

# AMNA INAYAT MEDICAL COLLEGE



**AIMC-MBBS  
OTORHINOLARYNGOLOGY CURRICULUM  
(PMDU/UHS)  
&  
ACADEMIC PLANNER  
2018/19**

**Department of ENT, Amna Inayat Medical College**

# DEPARTMENT OF ENT

## INTRODUCTION:

Department of ENT at AIMC'S is an established unit since the college started. It trains MBBS undergraduates' students and delivers health care services to patients reporting to attached teaching hospitals.

The department has teaching faculty of a professor and assistant professors. The faculty is involved in training of 3<sup>rd</sup> year and 4<sup>th</sup> year MBBS students in the subject of ENT according to college timetable. The teaching schedule and timetable is in accordance with PMDC and UHS regulations.

The ENT Unit consists of 20 bedded, 10 each fixed for male and female patients and is equipped with outpatient facilities. A well equipped operation theater is available for delivering surgical facilities. The ENT department delivers health care facilities to patients round the clock.

The unit is recognized by PMDC and UHS in the subject of ENT.

# CONTENTS

- INTRODUCTION
- AIMS AND OBJECTIVES
- LESSON PLANNER AND BLOOM'S TAXONOMY
- DETAILS OF SYLLABUS
- TEACHING METHODOLOGY
- EVALUATION METHODOLOGY
- ASSESSMENT & EVALUATION
- UNIVERSITY EXAMINATION
- STUDENTS FEEDBACK

## **AIMS AND OBJECTIVES**

Curriculum for teaching and training program is designed to make a student aware of common ENT diseases. At the end of Calendar Year students should be able to pickup and manage common ENT diseases and treat them.

He should identify complicated cases and refer them to concern departments.

The student is trained to develop medical ethics in spirit for team work and develop doctor-patient relationship. The students are also trained in history taking and communicating with the patient in larger interest of framing the treatment policy.

The students are disciplined to maintain the dignity of the profession and the ability to compete the others students at national & international level.

# FACULTY

<b>S no</b>	<b>Name</b>	<b>Designation</b>
1	Prof Dr Azhar Hameed	HOD/Prof
2	Dr.Jawad Ahmad	Associate Prof
3	Dr. Khuda Buksh Malkera	Consultant
4	Dr. Beenish	HO

# **BLOOM'S TAXNOMY**

**(FOR LEARNING & ASSESSMENT)**

## **A. COGNITIVE DOMAIN**

1. Knowledge
2. Comprehension
3. Application
4. Analysis
5. Evaluation

## **B. EFFECTIVE DOMAIN**

1. Receiving
2. Response
3. Valuing
4. Organization
5. Characterization

## **C. PSYCHOMOTOR DOMAIN**

1. Skills
2. Attitudes
3. Perceptual Abilities
4. Fundamental Movements
5. Flex Movements

## SEMESTER PLANNER

CLASS	TITLE	LECTURE	HOURS	TEACHER
3 <sup>rd</sup> Year	Otology	24	18	Assistant Professor/Professor
3 <sup>rd</sup> Year	Otology	Clinical Training OPD	240	Assistant Professor/Professor
4th Year	Nose & Paranasal Sinuses Pharynx Laryngology Oesophagology	64 Clinical Training OPD	48 300	Professor/Assistant Professor
Total Teaching Hours			600	
<b>Grand Total</b>			<b>600</b>	Professor/Assistant Professor

## **ASSESSMENT & EVALUATION**

### **FIRST TERM**

- A. Theory
  - B. Clinical
- The assessment of under the end of each term.

### **SECOND TERM**

- A. Theory
  - B. Clinical
- The assessment of under the end of each term.

### **THIRD TERM**

- A. Theory
  - B. Clinical
- The assessment of under the end of each term

### **SEND UP**

At the close of the session .



## INTERNAL EVALUATION

<b>TERM</b>	<b>MARKS</b>	<b>TOTAL</b>	<b>SCORE</b>	<b>PERCENTAGE</b>
First Term	100	100		10%
Second Term	100	100		10%
Third Term	100	100		10%
Send UP	100	100		10%

Note: 10% of theoretical & Clinical assessment along with attendance is submitted as internal assessment

## **TEACHING METHODOLOGY/LEARNING STRATEGIES**

- 1. LECTURES**
- 2. GROUP DISCUSSION/SEMINARS**
- 3. OUT PATIENTS CLINICAL TRAINING**
- 4. CLINIC PATHOLOGICAL MEETINGS**
- 5. DISTANT LEARNING**
- 6. JOURNALS AND LIBRARY MATERIALS**
- 7. INFORMATION TECHNOLOGY**

# CURRICULUM

The college and the department follow the curriculum adopted and notified by UHS and PMDC.

The curriculum is subject to changes as made by PMDC and UHS from time to time

General Learning Outcomes of the Ophthalmology Course: To equip them with essential knowledge, skills and attitude to enable them to:

Identify ENT diseases including emergencies, provide primary health care, refer to appropriate center and provide follow-up to the patients.

Perform essential minor ENT procedures.

Communicate effectively with the patient, the family and the community regarding disease and its relevant issues.

Understand medical ethics and its application pertaining to ENT and maintain the confidentiality of the patient.

To understand the prevalence and prevention of the common Public Health Problem related to ENT in the community

Understand the principles of medical research including fundamentals of Information Technology

## **INSTRUCTIONAL STRATEGY**

**METHODOLOGY** - Problem-based Learning –

Tutorials/ Practical sessions/Skills Lab practice –

Clinical rotations and ward visits –

Lectures/Seminars/CPC's – using modern audio visual techniques,

Distant learning using electronic devices and current Information Technology facilities. COURSE

## **LECTURES**

Following topics are discussed in detail by the faculty members in the lectures and clinical rotations during whole academic year.

### **NOSE:**

Anatomy and physiology

History taking and examination

Diseases of external nose

Congenital lesions, choanal atresia, meningocele, encephalocele, trauma, cut nose, fractures, external deformities.

Diseases of septum Epistaxis DNS Haematoma Septal abscess Perforation

Rhinitis Allergic Atrophic Hyper-trophic V.M.R.

Polyps Mucous Ethmoidal Antrochoanal Bleeding polypus

Foreign body nose Rhinolith Maggots

Sinusitis Acute sinusitis Chronic sinusitis, complications

Fungal infection of nose and paranasal sinuses CSF rhinorhea

Tumours Basal cell carcinoma Squamous cell carcinoma Pappiloma Osteoma

Headache and its ENT causes

## **BUCCAL CAVITY, ORAL CAVITY**

Anatomy and physiology

History and examination

ORAL CAVITY ULCERS: Traumatic Aphthus, Vincents angina Agranulocytic Tuberculous

Maligant uclers Thrush Leukoplakia Behcet's disease

Ulcerative lesions of oral cavity

## **OROPHARYNX**

Acute tonsillitis Chronic tonsillitis Peri tonsillitis and abscess Diphtheria Differential

diagnosis of white patch on the tonsil Tonsil/oral cavity

Tumours of tonsil

Retro-pharyngeal abscess

Pharyngeal abscess acute/chronic

Sleep apnea syndrome AIDS Ludwig's angina

## **LARYNX**

Anatomy Physiology

History Examination

Glottic stenosis/laryngocoele Laryngomalacia Trauma,

Foreign Body & Infections of Larynx

**Supraglottis** Acute laryngitis Laryngotracheobronchitis Diphtheria

Chronic laryngitis Tuberculosis Syphilis Leprosy

Non specific chronic laryngitis

Vocal nodules

Vocal cord paralysis Functional aphonia

Tumours Papilloma larynx Polyp Carcinoma larynx TNM classification Tracheostomy

Indications Contra indications Complication Operation steps Post op care

## **HEAD & NECK**

Cleft palate Hare lip Thyroglossal cyst / sinus Pre auricular cyst / sinus

D/D of mass neck

Lesions of salivary glands

## **EAR**

Anatomy and physiology

History and examination

Tuning fork tests.

Pure tone audiometry/impedance audiometry

Pre auricular sinus

Deafness

Pain in the ear

### **External ear**

Perichondritis

Trauma to pinna/haematoma Wax ear

Foreign body ear Hyperostosis Neoplasia Boil ear Fungus

Acute diffuse otitis externa Malignant otitis externa Myringitis bullosa

Traumatic rupture



## **Middle ear**

Acute otitis media   Acute necrotising otitis media

Serous otitis media

Chronic otitis media   i Tubo tympanic   ii Mucosal disease   iii Attico antral

Complications Of Otitis Media / Mastoiditis

Oto toxicity   Acoustic trauma   Trumatic perforation of tympanic membrane.

Deaf child

Speech therapy

Oto sclerosis

Vertigo

Meniere's disease

Facial nerve paralysis

Eustachean tube dysfunction

## **PRACTICAL SKILLS:**

By the end of the clerkship in the department of ENT, the student should be able to:

Obtain an appropriate history.

Perform a complete regional examination

Identify common E.N.T. Head & Neck problems for a given patient and outline appropriate management plans.

Identify problems needing referral to an Otolaryngologist. GENERAL SKILLS. The students should be able to:

Demonstrate the use of the head mirror for adequate illumination of the nasal cavity

Examine the oropharynx and the neck

Examine Larynx by indirect laryngoscopy

Examination of postnasal space by posterior rhinoscopy.

## **SPECIAL SKILLS:**

Use the tongue blade to aid inspection of the buccal/cavity. Use the finger palpation examination of the oral cavity and tongue Palpate the neck to assess the lymph-nodes and salivary glands in the neck. Examination of cranial nerves Identify structures (of the neck, sinuses and ear) on X-ray (MRI, CT Scan) Demonstrate the appropriate use of nasal speculum Demonstrate the use of otoscope to aid in examination of the external auditory canal and the tympanic membrane. Learn pneumatic otoscopy. (Use of Seigle's speculum) Demonstrate the use of tuning fork and interpret the findings Interpret pure tone and speech audiometry Syringing of ear. Removal of wax from ear Anterior nasal packing

Observe the Following Operations and the Use Of the Listed Instruments Abscess incision drainage/ haematoma Reduction of fracture nose Septal correction surgery Antral wash out Caldwell Luc's operation Introduction To New Procedures Nasal packing (anterior) Tracheostomy Laryngotomy Management of obstructed airway Foreign body in tracheo-bronchial tree and Larynx

## Ear operations Instruments

Ear instruments like myringotome and ear speculum Walsham's Forceps Ashe's Forceps  
Trocar and Cannula Nasal Speculum Freer elevator Suction Tube Luc's forceps Tilly  
Nasal Dressing Forceps Bayonet Nasal Forces Myle's Retrograde Perforator. Nasal Snare  
Balenger Swivel Knife Eustachean Catheter Sinus forceps Endotracheal tube, cuffed, non-  
cuffed McGill forceps Tracheostomy tubes Tracheal dilator Retractors Creoid hook  
Endoscopes Laryngoscopes Bronchoscopes Oesophagoscopes Nasopharyngoscope  
(Rigid/flexible) Adenoid curette Boyle Davis mouth gag Tonsil holding forceps Tonsilar  
artety forceps Tonsil snare Knot pusher

## **RECOMMENDED BOOKS**

1. Text book of ENT by Logan Turner. Latest Ed.
2. Diseases of ENT by Dhengra. Latest Ed.
3. Text Book of ENT by Masud.
4. Oxford Hand Book of ENT by Prescott.
5. Online Journals and Reading Materials through HEC Digital Library Facility.

## **UNIVERSITY EXAMINATION**

University examination will be held at the end of the session as scheduled in the UHS calendar.

### **ELIGIBILITY**

A student who fulfills the requirement laid by the university will be sent for examination to UHS.

<b>FORMAT</b>	<b>Marks</b>
<b>Theory and written examinations</b>	
SEQ's	45
MCCQ's	45
<b>TOTAL</b>	<b>90</b>

### **CLINICAL EXAMINATION**

The clinical examination will be conducted in OSCE format

	<b>Marks</b>
	90
<b>THE ORAL EXAMINATION WILL BE PART OF OSCE</b>	<b>Marks</b>
Grand Total	180
Internal Evaluation	20
<b>Grand Total</b>	<b>200</b>

**NOTE:** the students who attain 50% of the mark in each component will be declared successful. Each component has to be passed separately by scoring 50% of the Marks

## **STUDENTS FEEDBACK**

The students can submit their feedback on the prescribed form as provided by the University of Health Sciences or by PMDC in order to improve further the continuous process of medical education and evaluation

**Professor AZHAR Hameed**

**Dr. Jawad Ahmad**

**Dr. Khuda Buksh Malkera**

**DEPARTMENT OF ENT AIMC**

**THE END**