

University: Al Azhar
Faculty : Medicine
Department: Ophthalmology

Course Specification

1. Course Data		
Course Code : 07-700-0pth-doc	Course Title: pathology	Academic Year / level: MD Ophthalmology
Specialization:	No. of Instructional Units:	
	Lecture 1.5h./wee	
	Practical 1h./week	Seminar: 1h./week

2. Course Aim	<p>The aim of the course is to provide the postgraduate with the advanced knowledge and understanding of the pathology of the eye and related structures through providing:</p> <ul style="list-style-type: none"> The knowledge and understanding of basic principles of pathology, inflammation, pathology of the globe and its adnexa. Optic nerve and orbit are covered as well and congenital anomalies of the eye. Ability to correlate the pathological basic to the different diseases in ophthalmology. Skills of effective communication. Appropriate attitudes and professionalism. Ability to engage in post- graduate and research studies.
3. Intended Learning Outcome (ILOs)	
a. Knowledge and Understanding:	<p>At the end of the program, the student should be able to:</p> <p>A1. Recognize pathological knowledge relevant to ophthalmic diseases.</p> <p>A2. Explain altered structure and function of the eye that is seen in various diseases and integrate it in clinical conditions.</p> <p>A3. Describe pathogenesis, of common and vision threatening illnesses affecting the eye, presenting throughout the age spectrum.</p> <p>A4. Describe the pathology of ocular tumors</p> <p>A5. Understand importance of environment and occupation in ophthalmic diseases.</p> <p>A6. Describe recent advances in the field of applied pathology in ophthalmic diseases.</p>

	A7.Describe microscopic pathology findings in all ophthalmic diseases		
b. Intellectual Skills:	At the end of the course; the students should be able to: B1.Integrate basic pathological science with clinical case. B2. Recognize, define and prioritize pathological problems B3.Interpret, analyze, and evaluate pathologic report.		
c. Professional Skills:	At the end of the course; the student should be able to: C1.Demonstrate basic pathological sciences skills relevant to ophthalmological practice C2.Evaluate pathologic specimens during operative interference		
d. General Skills:	At the end of the course; the student should be able to: D1.Communicate effectively with other health professionals D2.Use information and communication technology effectively in the field of medical practice. D3.Retrieve, manage, and manipulate information by all means, including electronic means. D4.Work effectively within a team.		
4. Course Content	Topics	Lectures	Clinical
	Basic principles of Pathology	2	1
	Congenital Anomalies	1	1
	Granulomatous and Non-granulomatous inflammation	2	1
	Surgical and Non-surgical trauma	1	1
	Skin and Lacrimal drainage system	2	1
	Conjunctiva	2	1
	Cornea and Sclera	3	1
	Uvea	2	1
	Lens	1	1
	Glaucoma	2	1
	Neural Retina	3	1
	Vitreous, Optic Nerve	2	1
	Orbit	1	1
Ocular tumours	2	2	
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures and tutorials. • Practical (slides, microscopic) and clinical cases (macroscopic). 		
6. Teaching and Learning Methods for Students with Special Needs	Not applicable		
7. Student Assessment:			
a. Procedures used:	<ul style="list-style-type: none"> • Final written exam. • Final oral exam. 		
b. Schedule:	At April /November ,after discussing MD thesis , Those passing written exam are allowed to engage in oral exam		

c. Weighing of Assessment:	<ul style="list-style-type: none"> • Final written exam.: 100 degrees. • Final oral, practical exam.: 100 degrees.
8. List of Textbooks and References:	
a. Course Notes	Course notes
b. Required Books (Textbooks)	<ul style="list-style-type: none"> • Yanoff Pathology. <p>Yanoff M, Sassani JW (eds). Ocular Pathology. Textbook, 6th ed. Edinburgh, London: Elsevier Inc. 2009.</p>
c. Recommended Books	<p>Ophthalmic pathology.</p> <p>Sehu KW, Lee WR. Ophthalmic Pathology: An illustrated guide for clinicians. Australia: Blackwell Publishing Ltd. 2005</p> <p>Harry J, Misson G. Clinical Ophthalmic Pathology. Butterworth/Heinemann.</p>
d. Periodicals, Web Sites, ..., etc.	<ul style="list-style-type: none"> • British journal ophthalmology: http://www.BJO.com • Ophthalmology. • American journal ophthalmology. • Archieve Ophthalmology. • Egyptian journal ophthalmology: http://www.eos1902.com • http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1755-3768 • http://ophthalmology.blogspot.com/ • http://pubmed.com

Course Instructor:

Head of Department: Prof. Dr.

Date: 1/11/2014