



ORL Department
College of Medicine
King Saud University

**ORL Course 431
(Otorhinolaryngology)
Medical Students**

Students' Guide

WELCOME

Dear Medical Students,

Welcome to ORL Department of King Abdulaziz University Hospital, one of the Teaching Hospitals of the College of Medicine, King Saud University. We hope that you'll have a smooth, enjoyable and fruitful stay in the Department in taking up the ORL Course 431.

We further hope to see and have you in one of the University's continuing medical education in the field of Otorhinolaryngology and Head and Neck Surgery specialty and/or to be part of the Department in the future.

Again, have a nice and fruitful stay and good luck.

ORL DEPARTMENT

College of Medicine
King Saud University
King Abdulaziz University
Riyadh, Saudi Arabia

OVERVIEW

ORL Department

King Abdulaziz University Hospital

King Abdulaziz University Hospital is the first University hospital ever founded in the Kingdom of Saudi Arabia, situated in the heart of Riyadh, Saudi Arabia, a proximity to all crowded parts of the town that have added enormously to the flow of patients to the hospital. It is considered the leading health centre that provides patients' care.

Though, originally, it is a general hospital that was opened to public in 1375 and named after to HRH Prince Talal bin Abdulaziz in honor and recognition as a founder of this hospital. Few years later, administration was taken over by the Ministry of Health with the same high standard of care being maintained in 1380.

College of Medicine at King Saud University (KSU) then was established, agreement was concluded between them (KSU) and Ministry of Health that, it is necessary to determine a teaching hospital, affiliated to College, where clinical training Doctors could be embarked upon and further teaching to College of Medicine which will be under the supervision of specialized Teaching Staff. Also, carrying out research while maintaining of high standard of patients' health care.

For these purposes, the hospital later known as King Abdulaziz University Hospital as mentioned, proved to be perfect and fitting choice on the above undertakings. It was as well acknowledged to be one of the centres available for medical education and training in the country. King Khalid University Hospital played an important role in carrying these undertakings which is under the umbrella of King Saud University and was inaugurated in 1402 and all administrative functions and offices are in this hospital.

In spite of the overwhelming recognition attained by University, enhancing its continuing medical education programs has been given a weight and importance with its **Diploma, Fellowship** and **Subspecialty** in different fields of studies including Otolaryngology-Neurotology, Rhinology, Facial Plastic, Pediatrics, Head and Neck Surgery and placing its consideration on the necessity to be abreast to the fast pace of Global modernization, its new developments and discoveries.

Since, King Abdulaziz University Hospital has been delegated on the Otolaryngology and Head and Neck Surgery mainly when it comes to specialty's cases and teaching aspects, all the training program concerning the Diploma, Fellowship and Sub-Specialties were planned, formulated, trained, supervised and imposed in here and in conjunction of King Khalid University Hospital when it comes to administrative aspect e.g. final approval of the Dean on Candidates marks, certificate issuance etc. as mentioned above.

We cannot deny the fact that the University played a vital role in the realization of one of the Country's objectives, to be acknowledged, reknowned, and at par with other Countries when it comes to Otolaryngology, Head and Neck Practice

Graduates of the University's Fellowship have gone a long way, holding a prestigious position in their respective fields and continue to spread the ideals of the Fellowship's

While, the University will kept its assigned task in guiding and building a better Training Program that will lead to the Countries betterment in the field of Medical Education.

Course Title (Symbol and Number)	ORL Course 431
Course Name	Otorhinolaryngology Course (Medical Students)
Credit hours	4

Course Description

The Otorhinolaryngology course is a 6-week course for the fourth year Medical Students. It concentrates on the diseases of ear, nose, throat, head, and neck; its definitions, anatomy, physiology, etiology, pathology, investigations, complications and different modalities of treatment.

The course will be taught through interactive lectures, tutorials and clinical practical activities including: OPD Clinics, Bed Side Teachings, Pre- and Post-Operation Rounds, Operative sessions, Communication and Audiology sessions.

Further, there are 3 Cycles and a Summer Course per academic year. However, for the Summer Course, the discretion on whether to have a Summer Course in a particular academic year depends on the Department Board's resolution and this will be likewise informed and endorsed to the Vice Dean of Academic Affairs of the University.

Course Objectives

1. To know the basic ENT anatomy and physiology.
2. To recognize assessment and management of common ENT diseases.
3. To know how to handle common ENT emergencies.
4. To handle simple ENT diagnostic instruments.
5. To be aware of common ENT operations.
6. To create an interest for further post-graduate study in ENT.

Teaching Format

1. Theoretical activities - Lectures and Tutorials.
2. Practical and Clinical activities.

Summary of Course Contents (over 6 weeks)

ACTIVITIES	OUTLINE
<p>I. Theoretical Activities</p>	<p>1. Lectures (page 6).</p>
	<p>2. Tutorials (page 7).</p>
<p>II. Practical Activities (page 14)</p>	<p>(1) Clinics: (Out-Patient Clinic (Consultants); Primary Clinics) Main objectives: - Examination for selected patients. - Assessment and planning management of ENT patients.</p>
	<p>(2) Bed Side Teaching: Main objectives: - Clinical problem solving. - Examination of ENT patients.</p>
	<p>(3) Post and Pre-Operation Round: Main objectives: Pre-operative and post-operative assessment and management of ENT patients.</p>
	<p>(4) Operation Room: Main objectives: Discussion of common indications, procedures and possible complications of common ENT Surgeries.</p>
	<p>(5) Communication and Swallowing Disorders Unit: Main objectives: Observation and discussion of common communication and swallowing cases and diseases.</p>
	<p>(6) Audiology Unit: Main objectives: Observation and discussion of audiological investigations</p>

Course Outline

1) Lectures:

a) Ear

- Anatomy, physiology and embryology of the ear
- Diseases of the external ear (Otitis externa, otomycosis and eczema, wax and foreign body, congenital anomalies), acute otitis media
- Chronic otitis media: Otitis media with effusion, types of chronic suppurative otitis media, cholesteatoma, atelectasis and adhesive otitis media, management of C.S.O.M.
- Complications of otitis media: Intracranial (epidural abscess, meningitis, subdural abscess, brain abscess, otitis hydrocephalus).
- Vertigo: Definition, balance disorders, types, investigations, Meniere's diseases, B.P.V. etc.)
- Deafness, types, SNHL, cause, investigations, management, hearing aids, Cochlear Implant, Tinnitus evaluation and management.

b) Nose + Sinuses

- Anatomy, physiology and embryology of the nose and para nasal sinuses, investigations, septal and vestibule diseases, choanal atresia.
- Rhinitis (allergic and non-allergic), infection (chronic and acute), epistaxis and its management
- Sinusitis: Acute and chronic, types, complications of sinusitis.

c) Throat

- Anatomy and Physiology: Adenoid, acute infections (acute tonsillitis, diphtheria, infectious mononucleosis, acute non-specific pharyngitis, scarlet fever, monoliesis)
- Complications of tonsillitis (systemic and local), quinsy, retropharyngeal abscess (acute and chronic) parapharyngeal abscess, Ludwigs angina.
- Chronic tonsillitis, chronic pharyngitis
- Indications and contra-indications of tonsillectomy and adenoidectomy.

d) Larynx

- Anatomy and physiology, inflammatory disorders, voice problems, tumours, etc.
- Headache: Facial pain, neuralgias in head and neck, migraine, trigeminal headache, referred pain.
- Salivary glands, anatomy and physiology of major and minor salivary glands, investigations, inflammatory disease, sialolithiasis, tumours, and lines of management
- Neck Mass: Lymphatic drainage of head and neck, neck swelling, congenital inflammatory, neoplastic, pan endoscopy and general lines of management of a neck swelling.
- Diseases of the oesophagus and tracheobronchial tree, dysphagia, causes, evaluation and management, pouches, Ca, oesophagus.

2) Tutorials:

- a) Orientation, history taking, examinations, role of ORL in GP
- b) Upper airway obstruction and its management, oropharyngeal airway, intubation, cricothyrotomy, tracheostomy, bronchoscopy
- c) Auditory investigation, vestibular investigations
- d) Head and neck trauma, frontal fractures, nasal fracture, mid-facial fracture, jaw fracture, ear trauma, petrous fractures, laryngeal trauma, foreign body in upper aerodigestive tract etc.
- e) Common ORL tumours (Nasopharyngeal Ca, angiofibroma, squamous cell Ca of pharynx, oral cavity and larynx, laryngeal papillomata, glomus tumours, other rare head and neck tumours).
- f) Communication and swallowing disorders and their therapies.
- g) Radiology of head and neck.

However, the new curriculum have been modified and ratified by the Department of ORL and took into consideration the duration or timing of each lecture and tutorials that are as follows.

LECTURE CONTENTS

CREDIT HOUR	TOPIC DESCRIPTIONS
1-hour	<p>Anatomy & Physiology and Embryology of the Ear + Congenital Anomalies</p> <ul style="list-style-type: none"> - anatomy of the external, middle and inner ears - brief anatomy of the central connection - nerve supply and earache - very brief embryology - physiology of the ear (Eustachian tube and hearing and balance)
1-hour	<p>Diseases of External Ear and Acute Otitis Media</p> <ul style="list-style-type: none"> - congenital anomalies of the external ear in brief (protruding ear, preauricular sinus accessory auricles, microtia and atresia) - miscellaneous diseases of the external ear (wax, ear syringing) - perichondritis (causes, clinical manifestations and treatment) - otitis externa (classification, clinical manifestation and management) - acute otitis media (etiology, pathology, clinical manifestation and management) - recurrent acute otitis media (definition and management)
1-hour	<p>Chronic Otitis Media</p> <ul style="list-style-type: none"> - classifications and definition - otitis media with effusion (pathology, causes, clinical feature and management) - chronic suppurative otitis media (pathology, causes, clinical feature and management) - adhesive otitis media (very brief)
1-hour	<p>Complications of Suppurative Otitis Media</p> <ul style="list-style-type: none"> - classifications, route of spread, brief clinical feature and management) - N.B. Acute mastoiditis and mastoid abscess in more details
1-hour	<p>Deafness</p> <ul style="list-style-type: none"> - conductive hearing loss (etiiology with special attention to otosclerosis & Management) - sensorineural hearing loss (causes including congenital, traumatic, infective noise induced ototoxicity and presbycusis, acoustic neuroma) - management of SHNL including a brief idea about hearing aids and cochlear implant - sudden sensorineural hearing loss (short topic)
1-hour	<p>Vertigo</p> <ul style="list-style-type: none"> - mechanism of balance - causes of vertigo (including Meniere's disease, vestibular neuritis, positional vertigo in some details) <ul style="list-style-type: none"> - investigation of a dizzy patient (in short)

1-hour	Facial Nerve <ul style="list-style-type: none"> - anatomy (course and type of fibers in some details) - pathology of nerve injury - electrophysiological test in brief (nerve excitability and ENoG) - causes of facial nerve paralysis - clinical features - tests for location of the site of injury - management of otogenic facial paralysis (Bell's , as a complication of OM, traumatic and Ramsy Hunt's syndrome)
2-hour	Diseases of the Nose I <ul style="list-style-type: none"> - anatomy of the external nose and nasal cavity - blood supply in some details - physiology (function of the nose) - congenital disorders (choanal atresia) - vestibular and furunculosis (causes, clinical feature, complications and treatment) - epistaxis (causes and management) - diseases of the septum (deviation, perforation, hematoma and abscess)
2-hour	Diseases of the Nose II <ul style="list-style-type: none"> - acute rhinitis (etiology, clinical, treatment and complications) - chronic rhinitis (classification) - allergic rhinitis (pathology, clinical and management) - non allergic rhinitis - atropic rhinitis (definition, pathology, clinical and brief treatment) - nasal polyps (types, causes, pathology and treatment)
1-hour	The Para Nasal Sinuses <ul style="list-style-type: none"> - anatomy of the paranasal sinuses - very brief embryology - brief physiology - acute and chronic sinusitis (causes, cliinical, investigation, treatment) - fungal sinusitis (in brief) - complications of sinusitis (classification with special attention to the to the orbital complications, investigation and general treatment)
1-hour	Salivary gland <ul style="list-style-type: none"> - anatomy - brief physiology - acute infection (viral and suppurative) - chronic non-specific and calculus sialoadenitis - auto immune diseases - tumor of salivary glands (pleomorphic, malignant tumor in general)
1-hour	The Oesophagus <ul style="list-style-type: none"> - anatomy - physiology (deglutition) - congenital (tracheo-esophageal fistula) - dysphagia (causes including Zenker's pouch, achalasia & investigation) - gastro-esophageal reflux (pathophysiology, clinical presentation and management)

1-hour	The Neck <ul style="list-style-type: none"> - surgical anatomy of lymphatic drainage - neck masses (causes, investigation, treatment) - thyroglossal cysts, branchial cysts, TB, & metastasis)
2-hour	The Pharynx <ul style="list-style-type: none"> - anatomy of the pharynx and deep spaces (retro and parapharyngeal) - physiology - adenoids - snoring and sleep apnea - acute infections of the oropharynx (acute tonsillitis, infectious mononucleosis, scarlet fever, diphtheria, Vincents angina, monoliasis, acute pharyngitis - complications of infections (quincy, para and retropharyngeal abscesses, Ludwig's angina - chronic pharyngitis and tonsillitis
2-hour	The Larynx <ul style="list-style-type: none"> - anatomy and physiology of the larynx - laryngeal paralysis (causes, clinical presentation and treatment - congenital diseases (laryngomalacia, web, subglottic hemangioma and stenosis(- acute infections (acute laryngitis, croup, epiglottitis, diphtheria - benign swelling of the larynx (singer's nodules, polyp, intubation granuloma) - chronic specific and non-specific vertigo in some details) - investigation of a dizzy patient (in short)

TUTORIAL CONTENTS

CREDIT HOUR	TOPIC DESCRIPTIONS
2-hour	ORIENTATION <ul style="list-style-type: none"> - orientation with the course and the exams - symptomlogy: deafness, otorrhea, earache, tinnitus & vertigo nasal obstruction, smell abnormalities dysphagia, hoarseness, snoring and stridor - ENT and neck physical examination
2-hour	Auditory Investigation and Vestibular Analysis <ul style="list-style-type: none"> - mechanism of hearing and balance - tuning fork tests - PTA - tympanometry and impedance - other audiological tests in brief, speech, ABR - vestibular tests: Romberg, rotation chair, caloric and ENG

2-hour	Airway Obstruction <ul style="list-style-type: none"> - causes of airway obstruction - signs and symptoms of airway obstruction - investigations - tracheostomy, cricothyroidectomy and intubation (indications, techniques & complications)
2-hour	Communication Disorders <ul style="list-style-type: none"> - delayed speech - articulation problems (rhinolalia) - stroboscopy - voice therapy
2-hour	ORL Tumours <ul style="list-style-type: none"> - tumour of the ears (exostosis and osteoma, acoustic neuroma, glomus) - tumour of the nose (papilloma vestibule, inverted papilloma, osteoma & SCC) - tumour of the pharynx (angiofibroma, carcinoma nasopharynx, SCC of oropharynx, lymphoma tonsils) - salivary gland - tumour of the larynx (single and multiple papillomatosis, SCC)
2-hour	Radiology <ul style="list-style-type: none"> - x-rays nasal bones: normal and fracture plain x-rays sinuses (three views): normal and sinusitis CT sinuses (normal, sinusitis, fungal sinusitis, complications of sinusitis, benign malignant tumor), blow out fracture - plain x-ray and CT pharynx (normal, choanal atresia, adenoid, FB, angiofibroma, SCC) para and retropharyngeal abscess) - plain x-ray larynx (epiglottitis, croup) ? Normal CT larynx in brief tracheobronchial tree FBs - plain x-ray esophagus (FBs) barium swallow (normal, tumors, stricture, pouch, achalasia) - plain x-ray salivary gland (stones) siologram in brief CT in brief - CT temporal bone (complications of otitis media, fracture temporal bone and acoustic neuroma) MRI (acoustic neuroma)
2-hour	Trauma and foreign bodies <ul style="list-style-type: none"> - trauma auricle (laceration and hematoma) - traumatic perforation of tympanic membrane - F.B. ear fracture temporal bone other trauma (septal hematoma, epistaxis, CSF rhinorrhea)

	<ul style="list-style-type: none"> - F.B. nose, blow out fracture trauma to sinuses in brief - F.B. pharynx and esophages perforation of esophagus - trauma to larynx in brief F.B. tracheobronchial tree in details
2-hour	ORL Surgical procedures <ul style="list-style-type: none"> - myringotomy and VTs insertion - tympanoplasty - mastoidectomy - septoplasty & rhinology - turbinectomy, SMD and cautery - FESS - endoscopy (laryngoscopy, bronchoscopy and esophagescopy) - adenotonsillectomy

Timetable and/or Schedules of Lectures and Tutorials

TUTORIAL PROGRAMME

DAY/DATE(DMY)	TIME	SUBJECT	TUTOR
SUN	9:00 - 10:00 am	ORIENTATION	
SAT	8:00 - 10:00 am	Auditory Investigation & Vestibular Analysis	
WED	8:00 - 10:00 am	ORL SURGICAL PROCEDURES	
SAT	8:00 - 10:00 am	ORL TUMOURS	
WED	8:00 - 10:00 am	Communication Disorders	
SAT	8:00 - 10:00 am	Head & Neck Trauma Foreign Bodies	
WED	8:00 - 10:00 am	Radiology	
SAT	8:00 - 10:00 am	Airway Obstruction & Its Management	

LECTURE PROGRAMME

DAY/DATE (DMY)	TIME	SUBJECT	LECTURER
TUESDAY	8:00 - 9:00 am	Anatomy & Physiology and Embryology of the Ear	
	9:00 - 10:00 am	Diseases of External Ear and Acute Otitis Media	
	2:00 - 3:00 pm	Chronic Otitis Media	
	3:00 - 4:00 pm	Complications Of Otitis Media	
TUESDAY	8:00 - 9:00 am	Deafness	
	9:00 - 10:00 am	Vertigo	
	2:00 - 3:00 pm	Facial Nerve	
TUESDAY	8:00 - 10:00 am	Diseases of Nose I	
	2:00 - 4:00 pm	Diseases of Nose II	
TUESDAY	8:00 - 9:00 am	Paranasal Sinuses	
	9:30 - 10:30 am	Salivary Gland	
	10:30 - 11:30 am	The Oesophagus	
	2:00 - 3:00 am	The Neck	
TUESDAY	8:00 - 9:00 am	CONTINUOUS ASSESSTMENT
	2:00 - 4:00 pm	The Larynx	
SATURDAY	8:00 - 10:00 am	The Pharynx	
TUESDAY	8:00 - 9:00 am	FINAL EXAMINATION

Clinical Practical Activities

D A Y	D A T E	M O R N I N G							A F T E R N O O N					C S D U	A U D I O	G R O U P		
		C L I N I C			B S T	P O S T O p	O R	C S D U	A U D I O	C L I N I C			B S T				P R E- O P	O R
		1	2	3						1	2	3						
SAT		D	F		B		A	C	E	E	D	F	C	B	A			GROUP I 1ST WEEK
SUN		D	E	F	A/C		B			F	D			C	B	E	A	
MON		A	D	F	E		C		B	A	E		F/B		C		D	
TUE					A	D/E												
WED		E	B		A/C		D		F	F	C		E	A/B	D			
SAT		D	F		B		A	C	E	E	D	F	C	B	A			GROUP II 1ST WEEK
SUN		D	E	F	A/C		B						D	F/C	B	E	A	
MON		A	D	F	E		C		B	A	E	D	F/B		C			
TUE					A	D												
WED		E	B		A/C		D		F		F		E/C	B	D		A	
SAT		B	F	C	D		E	A		A	B		F	C/D	E			GROUP I 2ND WEEK
SUN		B	A		E/D		F		C	D	C		A		F	B	E	
MON		C	F	E	B		A		D	B	D	F	C/E		A			
TUE					D	A/F												
WED		E	D	C	F		B		A	F	E		A	C/D	B			
SAT		B	F		D		E	A	C	A	C	B	F	D	E			GROUP II 2ND WEEK
SUN		B	A		E/D		F		C	D	C		A	E/F		B		
MON		C	F	E	B		A		D	B	D	F	C		A		E	
TUE					D	A			F									
WED		E	D	C	F		B		A	F	E		A	C/D	B			
SAT		A	E		B		C	D	F	B	F		D	A/E	C			GROUP I 3RD WEEK
SUN		A	B	E			D	F	C	A	C		E	F	D		B	
MON		B	D	C	A/F		E			F	B		A/C		E		D	
TUE						A/B												
WED		C	E	A	B/D		F			A	B		C	D/E	F			
SAT		A	E		B		C	D	F	B	F		E/D	A	C			GROUP II 3RD WEEK
SUN		A	B		C/E		D	F		A	C		E	F	D		B	
MON		B	D	C	A/F		E			F	B	C	A		E		D	
TUE																		
WED																		

Legend : **Clinic** – Clinic 1 and 2 in Outpatient Clinic; Clinic 3 in PHC

BST (Bed Side Teaching)– 6A Ward for Male Students;6B Ward for Females, Assembly Venue

Pre op & Post-op (Post and Pre-Operation) 6A Ward for Male Students; 6B Ward for Females
Assembly Venue

OR (Operation Room)

CSDU (Communication and Swallowing Disorders Unit)

Audio (Audiology Unit)

Bed Side Teachings (sample program for Female Cycle)

DAY	DATE		SUB GROUP	MORNING (10:00 - 12:00 noon)	SUB GROUP	AFTERNOON (1:00 -3:00 p.m.)	
	Hijri	Gregorian					GROUP
SAT			B	Dr. Saad Saleh	C	Dr.Yassin Subhan	
SUN			A/C	PROF. YOUSRY EL SAYED	-	-	GROUP 1
MON			E	Dr. A/Majed Al-Zakzouk	F/B	Dr. Mohd. Gaafar	
TUE			A	Prof. Hamad -Muhaimed	-	-	
WED			A/C	Dr. Salman Al Habib	E	Dr. Fahad Al-Shammary	
SAT			B	Dr. Humaid Al-Humaid	C	Dr. Bashaer Abdullah	
SUN			A/C	DR. A/RAHMAN SANOSI	D	Dr. Elham Al-Wedyani	
MON			E	DR. AHMED AL-AMMAR	F/B	Dr. Badi Al-Dousari	
TUE			A	Dr. Salman Al Habib	-		
WED			A/C	Dr. Badi Al-Dousari	E/C	Dr. Adel Ibraheem	
SAT			D	Dr. Yasser Al-Kubaishy	F	Dr. Farrukh Mehmood	
SUN			E/D	DR. A/RAHMAN HAGR	A	Dr. Saud Al Rumaih	
MON			B	DR. MANAL AL-BUKHARI	C/E	DR. AHMED AL ARFAJ	
TUE			D	DR. FATMA AL-ANAZY	-	-	
WED			F	Dr. Fahad Al-Shammary	A	Dr. Salman Habib	
SAT			D	Dr. Ali Swaid	F	DR. SURAYIE ALDOUSARY	
SUN			E/D	Dr. Elham Al-Wedyani	A	PROF SAMEER BAFAQEEH	
MON			B	Dr. Khalaf Al Enezi	C	Dr. Jamil Al Swiahb	
TUE			D	Dr. Ahmed Orgobi	-	-	
WED			F	Dr.Saud Rumiah	A	Dr. Farid Al-Zahrani	
SAT			B	Dr. Bashaer Abdullah	D	Dr. Farrukh Mehmood	
SUN			-	-	E	Dr. Badi Al-Dousari	
MON			A/F	PROF. MOHD ATTALLAH	A/C	Dr. Sami Al-Harethy	
TUE			-		-		
WED			B/D	Dr. Adel Ibraheem	C	Dr. Ahmed Orgobi	
SAT			B	Dr. Yasser Al-Kubaishy	E/D	Dr. A/Majed Zakzouk	
SUN			C/E	Dr. Farid Al-Zahrani	E	Dr. Osama Saber	
MON			A/F	DR. MASOODA ASHRAF	A		
TUE							
WED							

Recommended Text Books

1. Ear, Nose and Throat (New Edition) by W. Becker (published by Thieme)
2. Lecture Notes of Diseases of Ear, Nose and Throat (New Edition) by: P. Bull (published by Blackwell Science)
3. Logan and Turner's Diseases of Ear, Nose and Throat, By A.G.D. Maran (published by Wright)

References

- a. Otorhinolaryngology Head and Neck Surgery, by Cummings
- b. Scott Brown's Diseases of Ear, Nose and Throat, by Allan Kerr

Examinations and Distribution of Marks

There are 2 examinations in each set of the Cycles, namely:

A. Continuous Assessment Examination

This is a 40 items Multiple Choice Questions (MCQ). Student has to choose the best answer, no true or false type of question. There are no negative marks in this examination, and each carry 1 mark per question.

The examination will be held in Tuesday, in the 5th week of each set.

B. Final Examination

This is a 30-item Objective Structured Clinical Examination (OSCE). It has usually 2 questions in each item (A and B) and carries 2 marks that equals to a 60 marks in this examination.

The question is in the form of slide show and it will be held on the 6th week of each set.

A.	MCQ	-	40 %
B.	OSCE	-	<u>60 %</u>
	Total Mark	-	100%

Correction of examination:

A. Continuous Assessment Examination (MCQ)

The correction of the Continuous Assessment Examination (MCQ) is computerized (scanner). Although in each examination, a manual checking of 1 student's examination paper will be done to ensure its veracity.

B. Final Examination (OSCE)

With the final examination, these examination papers will be checked manually by the Teaching Staff of the Department. After each correction, there is another Teaching Staff / Department Staff together with the Secretary to counter check each paper to ensure its veracity, the same thing with the garnered score of each student.

Summer class / Re-sit for Examination

Student who will fail in the usual Cycle, 1st Cycle, 2nd Cycle, 3rd Cycle, the Course is offered during Summer, otherwise hold as stated previously.

During the Summer Course, only clinical activities will be there though, as the usual manner there will be 2 examinations, the Continuous Assessment and the Final Examinations.

Complaint from Students

Any complaint from the students specifically with regards to the examination results is properly handled by the Department. Students are advised to write their complaint(s) addressed to the Undergraduate Director or the Department Head himself.

This complaint will be consequently handled by the Department. Any decision(s) concerning this complaint will be raised to the Students, if in case there will be a need for the interference of the Vice Dean of the Academic Affairs, then, it will be sent to him consequently and likewise, if the case and/or or complaint should be addressed to the Vice Dean, then the complaint will be sent directly to the office of the Vice Dean.

Course Development Committee

Name	Title	Position
Prof. Yousry El-Sayed	Professor	Consultant UG Exam. Comm. Member
Dr. Abdulrahman Al-Essa	Assistant Professor	Consultant UG Exam. Comm. Member and Coordinator
Dr. Saleh Al-Dhahri	Assistant Professor	Consultant

*** GOOD LUCK ***