May 17	SURGERY / ORTHO Musculoskeletal Diseases Presenting Problems & Investigations Dr. Farooq	EYE Diabetes & the Eye Dr. Fawad Rizvi	CLINICAL WORK Rotation 6.3 WARD TEST	1:10-2:00 CBL 1.3 Post CBL Session Surgery
				2:00-3:00 PHYSICAL TRAINING LH104

Jinnah Medical & Dental College
MBBS 4 (Batch 25)
EYE/ENT- REPRODUCTIVE 2 MODULE – WEEK 1

Venue: LH104

MON Aug 4	9:00-9:50 PATHOLOGY Congenital Anomalies of Female & Male Genital Tract Dr. Saleha	9:55-10:45 OB-GYN Early Pregnancy Disorder (Miscarriages & Ectopic) Dr. Shazia	11:15-12:05 PATHOLOGY Functional Endometrial Hyperplasia & Disorders Dr. Shoaib	12:10-1:00 MEDICAL EDUCATION Derma-Ortho-Rehab- Module Test Review Dr. Furqan	1:30-3:30 CLINICAL WARD DUTIES
TUES Aug 5	9:00-11:00 CLINICAL WORK Rotation 9.1		11:15-12:05 OB GYN Primary & Secondary Amenorrhea Dr. Devi	12:10-1:00 PATHOLOGY Ovarian Cysts: Non- neoplastic, Functional & Poly Cystic Ovaries Dr. Kulsom	1:30-3:30 CLINICAL WARD DUTIES
WED Aug 6	9:00-9:50 CLINICAL PATHOLOGICAL CONFERENCE	9:55-10:45 ENT Hypopharynx Diseases Dr. Zian	11:00-1:00 CLINICAL WORK Rotation 9.1		1:30-3:00 CBL Repro 1.1 1- OB/Gyn – OB/Gyn SR 2- Surgery-Surgery SR 3-Pediatrics – Peds SR 4-Medicine – Medicine SR
THURS Aug 7	OB-GYN Menstrual Irregularities: Terminologies & Uterine Tumors (Fibroid, Polyp, HMB) Dr. Farzana	PATHOLOGY Infectious Agents Causing Genital Ulcer Disease Dr. Khush Bakht	CLINICAL WORK Rotation 9.1		CBL Repro 1.2 1- OB/Gyn – OB/Gyn SR 2- Surgery-Surgery SR 3-Pediatrics – Peds SR 4-Medicine – Medicine SR
FRI Aug 8	PATHOLOGY Infectious Agents Causing Vaginitis Dr. Khush Bakht	COMMUNITY MEDICINE Introduction to Reproductive Health Dr. Sanowar	CLINICAL WORK Rotation 9.1		RESEARCH PROJECT Mandatory Meeting with Supervisors Weekly – Attendance to be taken by Supervisors & submitted. Time/day of weekly meetings will be mutually agreed by student group and supervisor
SAT Aug 9	OB-GYN Vulvo-Vaginal Infections; Bartholin's Cyst, Abscess, UTI Dr. Erum	EYE Systemic Diseases & the Eye Dr. Fawad	CLINICAL WORK Rotation 9.1		1:10-2:00 CBL 1.3 Post PBL Session OB-Gyn 2:00-3:00 PHYSICAL TRAINING LH104

END of Clinical Posting

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