



Department of Ear Nose & Throat
STUDY GUIDE
MBBS YEAR IV
2020-2021



BAQAI MEDICAL COLLEGE
BAQAI MEDICAL UNIVERSITY

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VISION & MISSION

Baqai Medical University Vision Statement:

Baqai Medical University is a community based and community-oriented center of excellence striving to mold students to become competent and caring health professionals, groomed to be social leaders capable of improving health, education and socioeconomic well-being locally, nationally and globally.

Baqai Medical University Mission Statement:

The mission of Baqai Medical College is to be recognized as a center of excellence in education, research, patient care and community services by producing highly capable and knowledgeable professionals.

Baqai Medical College Vision Statement:

Our vision is to enhance the access and excellence in medical education and research, with the aim of capacity building of students and faculty through innovations, and science and technology competencies, to achieve rapid and sustainable health. The medical graduate thus produced will be informed and trained enough to serve the community better, and to be advisor to the national and international health organizations.

Baqai Medical College Mission Statement:

The mission of the Baqai medical college is to produce medical graduates, who are accomplished individuals and have skills for problem solving, clinical judgment, research & leadership for medical practice at the international level and are also aware of the health problems of the less privileged rural and urban population of Pakistan.

Outcomes of the MBBS Program

By the end of five years MBBS program, The Baqai Medical College graduate will be able to:

- Write and report Focused history, perform physical examination, formulate a diagnosis and management plan for common health problems.
- Utilize knowledge of basic and clinical sciences for patient care.
- Apply evidence-based practices for protecting, maintaining and promoting the health of individuals, families and community.
- Identify problems, critically review literature, conduct research and disseminate knowledge
- Lead other team members as per situational needs for quality health service.
- Acquire professional behaviours that embodies lifelong learning, altruism, empathy and cultural sensitivity in provision health care service.

POLICIES AND PROCEDURES

Code of Conduct and Maintenance of Discipline of Students Regulations
Under section 25(e) BMU Act.1996

All University students shall be under the full disciplinary control of the University. No students shall be allowed to participate in politics. The action against the act of indiscipline shall include fines, debarring from attending class and cancellation of admission, depending on the gravity of indiscipline.

The following shall constitute acts of indiscipline for which action may be taken against the student or students:

- (a) Breach of any rule public morals, such as:
 - Use of indecent or filthy language;
 - Use of immodest dress;
 - Use of undesirable remarks or gestures; and
 - Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- (b) Defiance of authority
- (c) Action, defamatory of and derogatory to Islam
- (d) Immorality
- (e) Being found under the effect of an intoxicant or misuse of drugs including marijuana, LSD dope and other opioids.
- (f) False personation or giving false information or willful suppression of information, cheating or deceiving.
- (g) Inciting or staging a walk-out, a strike or an unauthorized procession.

- (h) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- (i) Visiting without a pass places which are not to be visited without a pass.
- (j) Visiting places declared out of bounds for students

Every student must carry his / her Identity Card which will be open to examination and will be demanded at the time of entrance to the various University Faculties and functions.

No. student will be admitted to the facilities of the library, transport or the canteen unless he /she is in possession of the Identity Card

TEACHING FACULTY

S. N O	NAME	DESIGNATION	PMD C REG. NO.	EXPERIENCE
1.	Dr. Shaheen Iqbal Malik FCPS	Professor	10844-S	16 Years
2.	Dr. Muhammad Khalid FCPS	Assistant Professor	13339-S	3.5 Years
3.	Dr. Mohammad Ahsan Khan MBBS	Registrar	6562-S	16 Years

S. N O	NAME	Contact Information
1.	Dr. Shaheen Iqbal Malik FCPS	
2.	Dr. Muhammad Khalid FCPS	
3.	Dr. Mohammad Ahsan Khan MBBS	

LIST OF NON-TEACHING STAFF

1. Mr.AftabAli ComputerOperator
2. Mr.AbdulSattar General DutyAssistant
3. Mr.MuradBuksh General DutyAssistant

DEPARTMENTAL STAFFING PLANS:

FACULTY MEMBERS

Dr Shaheen Iqbal Mallik (Professor and Head of Department)

- a. Supervision of IIIrd Year and IVth year MBBS academic activities
- b. Lectures of IVth year MBBS students (see lecture schedule for details)
- c. Preparation of internal and external evaluation exams
- d. Coordination with Dean and Principal regarding academic activities
- e. Out Patient clinic once weekly (Tuesday) and Saturday on rotation
- f. Operating Day in OR once weekly on Wednesday

Dr Muhammad Khalid (Assistant Professor)

- a. IVth Year MBBS academic activities including lectures, clinical teaching in ward and internal evaluation.
- b. Out-patient clinic on Monday and Wednesday every week and Saturday on rotation basis
- c. Video Laryngopharyngoscopy on Monday and Wednesday
- d. Operating day on Friday

Dr Mohammad Ehsan Khan (Specialty Registrar)

- a. Daily outpatient clinics (Monday to Friday and Saturday alternate)
- b. Assistance in clinical teaching and Examination conduction

NON-MEDICALSTAFF

Mr. Aftab Ali (ComputerOperator)

- a) Assistance in preparation and conduction of IVth weeklylectures
- b) Maintenance of records of IVth year and IIIrd year internal and externalevaluation.
- c) Assistance in writing and submission of scientificarticles

Mr. Abdul Sattar (General Duty Assistant)

- a) Management of patients in out patientclinics
- b) Taking care of Endoscopyroom

Mr. Murad Buksh(General Duty Assistant)

- a) Supervision of cleaning of ENT department and out-patientclinics
- b) Cleaning and sterilization of OPDinstruments

SCHEDULE OF LECTURES AND CLINICAL TRAINING

One per week

LEARNING OBJECTIVES OF NOSE & PARANASAL SINUS

After the end of lecture on anatomy and physiology of nose and paranasal sinuses, the student should be able to:

1. Describe the various anatomical land marks and different important structures of nose and paranasal sinuses and there histology.
2. Describe normal physiological functions of different part of nasal frame work.

By the end of lecture on rhinitis and nasal allergy, the students should be able to:

1. Discuss the causes and pathological process of the disease and its clinical features.
2. Explain various treatment options.
3. Discuss the preventive measures for the control of the disease.

By the end of the lecture on Epistaxis and nasal polyps and paranasal sinuses, the students should be able to:

1. Discuss the Etiology and clinical features of these disease.
2. Select various investigations require to Diagnose these Disease.
3. Discuss the treatment options to control thesedisease.

REGION	TOPIC	EXPECTED TEACHER
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NOSE	<p>Anatomy & Physiology</p> <p>Diseases of the external nose</p> <p>Vestibulitis</p> <p>Trauma Foreign Body</p> <p>Septal hematoma/Abscess</p> <p>Nasal cavity</p> <p>Rhinitis (acute, chronic & allergic)</p> <p>Epistaxis DNS</p> <p>Polyps (Ethmoidal, antrochoanal)</p> <p>Tumors (Nose & PNS)</p>	Asst Prof. Mohammad Khalid
PARANASAL SINUSES	<p>Anatomy & Physiology Acute & Chronic Sinusitis Clinical Features</p> <p>Management including minor procedures (Caldwell Luc Operation) Tumors (Nose & PNS)</p>	Asst Prof. Mohammad Khalid

LEARNING OBJECTIVES OF LARYNX

By the end of lectures on larynx, oesophagus and tracheobroncheal tree, the student should be able to:

1. Discuss the causes of hoarseness and dysphagia and basic pathologies of larynx and their management.
2. Discuss various breathing disorder, stridor and its causes and management.
3. Discuss various common inflammatory condition of larynx, there clinical features and preventive measures and treatmentoptions.

REGION	TOPIC	EXPECTED TEACHER
LARYNX	Anatomy & Physiology Foreign Body Acute laryngitis/laryngeal edema Chronic laryngitis Causes of Hoarseness Vocal Cord Paralysis Tumors of Larynx	Prof. Shaheen Iqbal Malik
TRACHEO- RONCHIAL	Anatomy & Physiology Foreign Body/tracheostomy/ Bronchoscopy	Prof. Shaheen Iqbal Malik
OESOPHAGUS	Anatomy & Physiology Foreign Body/Oesophagoscopy Dysphagia Tumor	Prof. Shaheen Iqbal Malik

LEARNING OBJECTIVES OF EAR

By the end of lectures on Ear, student should be able to:

1. Discuss clinical anatomy and functions of ear and various basic pathologies of external ear like Foreign bodies and wax and Otitis externa, its various types and their management.
2. Enumerate the causes of deafness and how to prevent it.
3. Describe various important clinical landmarks and normal anatomical feature of middle ear cavity.
4. Explain normal physiology of hearing.

By the end of the lecture on Otitis media and its management, the student should be able to:

1. Discuss the causes, clinical features, investigation and treatment options of different types of Otitis media and its complications.
2. Explain various causes of deafness and its preventive measure.

By the end of lecture on inner ear the student should be able to:

1. Describe normal anatomy and function of labyrinth and also the disease labyrinthitis, its types and clinical features and various treatment options to control this disease.
2. Discuss the Physiology of balance.

REGION	TOPIC	EXPECTED TEACHER
EAR	Anatomy & Physiology Diseases of the external ear Trauma Foreign Body Otitis externa Diseases of the middle ear Acute otitis media/acute suppurative otitis media Secretory otitis media (acute & chronic) Chronic suppurative otitis media (tubotympanic, attic and attic) Complication of chronic suppurative otitis media Miscellaneous diseases (Otosclerosis, conductive deafness & tinnitus) Inner ear Miniere's diseases & Facial Nerve Vertigo Sensorineural deafness Nose induced deafness Deaf Child (REHABILITATION)	Dr. Khalid

LEARNING OBJECTIVES OF THROAT AND NECK

By the end of lecture on throat oral cavity and neck, the student must be able to:

1. Discuss diagnosis and differential diagnosis of sore throat, acute and chronic tonsillitis, mouth ulcers.

By the end of lecture on tumors of oral cavity the student should be able to:

1. Discuss various common benign and malignant tumor of oral cavity, their etiological factors, clinical features and investigation to Diagnose them.
2. Outline various modes of treatment of these tumors and preventive measure to control them.

By the end of lecture of on neck the student should be able to:

1. Explain the normal anatomy of various important structures situated in the neck.
2. Describe the pathology of different tumors specific for thyroid and neck swelling and their management options.

REGION	TOPIC	EXPECTED TEACHER
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<p>THROAT</p>	<p>Anatomy & Physiology Trauma/Foreign Body/Ulcer Acute Pharyngitis Adenoiditis, Diphtheria, Vincent Angina</p> <p>Chronic Tonsillitis Chronic Pharyngitis Chronic Adenoiditis Tonsillectomy Adenoidectomy</p> <p>Abscess Peritonsillar Retropharyngeal, Parapharyngeal Tumor of Pharynx Disease of Salivary Glands Particularly Calculi</p>	<p>Dr. Khalid</p>
<p>NECK</p>	<p>Anatomy & Physiology</p> <p>Swellings Abscess including Pharyngeal ones</p> <p>Tumours Common operations of ENT</p>	<p>Prof Shaheen Iqbal Mallik</p>

THE CLINICAL TEACHING SCHEDULE MBBS

Every clinical batch of Fourth Year MBBS is attached with ENT Department for clinical teaching for a duration of four weeks. The teaching program involves intensive teaching in the clinics & tutorials from 10:30am to 12:45pm and has been planned as follows.

Five Days a week from,

Teaching Clinics are being conducted by, Prof. Shaheen Iqbal Malik and Dr. Mohammad Khalid.

LEARNING OBJECTIVES OF CLINICAL POSTING

By the end of clinical rotation posting the student should:

1. Demonstrate the ability to take E.N.T history, perform clinical examination of various ENT regions and diagnosis of basic ENT diseases like otitis media, DNS, Nasal, Polyps, Acute and Ch. Tonsillitis, pharyngitis, mouth ulcers and tumors of oral cavity and nose, & their treatment, both surgical and medical.
2. Recognize different instruments used in examination and basic ENT surgical procedures.
3. Be aware of precautions of scrubbing.
4. Discuss various steps of different common ENT surgical procedures like tonsillectomy and septoplasty aural toilet and I & D of Neck and mastoid abscesses.

ENT, HEAD & NECK SURGERY DEPARTMENT CLINICAL TEACHING
SCHEDULE

Date	Day	First Half	Second Half
		INTRODUCTION (ENT) HISTORY TAKING.	OPD
		HISTORY TAKING	EXAMINATION OF NOSE
		ANATOMY & PHYSIOLOGY OF NOSE	EXAMINATION OF NOSE
		SYMPTOMATOLOGY & DISEASES OF NOSE. EXAMINATION OF NOSE.	DNS/ TRAUMA CLINICAL EXAMINATION
		HISTORY & EXAMINATION OF NOSE. (OPD)	NASAL POLYPS+ EPISTAXIS RHINITIS
		ANATOMY & PHYSIOLOGY OF EAR (HEARING & BALANCE)	HISTORY TAKING & EXAMINATION OF EAR (OPD)
		CLINICAL EXAMINATION (EAR)	DISEASES OF EXTERNAL EAR
		CLINICAL EXAMINATION (EAR)	DISEASES OF MIDDLE EAR

		HISTORY/ CLINICAL EXAMINATION (EAR)	DISEASES OF MIDDLE EAR CAVITY. OTOSCLEROSIS DIFFERENTIAL DIAGNOSES OF HEARING IMPAIRMENT
		DISEASES OF INTERNAL EAR	LABIRYNTHITIS
		ANATOMY & PHYSIOLOGY OF ORAL CAVITY	EXAMINATION OF ORAL CAVITY (OPD)
		OFF DAY	
		DISEASES OF ORAL CAVITY	DISEASES OF ORAL CAVITY (TONSILLITIS/ PHARYNGITIS, ORAL ULCERS)
		ANATOMY & EXAMINATION OF NECK/ LARYNX	PHYSIOLOGY OF VOICE PRODUCTION DISORDERS OF VOICE
		DISEASES OF LARYNX	DISEASES OF NECK
		OPERATION PROTOCOL	INTRODUCTION TO SURGERY. REVISION EXAMINATION
		INTRODUCTION TO SURGERY DIFFERENT SURGICAL PROCEDURES	TONSILLITIS SEPTOPLASTY MASTOIDECTOMY
		OPERATION THEATRE WITH DRESS	

		Revision Examination of ENT	PRACTICE EXAMINATION OF EAR , NOSE & THROAT
		OPERATION THEATRE WITH DRESS	
		DISEASES OF EAR	OTOSCLAROSIS/ MENIER'S DISEASE
		DISEASES OF NOSE/ THROAT	NASEL POLYPS/ INFECTIVE CONDITIONS OF NOSE
		(WARD TEST)	(WARD TEST)

THE TUTORIALS SCHEDULE

There will be a presentation of a clinical subject twice weekly by a group of students under the tutelage of full faculty. During the whole month of clinical attachment the total no. of tutorials likely to be conducted are approximately 8 to 10.

Tutorial from 01:00pm to 03:00pm has been planned as follow

1. Monday	01:00pm	03:00pm
2. Tuesday	01:00pm	03:00pm

LEARNING OBJECTIVES

By the end of each tutorial the presenter should be able to:

1. Present power point presentation.
2. Discuss the presented clinical disease in all respects likes definition, causes, clinical features, investigations and treatment of that disease.

OPERATION THEATER

Twice weekly under tutelage of Professor Shaheen IqbalMalik as under,

Wednesday	Prof. Shaheen IqbalMalik Dr. Mohammad Khalid
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Friday	Prof. Shaheen IqbalMalik
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LEARNING OBJECTIVES

By the end of each. O.T the students should be able to:

1. Discuss the steps of operation recognize the instrument used in the procedure, and indications, contraindications and complications of the operation.

TEACHING HOURS

Lectures:

As per schedule provided by the administration:

Once a week	45 min: Duration
$35 \times 45 = 1575 \text{ min}$	35 – 37 lectures per year
26 hours	

Clinical Posting:

As per schedule provided by the administration:

10:15 am to 01:00 pm (2 hours -
45 mins) 5 days/week
 $2 - 45 \times 5 = 825 \text{ mins per week}$
 $825 \times 4 = 3300 \text{ mins per}$
month 55 hours

Tutorials:

Twice a week
01:30 pm to
03:30 pm 4 hours
per week
 4×4
16 hours per month

Lectures 26 hours per
year Clinics 55

Tutorial 16

- Total hours

97hours

2 classes in 2nd year (2

hours) $97 + 2 = 99$ hour

TOPICS FOR CLINICS & TUTORIALS

1. Historytaking.
2. Method of Examination. (Ear, Nose and Throat)
3. - do-
4. Throat diseases. Clinical aspects of tonsils/adenoids, operations, techniques, postoperative management, complications & their management.
5. Dysphagia, diagnostic procedures, management /oesophagoscopy.
6. Neck swellings.
7. DNS, presentation, management including SMR, complication of DNS & SMR.
8. Sinusitis including antrum washout.
9. Stridor, differential diagnosis, management, intubation, laryngotomy & tracheostomy (all aspects).
10. Hoarseness of voice, presentation, differential diagnosis and management.
11. Foreign bodies of the nose, throat, oesophagus, ears & tracheobronchial tree. Presentation & management.
12. - do-

13. Otitis externa – boilear
14. Chronic suppurative otitis media, clinical presentation & management, particularly operative procedures. Complications of CSOM and their management.
15. - do-
16. Meniere's disease, otosclerosis, calorictest/audiometry.
17. X-rays & instruments.
18. - do-

MODULAR EXAMS PATTERN FOR IV YEAR ENT

THEORY

- Modules x 4 in one year (quarterly basis)
 - Each module marks = $12.5 \times 4 = 50$
- Annual exam
 - MCQs = 25 marks
 - Short question = 25
 - Total = 50

INTERNAL EVALUATION

A WARD TEST IS CONDUCTED at the end of ward rotation which includes

- Attendance = 05
- History taking = 05 marks
- OSPE = 10
- MCQ = 20
- TABLEVIVA = 10
- TOTAL = 50

ANNUAL VIVA

(By internal and external examiners.)

- History examination = 25 marks
- Tableviva = 25 marks

TOTAL MARKS

- TOTAL THEORY = 100
- TOTAL VIVA = 100

