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skills and attitudes. The clinical training programme is also designed around these objectives and it is expected that students may discuss the clinical experience they have had within the context of a PBL case.

The course aims to produce undifferentiated medical graduate who is able to be familiar with etiology, pathogenesis, clinical features, diagnoses and complications of common diseases affecting Ear, Nose and throat

The course aims to produce a medical graduate who is able to be familiar with the normal anatomy of eye recognise common causes of visual loss, oriented to ophthalmic emergencies and ophthalmic trauma and can provide both basic ophthalmic health care and preventive measures and enable the student to deal safely with the patients of ophthalmic disease.

Acquire knowledge about common disorders of skin, hair, nail disorders andrology (including male infertility, sexual disorders) and sexually transmitted diseases (STDs) likely to be seen by general practitioner

Get acquainted with clinical skills such as obtaining a patient's full history, undertaking a comprehensive skin and genital clinical examination. Interpreting the findings, distinguishing the disease from similar conditions, i.e. differential diagnosis and constructing diagnostic and treatment plan.

Acquire ethical attitude in general and towards patients with disfiguring and serious skin & STDs and sexual dysfunction.

Attain team relationship and personal development including a lifelong continued medical education.

Enhance students abilities in medical research and how to design and appraise a study.

Hands on how to deal with experimental animals.

2 – Intended learning outcomes of course (ILOs)

a- Knowledge and understanding:

a1- Describe the structure and function of ear nose and oropharynx

a2- Explain etiology, pathogenesis, clinical features, diagnoses and complications of common diseases affecting Ear, Nose and throat

a.3- Describe appropriate management for common diseases affecting the ear, Nose and throat pharmacological & non pharmacological and invasive & non invasive.

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- a.4-Define etiology, pathogenesis, clinical features,diagnoses and complications of common causes of visual loss,through out the age spectrum.
- a.5-Describe appropriate management for common diseases affecting the eye (pharmacological& non pharmacological and invasive& non invasive.
- a.6-Outline the management of emergencies and priority of management, explain basics of ethics, medicolegal aspects of health problems and malpractice.
- a.7-Define knowledge about etiology, pathogenesis, clinical features,diagnoses and complications of common skin, hair, nail diseases either infectious and non infctious
- a.8 Explain etiology, pathogenesis, clinical features,diagnoses and complications of common sexually transmitted diseases (STDs) likely to be seen by general practition.
- a.9 Define knowledge about etiology, pathogenesis, clinical features, and diagnoses of common disease of male infertility and sexual disorders
- a.10-Define value of medical research
- a.11-Outline the study design
- a.12-Recognize research ethics and consent
- a.13-Name the evidence based levels
- b- Intellectual skills**
- b1 Demonstrate basic biomedical science with clinical care.-.....
- b2 Solve clinical problems (prioritize and evaluate clinical problems
- b3- Relate history,physical and laboratory finding into a meaningful diagnosis and construct initial course of management.
- b4- Use study design
- b5-Interpret a scientific manuscript.....
- b6-Interpret the criteria of a diagnostic test
- b7Match the different biostatistical tests
- c- Professional and practical skills**
- c1 Plan history taking and examine the mouth and pharynx, neck and cranial nerves.

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c2- Measure temperature and how to manage fever.

C3-Examine otoscope and Oto-telescope

c3 – Examine for facial nerve

C4-Interpret photos and CT of pharyngeal diseases

C5- Inspect Tonsillectomy

C6-Practice history taking from patient with eye disease.

C7-Perform ocular examination with acute and chronic clinical conditions.

C8-Record patient data appropriately

C9- Appraise of literature

C10-Prepare an experimental research on rats

C11-Formulate a research idea

C12-Practice ethical attitude in general and towards patients with disfiguring and serious skin & STDs and sexual dysfunction.

C13-Arrange team relationship and personal development including a lifelong continued medical education

C14-Practice obtaining a patient's full history, undertaking a comprehensive skin and genital clinical examination. Interpreting the findings, distinguishing the disease from similar conditions, i.e., differential diagnosis and constructing diagnostic and treatment plan.

d- General and transferable skills

d1- Arrange for early detection of onchogenic blood disorders.

d2- Work effectively within a team.

d3- Present information clearly in written ,electronic and oral form.

d4- Measure ischemia reperfusion injury in rats

d5- Comparing different study designs

d6- Criticize a published work-

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3- Contents

Topic No. of hours Lecture Tutorial/Practical

Topics	No of hours	Lectures	Tutorial/ practical
ENT			
Anatomy of external, middle ear and inner ear	6	1	5
Anatomy of the facial nerve to motor nucleus in pons	6	1	5
Anatomy of the cerebello-pontine angle	6	1	5
Physiology of hearing and equilibrium	6	1	5
Otoscope	6	1	5
Tunning fork test	6	1	5
Audiogram	6	1	5
Tympanogram	6	1	5
Facial nerve examination	6	1	5
Traumatic rupture drum	6	1	5
Trumatic disruption of ossicles	6	1	5
Fractures of petrous part of temporal bone	6	1	5
Traumatic facial nerve paralysis	6	1	5
Traumatic CSF leak from the ear	6	1	5

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Otitic barotraumas	6	1	5
Haemtypanum	6	1	5
Foregin body trauma	6	1	5
Acut otitis media	6	1	5
Chronic otitis media	6	1	5
Otitis media with effusion	6	1	5
Complication of otitis media	6	1	5
Otosclerosis	6	1	5
Menier's disease	6	1	5
Vestibular Schanoma	6	1	5
BPPV	6	1	5
Anatomy of nose and paranasal sinuses	6	1	5
Physiology of the nose and paranasal sinuses	6	1	5
Nasal speculum	6	1	5
Nasal Telescope	6	1	5
Trumatic fracture nasal bones	6	1	5
Zygomatic fractures	6	1	5
Maxillary fracture	6	1	5
Mandibular fracture	6	1	5
Trumatic CSF leak from	6	1	5

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the nose			
Oro-antral fistula	6	1	5
Foreign body trauma in the nose	6	1	5
Epistaxis	6	1	5
Rhinosinusitis	6	1	5
Acute Rhinosinusitis	6	1	5
Chronic Rhinosinusitis	6	1	5
Neoplasm in the nose and paranasal sinuses	6	1	5
Sinus headache	6	1	5
Migraine	6	1	5
Anatomy of the pharynx	6	1	5
Neoplasms of the nasopharynx	6	1	5
Adenoids and chronic bilateral nasal obstruction	6	1	5
Sore throat and tonsillitis	6	1	5
Anatomy of the larynx	6	1	5
Neoplasm of the larynx	6	1	5
Hoarseness and stridor	6	1	5
Ophthalmology	6	1	5
LIDS	6	2	4
ORBIT	6	2	4
Lacrimal	6	2	4

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Cornea and sclera	6	2	4
Conjunctiva	6	2	4
Uvea	6	2	4
Gloucoma	6	2	4
Lens	6	2	4
Retina and vitreous	6	2	4
Optic nerve	6	2	4
Error of refraction	6	2	4
Strabismus	6	2	4
Medical ophthalmology	6	2	4
Red eye	6	2	4
Neuro ophthalmology	6	2	4
Laser in ophthalmology			
Dermatology			
Structure & function of skin, pathological terms, principles of diagnosis, topical therapy	3	1	2
Viral infection	4	2	2
Fungus infection	4	2	2
T.B, Leprosy	2	1	1
Eczema	2	1	1
Bacterial infection	3	1	2
Parasitic diseases, urticaria, papular	5	1	4

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urticaria			
Erythema multiforme, drug eruption	2	1	1
Psoriasis, Lichen planus, PRP	3	1	2
Diseases of sebaceous & sweat glands	3	1	2
Diseases of hair, melanin disorder	2	1	1
Collagen diseases, pemphigus	3	1	2
Anatomy of genitals, male infertility & Sexual medicine	3	1	2
Gonorrhea, NGU, Syphilis , Chancroid, granuloma inguinale, Viral STD, LGV, Candidiasis, trichomonias	19	6	13
Research methodology			
Value of developing research thinking and skills in medical school milieu		1	
Renal ischemia reperfusion injury: Procedure		1	
Histopathology of ischemia reperfusion injury		1	
Evaluation of diagnostic test		1	

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Study design		1	
Applied aspects of study design		1	
Variables and data analysis		1	
Test of significance		1	
screening test		1	
Microbiology and research		1	
Responsible conduct of medical research		1	
How to write a paper		1	
Consent and research ethics		1	
Neuro-degenerative disorders		1	
How to present this paper		1	
Handling of animal and sampling			1
cannulation and Anaesthesia			1
Surgical anatomy of the rats			1
Renal Ischemia reperfusion Injury			1
Liver Ischemia reperfusion Injury			1
Brain Ischemia			1
Nephrectomy			1
Orchectomy			1
Oophrectomy			1
Waste Disposal			1
Principles of clinical audit		1	1

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4- Teaching and learning methods

4.1- Lectures

4.2- Clinical training and seminars

4.3-Skill lab

4.4- Problem Based learning

5- Student assessment methods

5.1MCQ to assess Knowledge

5.2Short essay to assess Knowledge and attitude

5.3OSCE..... to assess Skills

Assessment schedule

Assessment 1 MCQ Week After each rotation

Assessment 2Essay. Week Final exam

Assessment 3OSCE Week Final exam

Weighting of assessments

Attendance 10%

MCQ 40%

Short essay 17%

OSCE Examination 33%

Total 100%

6- List of references

6.1- Course notes

Student book

6.2- Essential books (text books)

Otolaryngology head and neck surgery

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Scott.Brown.Otolaryngology Head and neck surgery

Text book of ophthalmology.....

Rook text book of dermatology, 2008. Blackwell company, USA-

Recommended Books Andrology for the clinical skill, F comhair & T. Hargreve editor.
Springer-Verlag Berlin Heidelberg 2006

6.3- Recommended books

Essential of otolaryngology: Lee

Clinical Otolaryngology S.Maran.

Kanski clinical ophthalmology, American Academy series

6.4- Periodicals, Web sites, etc

Entusa .com

Medscape.com

emedicine.com

NEJM, AJKD, NDT, www.google.com

7- Facilities required for teaching and learning

ppt, lab, operating theatre

Course Coordinator:Sahar Tarshouby

Programme Director: Nagy Abdelhady

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