

University: Al Azhar
Faculty : Medicine
Department: Ophthalmology

Course Specification

1. Course Data		
Course Code : 07-700-ophth-med-doc	Course Title: Ophthalmic Medicine	Academic Year / level: MD Ophthalmology
Specialization: Ophthalmology	No. of Instructional Units:	
	Practical <input style="width: 60px;" type="text" value="8hr /wk"/>	Lecture <input style="width: 60px;" type="text" value="3hr/w"/> Seminar: 1h. /week.

2. Objectives of the course	<p>The aim of the course is to provide the postgraduate with the advanced knowledge and skills essential for the mastery of practice of the specialty and necessary for further training and practice in the field of Ophthalmic medicine through providing :</p> <ul style="list-style-type: none"> • Recent scientific knowledge essential for the mastery of practice of ophthalmic medicine according to the national standards. • Awareness of the importance of a good doctor/ patient relationship, and work to establish and maintain it. • Skills in the assessment of ophthalmic patients including investigations. • Skills in managing patients with ophthalmic diseases including problem solving, decision making and proper management. • Rules of medical ethics. • 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 course the students should be able to:</p> <p>A1. Identify etiology, pathogenesis, clinical features, diagnoses and complications of common and vision threatening illnesses affecting the eye, presenting throughout the age spectrum.</p> <p>A2. Recognize principles of management of common and vision threatening illnesses including: Pharmacological basics of therapy,</p>

	<p>Non invasive and invasive intervention, Basic pre- and post operative care.</p> <p>A3. Recognize basics of ethics, medico legal aspects of health problems, malpractice and common medical errors.</p> <p>A4. Identify basics of health and patient's safety and safety procedures during practice.</p> <p>A5. Recognize principles of clinical audit..</p> <p>A6. Understand importance of environment and occupation in ophthalmic diseases.</p> <p>A7. Describe different types of diseases related to all eye structures and ways of management.</p> <p>A8. Comprehend recent advances in the field of ophthalmic diseases.</p> <p>A9. Design, conduction and publishing of scientific research.</p>
<p>b. Intellectual Skills:</p>	<p>At the end of the course the students should be able to::</p> <p>B1. Integrate basic biomedical science with clinical case.</p> <p>B2. Integrate the results of history, physical and investigational findings into a meaningful diagnostic formulation.</p> <p>B3. . Recognize, define and prioritize ophthalmic problems.</p> <p>B4. Interpret, analyze, and evaluate results of investigations</p> <p>B5. Use personal judgment for analytical and critical problem solving and seek out information.</p> <p>B6. Construct appropriate management strategies for patients with common diseases, both acute and chronic, including medical and surgical conditions.</p> <p>B7. Design an initial course of management for stabilization of patients with serious illnesses.</p> <p>B8. Classify factors that place individuals at risk for disease or injury, to determine strategies for appropriate response.</p> <p>B9. Retrieve, analyze, and evaluate relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence (EBM).</p> <p>B10. Recognize and cope with uncertainty that is unavoidable in the practice of medicine by accepting and reacting to uncertain situation through proper counseling, consultation and referral.</p> <p>B11. Be involved into research and scientific methods through: Recognition of the importance of precision in collecting, analyzing and interpreting medical data.</p>
<p>c. Professional Skills:</p>	<p>At the end of the course the students should be able to:</p> <p>C1. Demonstrate basic sciences practical skills relevant to their practice.</p> <p>C2. Take and record a structured, patient centered history.</p> <p>C3. Perform full physical examination of patients with acute and chronic clinical conditions appropriate to the age, gender, acute and chronic clinical conditions.</p> <p>C4. Formulate a management plan for common diseases and acute emergencies.</p> <p>C5. Record patients ' data appropriately.</p> <p>C6. Write safe prescriptions of different types of drugs based on patient's weight, age and health condition.</p>

	<p>C7. Apply the principles of sterile techniques and infection control guideline.</p> <p>C8. Evaluate and improve methods and tools used in specialty and subspecialty.</p> <p>C9. Plan for professional development courses to improve practice and enhance performance of juniors.</p>		
d. General Skills:	<p>At the end of the course; the student should be able to:</p> <p>D1. Communicate effectively with patients ,their relatives, and colleagues</p> <p>D2. Be prepared for the lifelong learning needs of the medical profession</p> <p>D3. Use information and communication technology effectively in the field of medical practice.</p> <p>D4. Retrieve, manage, and manipulate information by all means, including electronic means.</p> <p>D5. Present information clearly in written, electronic and oral forms.</p> <p>D6. Communicate ideas and arguments effectively.</p> <p>D7. Work effectively within a team and show ability to lead and direct the teamwork.</p> <p>D8. Analyze and use numerical data (including the use of simple statistical methods).</p> <p>D9. Able to manage scientific meeting.</p>		
4. Course Content	Topics	Lectures	Clinical
	Diseases of the Eye Lid	2	4
	Diseases of the Lacrimal drainage system	1	2
	Diseases of the Orbit	2	4
	Diseases of the Conjunctiva	2	4
	Diseases of the Cornea	3	6
	Diseases of the Sclera	1	2
	Diseases of the Lens	2	4
	Glaucoma	3	6
	Diseases of the Uveal tissue	3	6
	Retinal Vascular diseases	1	2
	Acquired Macular disorders	1	2
	Hereditary Fundus dystrophies	1	2
	Retinal detachment	1	2
	Strabismus	3	6
	Neuro-ophthalmology	2	4
	Ocular tumours	2	4
Systemic diseases	2	4	
Trauma	2	4	
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures and tutorials. • Practical and clinical cases. • Workshops. • Case Study. • Attending the emergency shifts periodically. 		

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. • Final practical exam. • Final clinical exam.
b. Schedule:	At April/November after passing written exam
c. Weighing of Assessment:	<ul style="list-style-type: none"> • Final written exam.: 100 degrees. • Final oral, practical, clinical exam.: 100 degrees.
8. List of Textbooks and References:	
a. Course Notes	
b. Required Books (Textbooks)	<ul style="list-style-type: none"> • Kanski clinical ophthalmology. <p>Kanski JJ, Bowling B. Clinical Ophthalmology; a systematic approach, 7th ed. Butterworth/Heinemann 2011.</p> <ul style="list-style-type: none"> • Yanoff Ophthalmology. <p>Yanoff M, Duker JS. Ophthalmology, textbook, 2nd ed. Philadelphia: Mosby. 2004.</p> <ul style="list-style-type: none"> • American Academy of Ophthalmology <p>The MD association. American Academy of Ophthalmology. Lifelong Education for the ophthalmologist. 2011.</p>
c. Recommended Books	<ul style="list-style-type: none"> • Duane's Ophthalmology. <p>Tasman W, Jaeger EA (eds). Duane Ophthalmology. Philadelphia: Lippincott Williams & Wilkins, 2002.</p> <ul style="list-style-type: none"> • Oxford Textbook of Ophthalmology <p>Easty DL, Sparrow JM. Oxford Textbook of Ophthalmology (2 volumes) Oxford Medical Publications.</p> <ul style="list-style-type: none"> • Retina. <p>Yannuzzi LA. The Retinal Atlas. London: SAUNDERS, 2010. http://www.elsevier.com/permissions</p> <p>Gass JDM. A Stereoscopic Atlas of Macular Diseases: Diagnosis and Treatment.</p> <ul style="list-style-type: none"> • Cornea. <p>Krachmer JH, Mannis MJ, Holland EJ. Cornea; Fundamentals, Diagnosis and Management, 3rd ed. London: Elsevier Inc, 2011. www.elsevier.com/permissions</p> <ul style="list-style-type: none"> • Paediatric Ophthalmology. <p>Taylor D. Paediatric Ophthalmology. Blackwell Science.</p> <p>Von Noorden GK. Binocular Vision and Ocular Motility. Theory and Management of Strabismus. Mosby.</p>

	<p>Wright KW, Spiegel PH, Thompson LS (eds). Handbook of Pediatric Strabismus and Amblyopia, 3rd Ed. USA: Springer Science+Business Media, Inc. 2006</p> <ul style="list-style-type: none"> • Glaucoma. <p>Stamper RL, Lieberman MF, Drake MV. Becker-Scaffer's Diagnosis and Therapy of the Glaucomas, 8th ed. London: Elsevier Inc.2009. http://www.elsevier.com/permissions.</p> <ul style="list-style-type: none"> • Ocular Infl. Disease, Uveitis. <p>Huang JJ. Gaudio PA. Ocular Inflammatory Disease and Uveitis Manual: Diagnosis and Treatment, 1st ed. Lippincott Williams & Wilkins 2010.</p> <ul style="list-style-type: none"> • Neuro-ophthalmology <p>Glaser JS. Neuro-ophthalmology. LipincottWilliams & Wilkins.</p>
<p>d. Periodicals, Web Sites, ..., etc.</p>	<ul style="list-style-type: none"> • British journal ophthalmology. • Ophthalmology. • American journal ophthalmology. • American Association for Pediatric Ophthalmology and Strabismus. • Achieve Ophthalmology. • Egyptian journal ophthalmology. • 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: 25/8/2013