



STUDY GUIDE

ENT

CMH Lahore Medical

&

College of Dentistry 2021-2022

Study Guide 4th year MBBS ENT and Head and Neck Surgery

Department Information:-

The department of ENT and Head & Neck Surgery has following Faculty members

1. Lt Col (R) Ayub Ahmad Khan

Professor of ENT

2. Brig Attique Ahmed

Associate Professor of ENT

3. Col Usman Rafique

Assistant Professor

4. Lt Col Khalid Azam

Associate Professor

5. Maj Nadia

Senior Registrar

6. Dr Anam Asif

Registrar

7. Maj Tayyab

PGR

8. Dr Wajiha

PGR

9. Dr Affaf

PGR

Prof Lt Col (r) Ayub Ahamd Khan is considered to be the part of Civilian Faculty while other faculty members are considered army faculty. Civil faculty have their offices in the College building and share the same clinics for patient consultation in Combined Military Hospital Lahore. Civil and Military faculty both are equally involved in teaching the students. Faculty not only teach fourth years MBBS but also take care of learning needs of first, second and third year MBBS and BDS Classes. Combined Military Hospital is a multidisciplinary organization and our undergraduate and postgraduate students work in harmony with Maxillofacial, Neurosurgical, Ophthalmic and Plastic Surgery Departments. Our Postgraduate trainees do their clinical rotations with these departments.

Our Mission:

Our mission is to equip the average student with the minimum essential knowledge, skill and attitude to make him able to:-

- Identify common ENT diseases, emergencies, providing primary health care, referral to an appropriate center and conducting follow-ups.
- Perform minor procedures safely, and enabling the student to communicate effectively with the patient and his/her family about the disease and other relevant issues.
- Understanding ethics, being empathetic to the patient's plight and maintaining patient confidentiality.

Our strategy to achieve the aforementioned goals will be:

- I. Interactive lectures
- II. Small group discussion
- III. Problem based learning
- IV. Clinical rotations and ward visits
- V. Tutorials
- VI. CPCs and Seminars
- VII. PBL- group taken
- VIII. SDL-online tutorial and lecture
 - IX. Research projects

Outcome:

By the end of the rotation in the Department of ENT and Head and Neck Surgery, the student should be able to:

- I. Obtain an appropriate History including history of present illness, past, personal, Socioeconomic and family history.
- II. Perform routine examination
 - a. General Physical Examination
 - b. Examination of Neck
 - c. Examination of Swelling
 - d. Examination of Oral Cavity and throat.
 - e. Examination of Nose
 - f. Examination of Ear
- III. Identify common ENT problems and perform tests
 - a. Ear
- i. Pre-auricular region swelling
- ii. Swelling of Pinna
- iii. Seroma of Pinna
- iv. Abscess of Pinna
- v. Otitis Externa including localized and generalized
- vi. Tympanic membrane perforation
- vii. Tympanic membrane granulation
- viii. Ossicles including Handle of Malleus and long process of incus
- ix. Tuning fork tests
- x. Tests of Vestibular Function
- xi. Tests of cerebellar function
- xii. Interpret audiogram and tympanogram
- b. Nose
 - i. Vestibule of nose
 - ii. Nasal septum
 - iii. Lateral wall of Nose
 - iv. Inferior turbinate
 - v. Middle turbinate
 - vi. Deviated nasal septum
 - vii. Check patency of nose

- viii. Nasal Polyps
- ix. Identify unilateral and bilateral nasal obstruction
- x. Interpret X Ray PNS
- xi. Interpret X Ray Neck for adenoids
- c. Throat and Oral Cavity
 - i. Teeth
 - ii. Vestibule of Oral Cavity
 - iii. Floor of oral cavity
 - iv. Openings of submandibular and parotid ducts
 - v. Anterior and posterior faucial pillars
 - vi. Tonsils
 - vii. Posterior pharyngeal wall
 - viii. Hard palate, soft palate and uvula
 - ix. Tongue and its lateral boarders
- d. Neck
 - i. Colour
 - ii. Thyroid gland
 - iii. Parotid and submandibular gland
 - iv. Neck nodes
 - v. Examination of swelling
 - vi. Laryngeal cartilages
- IV. Outline appropriate management plans
 - a. Interpret investigations
 - i. Blood CBC
 - i. Hepatitis Profile
 - ii. Coagulation profile
 - iii. Tympanogram
 - iv. Audiogram
 - v. X Ray Neck, PNS and Chest
 - b. Co-relate history, examination findings and investigations and do clinical reasoning and establish diagnosis considering all differential diagnosis.
 - c. Plan treatment in the light of established diagnosis.

ENT - BLOCK I

(EAR)

Course coordinator- Prof Lt Col Ayub Ahmad Khan Professor ENT drayubahmadkhan@gmail.com Cell- 0321-6146101(contact between 1200-1400hrs)

He will be available in his office for any question or query on Mon, Wed and Friday (900-1200hrs)

CODE: Y4B1

Duration: 12 weeks

At the end of this block.

	student will be able to:					
S No	Theme/ Topic	Learning out comes	Cou rse con tent	%		
1	Basic of hearing and balance	 Revisit the applied anatomy and physiology of hearing and balance as well as Eustachian tube and its role in hearing Recall the pathophysiology of vertigo 	 Anatomy and physiology of hearing and balance Effects of Eustachian tube malfunction Pathophysiology of vertigo 	05		
2	Discharge & Deafness	Suggest a management plan for a patient with ear discharge after interpreting relevant investigations if needed	Discharge Ear DD of Discharging Ear Overview and Classification of Otitis Media <u>Diseases*</u> • Acute Supparative Otitis Media • Chronic Supparative Otitis Media CSF Ottorrhoea Bleeding from Ear [Trauma Base of Skull	40		

 Differentiate between various types of deafness on the basis of history and examination Interpret appropriate investigations to reach the final diagnosis Suggest appropriate plan for treatment and rehabilitation 	Deafness Overview of Deafness Causes [Unilateral/Bilateral/Sudde n/Children] DD Social/Medico legal aspects Diseases Causing Conductive deafness Wax FB Fluid in Middle Ear [Sec OM]
Retell medico legal and social aspects of deafness	 Trauma to ear [Traumatic Perforation of TM Haemotympanum/Ossic ular disruption Otosclerosis <u>Diseases Causing Senso Neural</u> <u>Deafness</u> Presbyacusis Drug Induced Deafness Noise Induced Deafness and Acoustic Trauma Psychogenic Deafness Deaf-Mutism in Children Rehabilitatio n of the Deaf Hearing Aid Cochlear implant

	Otalgia	Differentiate between referred otalgia and that arising from local conditions of ear Suggest appropriate treatment after the interpretation of relevant investigations if needed 1 Differentiate between various	Causes and Differential Diagnosis of Otalgia *Eiology/ Pathogenesis, Signs Symptoms, Investigations, treatment Complications Follow-up • Boil • Otitis Externa • Ac Otitis media • Herpes Simplex • Perichondritis • Traumatic conditions of external and middle ears • Referred otalgia • Barotrauma • Complications of CSOM • Ca- Middle Ear??	25
4	Vertigo & Tinnitus	 Differentiate between various types of vertigo in relation to its pathophysiology Suggest appropriate treatment including rehabilitation after the interpretation of investigations if needed 	Overview of Vertigo Differentiation between True rotator vertigo, Dizziness and Unsteadiness Causes of vertigo Diseases Causing Vertigo(BPPV,Ve stibular Neuronitis,Menier e,S Disease)	25
		 3. Diagnose a case presenting with tinnitus on the basis of signs, symptoms and appropriate investigations 4. Suggest thorough management plan Retell medico legal and social aspects of deafness 	Causes of Tinnitus How to investigate and manage a case of Tinnitus Trauma to ear [Traumatic Perforation of TM Haemotympanum/Ossicu lar disruption Otosclerosis Diseases Causing Senso Neural Deafness Presbyacusis Drug Induced Deafness and Acoustic Trauma	

			Psychogenic Deafness Deaf-Mutism in Children Rehabilitation of the Deaf Hearing Aid Cochlear implant
3	Otalgia	 Differentiate between referred otalgia and that arising from local conditions of ear Suggest appropriate treatment after the interpretation of relevant investigations if needed 	Causes and Differential Diagnosis of Otalgia *Eiology/ Pathogenesis, Signs Symptoms, Investigations, treatment Complications Follow-up Boil Otitis Externa Ac Otitis media Herpes Simplex Perichondritis Traumatic conditions of external and middle ears Referred otalgia Barotrauma Complications of CSOM Ca- Middle Ear??
4	Vertigo & Tinnitus	 3. Differentiate between various types of vertigo in relation to its pathophysiology 4. Suggest appropriate treatment including rehabilitation after the interpretation of investigations if needed 5. Diagnose a case presenting 	Overview of Vertigo Differentiation between True rotator vertigo, Dizziness and Unsteadiness Causes of vertigo Diseases Causing Vertigo(BPPV,Vestibular Neuronitis,Meniere,S Disease) Overview of Tinnitus
		with tinnitus on the basis of signs, symptoms and appropriate investigations 6. Suggest thorough management plan	 Causes of Tinnitus How to investigate and manage a case of Tinnitus Acoustic Neuroma

5	Facial	Identify the lesions of facial	Anatomy of Facial Nerve	10
	disfigurement	nerve relating to its etiology	 Electrophysiological Test for Facial Nerve 	
			Differentiation between	
			upper and lower motor	
			Neuron lesion	
			 Causes and work-up in a case of Facial Paralysis 	
			Treatment/ Complications	
			and Follow- up	
			facial nerve palsy	
			(secondary to ear	
			surgery, trauma, bell's palsy and Attic disease),	
			Unsafe chronic otitis	
			media,	
			Fracture Temporal bone	
		Recognize the salient features of	Presentation, features and	
		common tumors of Ear	diagnosis of Basal cell	
			carcinoma of pinna,	
			Squamous cell carcinoma of	
			external and middle ear,	
			Glomus tumor and Acoustic	
Tota	<u> </u> 		neuroma	100
	End Block	End Block Assessment to be take	n by concerned institute itself	
	Assessment		ent tools: MCQs &	
		SAQs/SEQs		

ENT - BLOCK II

Course coordinator- Prof Lt Col Ayub Ahmad Khan Professor ENT

drayubahmadkhan@gmail.com

Cell- 0321-6146101(contact between 1200-1400hrs)

He will be available in his office for any question or query on Mon, Wed and Friday (900-1200hrs)

CODE- Y4B1

Duration: 12 Weeks

By the end of Block-1, the Student will be able to:

S.NO		Theme	Learning Outcomes	Contents
1.	Basic of Nose and Para nasal Sinuses	Revisit the applied anatomy and physiology of nose and Paranasal sinuses	Anatomy of Nose & Para- Nasal Sinuses Basic concepts in clinical anatomy of nose & Para- nasal sinuses Anatomical routes of extensions of disease of nose and PNS into oral cavity, nose, orbit and skull base. Physiology of Nose & Para- Nasal Sinuses Basic concepts in clinical physiology of nose & Para- nasal sinuses Patho-physiology and extensions of diseases of nose and PNS into oral cavity, nose, orbit and skull base	10
2.	Nasal obstructions	 Enlist different causes of unilateral and bilateral obstruction Suggest appropriate plan of investigations and management 	Overview of Nasal Obstruction [unilateral/Bilateral/Adults /Children/Neonate] Diseases causing Obstruction DNS Nasal Polyp [in Children, adults, Elderly] FB Nose Septal Haematoma/Abscess ADENOIDS Obstructive Sleep Apnoea	40

			Congenital abnormalities ChoanalAtresia/Menigocele/E ncephalocele Tumors of Nose [Classification + special Emphasis on Angofibroma, Ca-Maxilla and Ca- Nasopharynx]	
3.	Discharge and Epistaxis	Differentiate between various types of Rhinitis on the basis of signs and symptoms Interpret necessary investigations Suggest symptomatic and curative treatment	Overview of Rhinitis Rhinitis* o Allergic rhinitis o Vasomotor Rhinitis o Infective rhinitis [Viral, Bacterial] o Rhinitis Medica Mentosa o Atrophic Rhinitis o Wegners Granuloma and list of other Granulomatous diseases Etiology of Nasal Allergy Symptoms and signs of Allergic Rhinitis. Examination of patients of Allergic Rhinitis. Investigation of Allergic Rhinitis Symptomatic and curative treatment options	30
		Suggest thorough management plan in case of Epistaxis Suggests measures to control refractory epistaxis	Blood Supply of Nose ☐ Epistaxis ☐ Angiofibroma	

4.	Headache and facial pains	Differentiate between various causes of Facial Pain and Headache on the basis of history and clinical examination Advise necessary investigations if needed Suggest appropriate treatment plan	Overview of Facial Pain and headache Acute and Chronic Sinusitis Patho-physiology of sinus infection Signs and symptoms of sinus disease. Detailed Investigation of sinus infection / how to read a PNS CT scan Medical & Surgical treatment of sinus infection Basics of FESS its indication /procedure/ complications Complications of Sinusitis Common orbital, nasal, oral, dental and intra-cranial complication of Sinus Pathology and its management. Fungal Sinusitis and its management. Atypical facial pains Granulomatous diseases and Tumors Sinus barotrauma	20
Total				100
End Blo	lock Assessment ock Assessment to be to ment tools: MCQs & SA	aken by concerned institute itself AQs/SEQs		

ENT - BLOCK III (THROAT & LARYNX)

CODE: Y4B3

Duration: 10 weeks

Course coordinator- Brig Attique Associate Professor ENT

		Cell- 03005197980(contac	et between 1200-1400hrs)	
H	le will be available is		or query on Tuesday and Thursday (900-12	00hrs)
~	T 4 A	At the end of this block,		Г
S	Theme/Topic	Learning Outcomes	Course Contents	%
No 1	Sore throat and		Acute & Chronic Tonsillitis	40
1.	pain	Managa sauta and	symptoms and signs of Acute and	40
	pun.	☐ Manage acute and chronic tonsillitis	Chronic Tonsillitis ☐ important investigations	
		☐ Identify need of tonsillectomy in a case of chronic tonsillitis	☐ medical and surgical treatment options☐ Indications and technique of	
			tonsillectomy	
		 □ Revisit the applied anatomy and physiology of pharynx □ Manage acute and chronic Pharyngitis 	Acute & Chronic Pharyngitis • Basic anatomy and physiology of pharynx and oesophagus and its clinical importance	
		☐ Manage the common disorders of oral cavity	symptoms, signs, investigations and management of sore throat and recurrent throat infections	
		☐ Suspect a tumor of oropharynx on the basis of signs and symptoms	Common disorders of oral cavity. Basic understanding of the common disorders of oral cavity	
			Tumors of Oro-pharynx • Common sites of tumor of oro-pharynx	
			Symptoms, signs, investigations and management of these tumors	
2.	Dysphagia and Odynophagia	Differentiate between various types of dysphagia basing on its etiology and patho physiology	Dysphagia & Disorders of Oesophagus — □ Normal swallowing mechanism □ Types of dysphagia Causes and patho-physiology of each	30
		Dysphagia & Disorders of Oesophagus –	cause	
		☐ Normal swallowing mechanism☐ Types of dysphagia	Abscesses around Pharynx (Retro-Pharyngeal Abscess & Peri-Tonsiller Abscess ☐ Symptoms of Acute Retero-	

3.	Hoarseness and stridor	Differentiate between different causes of hoarseness and stridor on the basis of signs and symptoms Outline relevant investigations Suggest treatment modalities for hoarseness and stridor	pharyngeal abscess, and possible complications if this condition is not recognized in time Emergency investigations and management of this condition Oropharyngeal tumors Carcinoma Tongue & Oral Cavity CBL symptoms, signs and examination of CA. Tongue emergency investigations and management of this condition Congenital Lesions of Larynx & Stridor Basic differences between anatomy and physiology of larynx of a child as compared to the adult Pathophysiology of congenital lesions of larynx Acute & Chronic Laryngitis CBL: Symptoms, signs and examination of Acute Laryngitis Emergency investigations and management of this condition Laryngeal Paralysis, Voice & Speech Disorders – Patho-physiology of Laryngeal paralysis Patho-physiology of Voice and speech disorders Carcinoma of Larynx – symptoms, signs and examination of a patient suspected to have CA. Larynx emergency investigations and different management plan of this condition	20
4.	Neck masses	Differentiate between different types of neck masses on the basis of signs and symptoms Advise relevant Investigations and management plan	Distribution and drainage area of Neck Lymph Nodes □ D/D of Lateral Neck Masses □ D/D of Lymph Node enlargement in Neck □ Work-up for a suspected Metastatic Lymph Node □ Thyroid gland-	
5.	Advances in ENT/Neck surgeries	Reproduce the basic concept about recent trends in different ENT	Laser Surgery, Cryosurgery, HIV Infection/ AIDS & ENT Managements	10

	End Block Assessment	End Block Assessment Assessment tools: MCC	to be taken by concerned institute itself Qs & SAQs/SEQs	
Total				100
			Radiotherapy / Chemotherapy for Head & Neck Cancers — Basics of Radiotherapy and Chemotherapy in head and neck cancers	
		treatment modalities	 □ Physics and physiology of LASER surgery and Cryosurgery □ Basics of HIV and AIDS infection 	

SCHEDULE OF CLINICAL TRAINING

S. No.	LEARNING OUTCOMES	ACTIVITY
At the end of 8 v	veeks training the student should be able to:	
EAR		
1.	 SPECIAL SKILLS 1. Take history of a patient with Ear pathology 2. Demonstrate the use of Otoscope to aid in examination of the external auditory canal and the tympanic membrane and learn (Use of Seigle's speculum). 	OPD / Ward 1. Video clip of examination of ear. 2. Demonstration of clinical examination of ear.
	 Demonstrate the use of tuning forks and interpret the findings. Demonstrate Syringing of ear. Reproduce steps of recording tympanogram and hearing levels on audiogram. Interpret audiogram and tympanogram Identify all common Ear instruments used in OPD 	3. Practical session of examination of ear 4. Examination of ear on patients 5. Assessment of Hearing 6. Audiogram / Tympanogram, practical demonstration & discussion Instruments Students must be able to identify ear instruments used in ENT OPD
2.	 Perform OT scrub for surgery according to the protocol Reproduce the procedure of the operations, mentioned in column III, including their indications and post-operative care Identify all common Ear instruments used in OT 	1. How to enter the operation theatre. 2. How to behave in OT 3. Steps of washing and preparation for operation 4. Students should observe the following operations 5. Myringotomy 6. I/D of hematoma ear 7. Removal of Foreign body ear 8. Removal of wax 9. Myringoplasty and Mastoidectomy

		10. Abscess incision
		drainage/Hematoma ear
		Instruments
		☐ Students must be shown
		ear instruments used in above
NOGE		mentioned surgeries
NOSE		
1.	Special Skills	OPD / Ward
	 Take history of a patient with nasal pathology Perform basic examination of nose and paranasal sinuses in a stepwise fashion Diagnose a case of Nasal Polypi on the basis of glistening appearance of nasal polypi in anterior rhinoscopy Interpret a simple X-Ray / CT Scan for Sinus, Paranasal Sinus, Nasopharynx and other simple ENT pathologies Identify all common Nasal instruments used in OPD 	 Examination of nose and para nasal sinuses. The steps and logic behind it Video clip of examination of nose and para nasal sinuses. Demonstration of nose and para nasal sinuses Practical session of examination of nose and para nasal sinuses in patients Nasal Polypi – demonstration on patient Simple X-Ray / CT Scan for Sinus, Paranasal Sinus, Nasopharynx and other
2.	 Reproduce the procedure of the operations, mentioned in column III, including their indications and post-operative care Identify all common Nasal instruments used in OT 	simple ENT pathologies OT Students should observe the following operations 1. Septoplasty 2. Anterior nasal packing 3. Sinus lavage 4. Electrocautery 5. SMR, procedure, indications and post-operative care 6. FESS procedure and post-operative care 7. Observation of FESS procedure 8. Epistaxis and its management Instruments Students must be shown instruments used in above mentioned surgeries

Throat & Laryn	x	
1.	Special Skills	OPD / Ward
	 Take history of a patient with throat and laryngeal pathology Perform examination of throat Perform basic examination of larynx in a clinical setting Identify all common instruments used in OPD 	 Clinical examination of throat, the steps and logic behind it Video clip of throat examination. Demonstration of examination of throat Practical session of examination of throat on patients Laryngeal Disorders – Ward demonstration
2.	Reproduce the procedure of the operations, mentioned in column III, including their indications and post-operative care 1. Perform tracheostomy in emergency situations 2. Identify all common instruments used in OT	OT Students should observe the following operations 1. Tracheostomy, procedure, indications and postoperative care Instruments Students must be shown instruments used in above mentioned surgeries
	WARD TEST	

Proposed Academic Calendar - 4th Year MBBS (2021-22)

Wooko	Deteile	Da Da	tes
Weeks	Details	From	То
1 – 5	Start of New Class	22 No	v 2021
1-3	1st Module (5/11 weeks)	22 Nov 2021	23 Dec 2021
6	Winter Vacation (1 week)	24 Dec 2021 (Fri)	02 Jan 2022 (Fri)
7-11	1 st Module (5/11 week)	03 Jan 2022	06 Feb 2022
	1 st Module Exam (1/11 week)	07 Feb 2022	14 Feb 2022
	Special Pathology	07 Feb 20)22 (Mon)
12	Eye)22 (Wed)
	ENT	11 Feb 2	2022 (Fri)
	Community Medicine	14 Feb 20)22 (Mon)
13-15	2 nd Module (3/12 Weeks)	15 Feb 2022	06 Mar 2022
16	Sports Week (Tentative)	07 Mar 2022	13 Mar 2022
	2 nd Module (8/12 Weeks)	14 Mar 2022	05 May 2022
17-24	Pakistan Day (Holiday)	23 Mar 2022 (Wed)	
	Eid ul Fitr (Tentatively)	03-05 May 20	22 (Tue-Thu)
	2 nd Module Exam (1/12 week)	06 May 2022	15 May 2022
	Special Pathology	06 May 2	2022 (Fri)
25	Eye	09 May 20	022 (Mon)
	ENT	11 May 20	022 (Wed)
	Community Medicine	13 May 2	2022 (Fri)
26-30	3 rd Module (5/11 Weeks)	16 May 2022	17 June 2022
31-34	Summer Vacations (4x Weeks)	18 June 2022	17 July 2022
35-39	3 rd Module (5/11 weeks)	18 July 2022	21 Aug 2022
33-39	Ashura (Tentatively)	08-09 Aug 20	22 (Mon-Tue)
	3 rd Module Exam (1/11 week)	22 Aug 2022	29 Aug 2022
	Special Pathology	22 Aug 20)22 (Mon)
40)22 (Wed)
	ENT	26 Aug 2	2022 (Fri)
	Community Medicine	29 Aug 20)22 (Mon)
41			04 Sep 2022
	Pre Annual / Send Up Exam	05 Sep 2022	16 Sep 2022
	Special Pathology	05 Sep 2022 (Mon)	
	Community Medicine	07 Sep 2022 (Wed)	
42-43	Eye	09 Sep 2022 (Fri)	
	ENT	12 Sep 2022 (Mon)	
	OSPE), 15 (Thu), 16 (Fri) 2022
44-46	Prep Leave for Annual Exam (23 days)	17 Sep 2022	09 Oct 2022
	NUMS Annual Exam	10 Oct 202	2 onwards

Clinical Rotation Program

22 Nov 2021 - 12 Dec 2021	ENT						1					
		Past	Dermatology	Medicine / ICU	ENT	- day	#1	OynamObs	harden	ENE	Sup-2	Sups
13 Dec 2021 - 23 Dec 2021	ENE (203)	GynaeObs (2/3)	Psychiatry (23)	EYE (20)	Surp-2 (2/3)	Surp-3 (2/3)	BNT (2/3)	Paeds (2/3)	Dematology (2/3)	Medica (CU (23)	ENT (2/3)	Surp-1 (2/3)
24 Dec 2021 - 02 Jan 2022						Winter Vecable	scations					
03 Jan 2022 - 09 Jan 2022	EYE (1/3)	Gynae/Obs (1/3)	Psychiatry (1/3)	EYE (1/3)	Surg-2 (1/3)	Surp-3 (1/3)	(113) ENT (113)	Pasts (1/3)	Demestogy (1/3)	Medicre / (33)	BAT (1/3)	Sup-1 (1/3)
10 Jan 2022 - 30 Jan 2022	Surpe	ENT	Pands	Demetology	Medicine / ICU	BAT	1-dug	ENE	OyumObs	Psychiatry	SVE	7 tag
31 Jan 2022 - 06 Feb 2022	Surg-1 (1/3)	EYE (1/3)	GynaerObs (1/3)	Psychiatry (1/3)	EYE (1/3)	Surg-Zery (Trauma) (1/3)	Surg-3 (1/3)	(i/3)	Paeds (1/3)	Demetabogy (1/3)	Medicine / ICU (1/3)	ENT (1/3)
07 Feb 2022 - 14 Feb 2022				1st Mov	dule Exam: Sp Patholo	gy - 67 Feb, EYE - 89 Fe	ib, EVT - 11 Feb, Comm	unity Medicine - 14 Fe	-b 2022			
15 Feb 2022 - 27 Feb 2022	Surg-1 (2/3)	ENE (2/3)	GymaeObs (2/3)	Psychiatry (2/3)	ENE (2/3)	Surp-2ery (Trauma) (2/3)	Surp-3 (2/3)	ENT (20)	Paeds (2/3)	Dematchopy (2/3)	Medica (10) (2/3)	ENT (2/3)
28 Feb 2022 - 06 Mar 2022	Surp-2 (1/3)	Surp-3 (1/3)	ENT (1/3)	Paeds (1/3)	Dematology (1/3)	Medicine / ICU (1/3)	Brf (1/3)	Surp-1 (1/3)	EYE (1/3)	Gynae/Obs (1/3)	Psychiatry (1/3)	ENE (1/3)
07 Mar 2022 - 13 Mar 2022						Sports	Week					
14 Mar 2022 - 27 Mar 2022	Surp-2 (2/3)	Surp-3 (2/3)	ENT (2/3)	Paeds (2/3)	Demetology (2/3)	Medicine / ICU (2/3)	ENT (23)	Surp-1 (2/3)	ENE (2/3)	Gynae Obe (2/3)	Psychesy (2/3)	ENE (20)
						Paldetan De	y (Holiday)					
28 Mar 2022 - 17 Apr 2022	ENT	Sup-1	ERE .	GynaeObs	Psychiatry	313	Surp-Zery (Trauma)	Suny-3	Brt	Park	Demetalogy	Medicine / IDJ
18 Apr 2022 - 05 May 2022	343	Sup-2	Surp-3	EM	Paeds	Demelology	Medicine / ICU	BNT	Surp-1	EVE.	Gymagge	Psychiatry
03 - 05 May 2022 (Tentathely)					The second second	Ed ulFib (T	(Amagement)	The same				
06 May 2022 - 15 May 2022				2nd Mox	dule Exam: Sp Patholo	qy - 06 May, Eye - 89 Ma	ry, ENT - 11 May, Comm	nunky Medicine - 13 M.	ey 2022		4	
16 May 2022 - 29 May 2022	Medicine / ICU	BM	Surp-1	26	GynaerObs	Psychiatry	EVE	Sun-2	Sups	BAT	1	Demastology
30 May 2022 - 12 June 2022	Psychiatry	EKE	Sup-2	S-dinS	ENT	Paseds	Dermatology	Medicine / ICU	BAT	Sup-1	ENE	GynaeObs
13 June 2022 - 17 June 2022	Dermatology (1/2)	Medicine / ICU (1/2)	ENT (1/2)	Surg-1 (1/2)	EYE (1/2)	Gynae/Obs (1/2)	Psychiatry (1/2)	EYE (1/2)	Sup-2 (1/2)	(Zi) 5 (IZ)	(וע) פאנ	Paeds (1/2)
2022						Summer V	scations					
18 July 2022 - 24 July 2022	Dermatology (1/2)	Medicine / ICU (1/2)	ENT (1/2)	Surg-1 (1/2)	EYE (1/Z)	GynaelObs (1/2)	Psychiatry (1/2)	EYE (1/2)	Surg-2 (1/2)	Sun-3 (1/2)	ENT (1/2)	Paeds (1/2)
25 July 2022 - 07 Aug 2022	GyraeObs	Psychiatry	SVE EVE	Surp-2	Sup-3	ENT	Paeds	Dematology	Medicine / ICU	ENT	Sup-1	313
08 Aug 2022 - 21 Aug 2022	Pasds	Dermatology	Medicine / ICU	ENT	Surp-1	€NE	Gynae/Obs	Psychiatry	ENE	Sup-2	Sup-3	BNT
08-09 Aug 2022 (Mon-Tue)						Ashursh (T.	entatively)					1 m
22 Aug 2022 - 29 Aug 2022				3rd Mod.	ule Exam: Sp Patholog	ry - 22 Aug. Eye - 24 Au	g, ENT - 26 Aug, Comm	unity Medicine - 29 Au	ng 2022	10.000		
30 Aug 2022 - 04 Sep 2022						Prep Leave for Pre-Ans.	ual / Send Up Exame					100
						Pre-Annual / Sa	nd Up Exame			100		
05 Sep 2022 - 16 Sep 2022					Sp Pathology - 05	Sep, Comm Medicine - Practicals: 13,14,	07 Sep, Eye - 89 Sep, E 15,16 Sep 2022	MT - 12 Sep 2022		7		
17 Sep 2022 - 09 Oct 2022						Prep Leave for.	Annual Exam					
						NUMB Ann	ual Exam					
	15 Feb 2022 - 14 Feb 2022 28 Feb 2022 - 27 Feb 2022 28 Feb 2022 - 27 Feb 2022 29 May 2022 - 13 May 2022 20 May 2022 - 13 May 2022 20 May 2022 - 14 May 2022 20 May 2022 - 15 May 2022 20 May 2022 - 15 May 2022 20 May 2022 - 15 May 2022 21 May 2022 - 17 May 2022 22 May 2022 - 17 May 2022 23 May 2022 - 17 May 2022 24 May 2022 - 17 May 2022 25 May 2022 - 17 May 2022 26 May 2022 - 18 May 2022 27 May 27 Ma		2 Surp 1 (07) 2 Surp 2 (10) 2 Surp 2 (10) 2 Surp 2 (10) 2 Surp 2 (10) 2 Surp 3 (10) 2 Surp 4 (10) 2 Demaskip (10) 2 Demaskip (10) 2 Demaskip (10) 3 Pasts	2 Surp1(07) ErE (0.7) 2 Surp2(107) Surp3 (107) 2 Surp2 (107) Surp3 (107) 2 Surp3 (107) Surp3 (107) 2 Lett Surp1 2 Paychiery ErE Surp1 2 Dermackopy (107) Macdre (10.) (107) 2 Dermackopy (107) Macdre (10.) (107) 3 Pasts Dermackopy (107) Macdre (10.) (107) 4 Pasts Dermackopy (107) Macdre	2 Samp2 (CG) Samp3 (CG) OyumChit (CD) Preside (CG) Samp2 (CG) Samp3 (CG) Samp4 (CG) Samp	2 Samp2 (CG) Samp3 (CG) OyumChit (CD) Preside (CG) Samp2 (CG) Samp3 (CG) Samp4 (CG) Samp	2 Samp2 (CG) Samp3 (CG) OyumChit (CD) Preside (CG) Samp2 (CG) Samp3 (CG) Samp4 (CG) Samp	2 Samp2 (CG) Samp3 (CG) OyumChit (CD) Preside (CG) Samp2 (CG) Samp3 (CG) Samp4 (CG) Samp	1	1-16 March 1-16 May 1-16 Ma	Supple Control Contr	Sept Columba Ever (Columba Ever (Columba Ever Ever

Reading Material:

S. No	Topic	Resource
1.	Basics of Hearing and	Appendex-1(Attached)
	Balance	Youtube Video
		https://www.youtube.com/watch?v=3G5jiXl2LSM
2.	Ear Discharge and Deafness	 https://www.slideshare.net/DennisLee14/ear-discharge-and-otalgia-58522286?qid=229e390a-0885-4d59-a0a5-875e5d85bda1&v=&b=&from_search=2 Diseases of Ear Nose and Throat by PL Dhingra4th Edition Publisher Elsevier Page 22-29, 48-89, 103-109, 110-112.
3.	Otalgia	 https://www.slideshare.net/DennisLee14/ear-discharge-and-otalgia-58522286?qid=229e390a-0885-4d59-a0a5-875e5d85bda1&v=&b=&from_search=2 Diseases of Ear Nose and Throat by PL Dhingra4th Edition Publisher Elsevier Page48-89, 103-109, 124-125
4.	Vertigo	 https://www.youtube.com/watch?v=1AfvNsaQnTE https://www.youtube.com/watch?v=jBzID5nVQjk Diseases of Ear Nose and Throat by PL Dhingra, 4th Edition Publisher Elsevier Page 99-103, 110-112
5.	Tinnitus	 https://www.youtube.com/watch?v=yMigvtQMIeA Diseases of Ear Nose and Throat by PL Dhingra, 4th Edition Publisher Elsevier Page
6.	Facial Disfigurement	https://www.slideshare.net/Amro1988/facial-nerve-paralysis-common-causes?qid=bdfd436a-1f10-4772-aaa0-93e1348173e0&v=&b=&from_search=1 https://www.youtube.com/watch?v=qoE3Mp07tWI Diseases of Ear Nose and Throat by PL Dhingra4th Edition Publisher Elsevier Page 90-98, 171-178
7.	Tumours of the Ear	 https://www.youtube.com/watch?v=z92B-fiUbnE https://www.youtube.com/watch?v=u_h9O4BRbMg https://www.slideshare.net/Anwaaar/glomus-tumours-pakistan?qid=e15818de-b492-4d9d-bb0b-354411117d37&v=&b=&from_search=5 https://www.slideshare.net/Anwaaar/tumours-of-ear?qid=e862e755-f592-4c5c-8461-4092588de37d&v=&b=&from_search=1

Reading Material:

S. No	Topic	Resource
1	Basic of Nose and Para nasal	1.Diseases of EAR, NOSE and THROAT and HEAD
	Sinuses	and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 23 page
		134-139, chapter 35 pg 187-190.
		2. Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 24,pg 140-
		142,chapter 35 pg 190.
		3. Diseases of EAR, NOSE and THROAT and HEAD
		and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 26,pg 127
		4. Diseases of EAR, NOSE and THROAT and HEAD
		and NECK surgery by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 25,pg 143-146,chapter 26.pg 147-151
		1 10,01apter 20.pg 1 17 13 1
2	Nasal obstructions	Diseases of EAR, NOSE and THROAT and HEAD
		and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 26 pg 148-
		150,chapter 32 pg 172-175,chapter 29 pg 161,chapter 48 pg 243-244,chapter 55 pg 276-
		279, chapter 29 pg 163, chapter 39 pg 202-204
3	Discharge and Epistaxis	Diseases of EAR, NOSE and THROAT and HEAD
_		and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier ,chapter 27 pg 154-
		157, chapter 30 pg 166-169, chapter 31 pg 170-
4	Handaaha and fasial mains	171, chapter 28 pg 159-160, chapter 33 pg 176-180.
4	Headache and facial pains	1. Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery_by PL Dhingra, Shruti Dhingra
		6 th edition publisher Elsevier chapter 36 pg 191-
		194,chapter 37 pg 195-197,chapter 38 pg 198-
		201,chapter 39,40,41 pg 202-213
		2. Youtube video link
		https://www.youtube.com/watch?v=mLeq2f-3GbU

<u>5</u>	Sore throat and pain	Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery_by PL Dhingra, Shruti Dhingra 6 th edition publisher Elsevier chapter 51 pg 257-262, chapter 50 chapter 254-256,chapter 47 pg 238-242,chapter 42&43 pg 216-222,chapter 44,45 &46 pg 223-237.chapter 53 pg 269-272.
<u>6</u>	Dysphagia and Odynophagia	Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery by PL Dhingra, Shruti Dhingra 6 th edition publisher Elsevier chapter 68&69 pg 342-348.chapter 67 pg 340-341
7	Hoarseness and Stridor	Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery_by PL Dhingra, Shruti Dhingra 6 th edition publisher Elsevier chapter 56-62
8	Neck masses	Diseases of EAR, NOSE and THROAT and HEAD and NECK surgery_by PL Dhingra, Shruti Dhingra 6 th edition publisher Elsevier Chapter 52
9	Advances in ENT/Neck surgeries	https://www.slideshare.net/ksreenivask77/recent-advances-in-ent-frmi-contact-endoscopy-pet-scan-and-immmunotherapy?qid=70b96ae3-eb5a-4ed5-85ca-eab2704e0f56&v=&b=&from_search=1