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1. General information:

Course Title	:	ORL COURSE
Course Code & Number	:	ORL COURSE 431
Credit hours	:	4 = 1 hour for Theoretical or Lectures 3 hours for Clinical or Practical Aspect
Course duration	:	5 weeks
Department Chairman	:	DR. Sami AL-Harethy

2. Course tutors

Name	Job Title	Email	Contact
Dr. Sami Al-Harethy	Chairman of the Department Associate Professor/Consultant	alharethi@gmail.com	
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Dr. Samiah Al Angari	Registrar		0555896368

3. Course objectives

Summary of the main learning outcomes for students enrolled in the course.

- a. To know the basic ENT applied or clinical anatomy and physiology.
- b. To recognize assessment and management of common ENT diseases, include ability to obtain patients' history, perform comprehensive physical and mental status assessment, interprets findings
- c. To know how to handle common ENT emergencies.
- d. To handle simple ENT diagnostic instruments.
- e. To be aware of common ENT operations.
- f. To create an interest for further post-graduate study in ENT.
- g. Enable to acquire and practice the code of medical ethics and demonstrates good and ideal attitude towards patients and their families, with the colleagues and other Staff and Sectors
- h. To learn not only the theoretical and clinical aspects of the course but to mold as an ideal instruments in the line of medical profession includes communication and inter-relationship with colleagues and other Staff

4. Teaching and learning modes

- a. Didactic and/or Theoretical aspects
- b. Clinical activities or practical aspects

5. Schedules :

A. Didactic and/or Theoretical Aspect/Sessions

1st WEEK			
DAY/DATE (DMY)	TIME	SUBJECT	Teaching Staff
SAT	11:00 - 12:00 nn	ORIENTATION orientation of the ORL 431 course & the exams, ENT history & examination (in brief)	
	1:00 - 2:00 pm	Ear I anatomy physiology of the ear, gross anatomy of the external, middle and inner ears, nerve supply and earache (in brief), physiology of hearing and balance. (function of the Eustachian tube in brief)	
	2:10 - 3:10 pm	Audiology PTA, tympanometry and impedance (speech & ABR in brief), vestibular tests in brief	
MON	8:00 - 9:00 am	Ear II diseases of external ear and acute otitis media, congenital anomalies of the external ear (in brief), (protruding ear, preauricular sinus microtia and atresia), wax, ear wash, otitis externa (classification and management), acute otitis media (in detail) and recurrent acute otitis media	
	9:15 - 10:15 am	Ear III chronic otitis media and middle ear operation, classification of chronic otitis media, Otitis Media Effusion, adhesive Otitis Media, Chronic suppurative otitis media - types and management, ear operation in brief (myringotomy, tube, tympanoplasty and mastoidectomy)	
	10:30 - 11:30 am	Ear IV complication of acute & chr. OM, classification (extra cranial, cranial (temporal) & intra cranial), (in detail acute mastoidectomy & management)	
	1:00 - 2:00 pm	Deafness conductive hearing loss (causes and management), (otosclerosis in brief), Sensorineural hearing loss (congenital and acquired) presbycusis etc., management of SHNL (in brief) {hearing aids and cochlear implant in brief}	
	2:10 - 3:10 pm	Vertigo causes of vertigo (acute & chr. labyrinthitis, Meniere's disease, vestibular neuritis, positional vertigo, etc), investigation of a dizzy patient (in short)	
TUE	8:00-9:00 am	Head & Neck I A) Neck masses- intro, anatomy, diagnosis, differential diagnosis, examples B) Thyroid-anatomy, thyroid nodule eval, thyroid cancer, surgery & complications	
	9:15 - 10:15 am	Head & Neck II A) Salivary glands, anatomy, physio. (in brief), infection, autoimmune & tumours, B) Tumour of oral cavity, Introduction, Pre-malignant lesion, Leukoplakia etc., malignant lesion, SCCA	
	10:30 - 11:30 pm	Head & Neck III A) Tumour of pharynx, Nasopharyngeal ca, Oro & hypopharyngeal ca, B) Tumour of larynx, Intro., laryngeal papillomatosis, ca larynx	
	1:00 - 2:00 pm	Nose I anatomy & physiology of nose & paranasal sinuses, anatomy - external nose & nasal cavity, paranasal sinuses, (blood supply, {nerve supply} in brief), function- nose & paranasal sinus, congenital anomalies (in brief) {choanal atresia}	
	2:00 - 3:00 pm	Nose II acute & chronic rhinitis, allergic & non-allergic rhinitis, vestibular & furunculosis, nasal polyps (allergic & antrochoanal) etc, radiology illustration (e.g. CT scan)	
2nd Week Lecture			

DAY/DATE (DMY)	TIME	SUBJECT	Teaching Staff
SAT	8:00 - 9:00 am	Nose III acute & chronic sinusitis(causes,clinical & management), fungal sinusitis (in brief),complication -sinusitis (classification, management & with special attention to orbital complications, investigation & general treatment), radiology illustration	
	9:15 - 10:15 am	Nose IV diseases-nasal septum (DNS etc.),epistaxis (causes, clinical & mngt), turbinate hypertrophy, nasal operations(FESS, septoplasty, turbinate surgery) inshort.	
	10:30-11:30 am	Larynx I ana.& physio. - larynx, gross anatomy, blood & nerve supply, congenital diseases - laryngx (in brief), (laryngomalacia, web, subglottic stenosis & hemangioma), benign swelling-larynx (Singer's nodule, polyps, granuloma, J.L. papillomatosis)	
MON	8:00 - 9:00 am	Larynx II acute & chr. laryngitis, specific & non-specific laryngitis (acute epiglottitis, croup), laryngeal paralysis (unilateral and bilateral)	
	9:15 - 10:15 am	Trauma & Foreign Body I trauma to auricle (laceration&hematoma), tympanic membrane-traumatic perforation, FB ear, fracture temporal bone, nose trauma , fracture nasal bone, septal hematoma, septal perforation, FB nose, blow-out fracture, all with (radiological illustrations)	
	10:30 - 11:30 am	Trauma & Foreign Body II F.B. pharynx and esophagus, trauma to larynx (in brief), F.B. tracheo-bronchial tree, Radiological illustration	
	1:00 - 2:00 pm	Airway Obstruction I causes of airway obstruction (congenital and acquired), signs and symptoms	
	2:10 - 3:10 pm	Airway Obstruction II investigation of airway obstruction, radiology illustration, medical and surgical treatment, operations (indication, procedure and complication) tracheostomy, cricothyroidectomy, intubation, choanal atresia repair etc..	
	TUE	8:00 - 9:00 am	Pharynx I anatomy of the pharynx and deep neck spaces (retro and parapharyngeal), physiology (function of pharynx in brief), acute and chronic pharyngitis (non-specific and specific) e.g scarlet fever, infectious monoliasis, fungal, Vincent angina, diphtheria, Zenker diverticulation (in brief)
9:15 - 10:15 am		Pharynx II adenoid & tonsil diseases, complication-pharyngeal diseases (Quinsy, para&retropharyngeal, Ludwig's angina)+Radio. illustrations),adenotonsillectomy (indications,compl&mngt), differential diagnosis of membranous tonsil.(in brief)	
10:30 - 11:30 am		Facial Nerve anatomy (course and branches), causes of facial palsy (including Bell's palsy , middle ear complication, traumatic and Ramsy Hunt's syndrome)	
1:00 - 2:00 pm		Comm. & Swallowing I Physiology of swallowing, swallowing disorders, GERD	
2:10 - 3:10 pm		Comm. & Swallowing II Voice disorder, language disorder, speech disorder	

B. Clinical Activities and/or Practical Sessions

DAY	DATE Hijri	Gregorian	MORNING								AFTERNOON																									
			CLINIC				Pr	Post	OR	CSDU	AUDIO	CLINIC				PRE		CS DU		AU DIO																
			1	2	3	4	Op	Op				1	2	3	4	OP																				
SAT			L E C T U R E S																Week																	
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SAT			C	D	E	F			A		B	A	F	E	D	C	B																			GROUP I 3rd Week
SUN			E	D	A			B	C	F		E	F	C	B		D	A																		
MON			F	B	C	A		D	E			A	D	E	C		F	B																		
TUE							A /D	E				C																								
WED			D	F	A	B				C	E	F	C	A		B		E	D	GROUP II 4th Week																
SAT			C	D	E	F			A		B	A	F	E	D	C	B																			
SUN			E	D	A			B	C	F		E	F	C	B		D	A																		
MON			F	B	C	A		D	E			A	D	E	C		F	B																		
TUE							A /D	E				C																								
WED			D	F	A	B				C	E	F	C	A		B		E	D	Group I 5th week Group II 5th week																
SAT			B	E	D	C				A	F	A	B	D	E	C			F																	
SUN			C	B	E	F		A		D		A	D	B	F	E		C	A																	
MON			B	E	D	C				A	F	A	B	D	E	C			F																	
TUE																																				
WED			C	B	E	F		A		D		A	D	B	F	E		C	A																	

6. List of tasks

For each group (Female I & II, male A I & All and male BI & BII)

Venue	Groups				Task
	date	to	date	Date (Exam Date/Week)	
KAUH	01-09-12 29-09-12	to	03-10-12 14-11-12	24-11-12 to 28-11-12	Male A – Group II - Group I
KAUH	01-12-12 29-12-12	to	02-01-13 06-02-13	16-02-12 to 20-02-12	Female – Group II - Group I
KAUH	23-02-13 23-03-13	to	27-03-13 24-04-13	04-05-13 to 08-05-13	Male B – Group II - Group I

7. Assessment of Students

Methods of assessment of knowledge acquired

- a. **Continuous Assessment Examination (Multiple Choice Questions).**
- b. **Objective Structures Clinical Examination (OSCE)**

Note: Additional input in the assessment of students in general

Feedback and discussion during lectures and clinical activities although not documented but as a general assessment on the batch of students

8. Learning resources

A. Required Text(s)

1. Ear, Nose and Throat (Latest Edition)
By: W. Becker (published by Thieme).
2. Lecture Notes of Diseases of Ear, Nose and Throat (Latest Edition)
By: P. Bull (published by Blackwell Science).

B. Essential References

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

C. Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)

1. Saudi ORL Society Journal.
2. The Laryngoscope.
3. Annals of Otology, Rhinology, and Laryngology.

D. Electronic Materials, Web Sites etc

1. Department's internet website (www.entksu.org)
2. Department's Teaching Staff personal websites on University site.
3. University and KAUH Library.
4. Continuing Medical Education Unit of the ENT Department.

E. Other learning material such as computer-based programs/CD, professional standards/regulations

1. CD's and materials prepared by seminar, workshops and conferences conducted by ENT department, which are available in the Continuing Medical Education Unit of ENT Department.
2. Website of all the ENT Teaching Staff are available and open to all including the Students where portion of the information encoded are related to the Student's affairs / about their lectures and even samples of the examinations both for the continuous assessment and final examination mainly for students' guide and reference.

OTHER S:

- a. Lectures
- b. Clinical Activities – Attendance in:
 1. Operating Room.
 2. Bed Side Teachings.
 3. Clinics (ENT and primary care).
 4. Pre and Post-Operative Rounds.
 5. Audiology Unit.
 6. Communication and Swallowing Disorders Unit.
 7. Others e.g .. group activity, seminars, course etc....