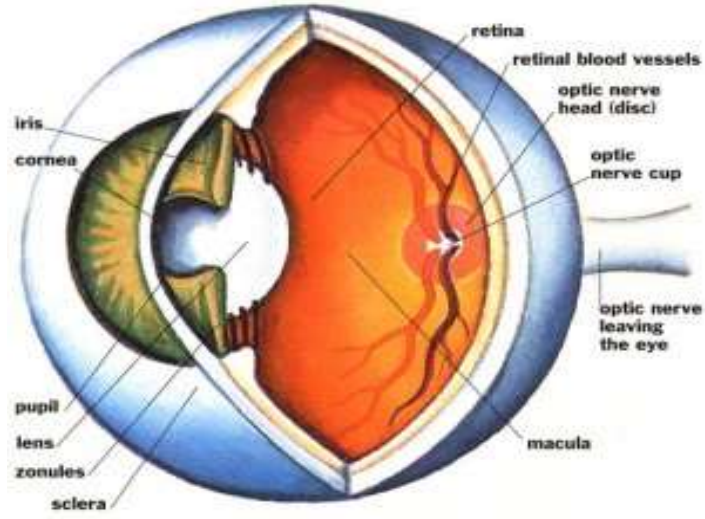


Master Degree of Ophthalmology Log Book



” كراسة الأنشطة ”

اللازمة لحصول المتدرب على درجة الماجستير في طب وجراحة العين

2022-2023

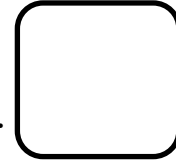


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Personal Data



Name.....
Date of birth.....
Address.....
Place of work.....
Telephones..... Mobile phone(s).....
E mail.....

Name of hospital	Period of work	Hospital director signature

Academic Information

MBBCh...../...../..... University
Grade

Grade of Internal Medicine course on graduation

Others...../...../..... University
...../...../..... University



*** Aim of the activities book**

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book

For each module / course / rotation

You should fill the following sections:-

1- Clinical case log

- 1- You will first find list with all required cases in the concerned module and the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.
- 2- You should record all clinical cases in the module and each case should be signed by you trainer.

2- Clinical case presentation log

Record the cases related to the module that you have presented in a seminar of the activity.



3- Procedures / operations log

1- You will find a list for required procedure, diagnostic – therapeutic operations and level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

4- Rotation / attendance proof

You should have evidence of achievement the required training hours within each Module.

For the whole program fill the following sections.

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation,....."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
-

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quiseses



Program aims

- 1/1 Provides the candidates with a fundamental knowledge base as well as clinical experience and competence in the area of Ophthalmology--and making appropriate referrals to a sub-specialist.
- 1/2. To graduate certified ophthalmologist who possesses knowledge judgment adaptability, clinical skills, technical facilities and personal characteristics to carry out the entire scope of Ophthalmic practice
- 1/3 To introduce candidates to the basics of scientific medical research.
- 1/4 Enable candidates to start professional careers as specialists in Egypt but recognized abroad.
- 1/5 To enable candidates to understand and get the best of published scientific research and do their own.

Curriculum Structure:

Duration of program 36 months

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related basic science courses and ILOs + elective courses

Students are allowed to set the exams of these courses after 12 months from applying to the M Sc degree.

- Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set **before 12 months** from registering the M Sc subject;

It could be discussed and accepted before passing the second part of examination)

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to set the exams of these courses before 3 years from applying to the MSc degree.

n.b. Fulfillment of the requirements in each course as described in the template and registered in the log book is a pre-request for candidates to be assessed and undertake part 1 and part 2 examinations.



كلية الطب

Ophthalmology Department
Faculty of Medicine

First Part

Academic activities of basic sciences

Practice with the academic and clinical departments during year 1

Essential Courses

1. Course 1 (Anatomy of the eye)
2. Course 2 (Physiology of the eye)
3. Course 3 (Optics and refraction)
4. Course 4 (General Surgery)
5. Course 5 (Internal Medicine and Neurological diseases)



Anatomy

Requirements

- Credit points: 3 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy	0.5	Ophthalmology	5 hours - Cornea - Conjunctiva - lacrimal system	16.7%
	0.5		5 hours - Anterior chamber angle - Sclera and episcleral structures Lens	16.7%
	0.5		5 hours - - Choroids - Iris - Ciliary body Ciliary processes	16.7%
	0.5		5 hours Optic nerve structure - Optic nerve vasculature Cranial nerves 3,4,6,7	16.7%
	0.5		5 hours Anatomy of the macula - Retina vitreous	16.6%
	0.5		5 hours - EOMs Eyelids Orbit	16.6%
	Student signature			



Anatomy Lectures

Date	Attendance	Topic	Signature



Physiology

Requirements

- Credit points: 2.5 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.5	Ophthalmology	5 hours - Precorneal tear film - Tears - Accommodation - Precorneal tear film - Corneal sensation - Tear secretion basic and reflex - Aqueous humor composition - Aqueous Formation - Biodynamics of Aqueous	20%
	0.5		5 hours - IOP - Lens - Ciliary body - Iris - aqueous humour	20%
	0.5		5 hours - Vitreous - Cornea - Retinal circulation	20%
	0.5		5 hours - types of ocular motility - ocular motility control - sympathetic innervation -parasympathetic innervation	20%
	0.5		5 hours - Lid and conjunctiva -Lacrimal apparatus, secretory and drainage parts - Retina - Vitreous - Choroids - Sclera	20%
Student signature			Principle coordinator signature	Head of the department signature



Physiology Lectures

Date	Attendance	Topic	Signature



Optics

Requirements:

Credit points: 2.5 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Optics	0.5	Ophthalmology	5 hours - Lens formula. - Astigmatic lenses. - Notation of lenses. - Notation of prisms	20%
	0.5		5 hours - Identification of unknown lenses. - Aberrations of lenses. - Lens materials. - Clinical optics.	20%
	0.5		5 hours - Visual acuity. - Ametropia. - Optical parameters affecting retinal image size. - Accommodative problems.	20%
	0.5		5 hours - Refractive errors. - Correction of ametropia. - Problems of spectacles in aphakia. - Calculation of intraocular lens power.	20%
	0.5		5 hours - Presbyopia (measuring for near adds). - Low vision aids. - Clinical refraction. - Instruments and tests.	20%
Student signature			Principle coordinator signature	Head of the department signature



General Surgery

Requirements

- Credit points: 3 credit point for didactic and 5 points for training
- Minimal rate of attendance of at least 80% of lectures and training)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
General Surgery	1	General Surgery	10 hours <ul style="list-style-type: none"> • Basic surgical techniques • Types of anesthesia 	33.3%
	1		10 hours <ul style="list-style-type: none"> • Thyroid diseases and thyroid eye disease • DD of neck swelling 	33.3%
	1		10 hours <ul style="list-style-type: none"> ▪ Shock and resuscitation ▪ Haemorrhage ▪ Facial fractures ▪ Head Trauma 	33.3%
Student signature			Principle coordinator signature	Head of the department signature



Clinical Training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training in General surgery	2	General surgery	Practice with clinical cases for at least 2 weeks in the department ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below	40% (Of training points)
	1		Attendance of at least 1 week in the Outpatient clinic	20%
	2		Attendance of at least 2 weeks Operative room	40%
Student signature			Principle coordinator signature	Head of the department signature

Case	Number
• Thyroid diseases and thyroid eye disease	2
• DD of neck swelling	2
• Shock and resuscitation	2
• Haemorrhage	2
• Facial fractures	2
• Head Trauma	2
Procedures	Number
• Basic surgical technique	2
• Types of anesthesia	2



General Surgery Lectures

Date	Attendance	Topic	Signature



Attendance in Department, Outpatient clinic, and Operative room

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor



**General Surgery
Clinical case log**

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision



**General Surgery
Procedure log**

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



كلية الطب

Ophthalmology Department
Faculty of Medicine

Internal Medicine and neurological diseases

Requirements

- Credit points: 3 credit point for didactic and 5 points for training
- Minimal rate of attendance of at least 80% of lectures and training)



Internal Medicine

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal Medicine	0.5	Internal Medicine	5 hours <ul style="list-style-type: none"> Diabetes mellitus and its complications Hypertension and its complications 	25%
	0.5		5 hours <ul style="list-style-type: none"> Eye manifestations in rheumatological diseases 	25%
	0.5		5 hours <ul style="list-style-type: none"> Renal diseases related to eye Hyperviscosity disorders 	25%
	0.5		5 hours <ul style="list-style-type: none"> Pituitary gland 	25%
Student signature			Principle coordinator signature	Head of the department signature



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Internal Medicine	1	Internal Medicine	1 week in Endocrinology unit -Log of 2 cases • Diabetes mellitus and its complications • Pituitary gland diseases	25%
	1	Internal Medicine	1 weeks in Internal Medicine - Log of 2 cases • Hypertension and its complications	25%
	1		1 weeks in Nephrology Unit - Log of 2 cases • Renal diseases related to eye	25%
	1		1 week in Rheumatology unit - Log of 2 cases Eye manifestations in rheumatological diseases	25%
Student signature			Principle coordinator signature	Head of the department signature



**Internal Medicine
Clinical Rotation in units**

Date	Unit	Duration	Signature of supervisor



Internal Medicine Lectures

Date	Attendance	Topic	Signature



كلية الطب

Ophthalmology Department
Faculty of Medicine

Internal Medicine Attendance in Department

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor



كلية الطب

**Internal Medicine
Clinical case log**

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Neurological diseases

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Neurological diseases	0.25	Neurology	2.5 hours • Ophthalmoplegia and Cranial nerve palsies related to the eye	25%
	0.25		2.5 hours • Visual field changes associated with lesion related to the optic pathway	25%
	0.25		2.5 hours • Eye manifestations of myasthenia gravis • Multiple sclerosis	25%
	0.25		2.5 hours • Stroke	25%
Student signature			Principle coordinator signature	Head of the department signature



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Neurology	1	Neurology	<p>1 week in Neurology Department</p> <p>-Log of 2 cases</p> <ul style="list-style-type: none"> • Ophthalmoplegia and Cranial nerve palsies related to the eye • Visual field changes associated with lesion related to the optic pathway • Eye manifestations of myasthenia gravis • Multiple sclerosis 	100%
Student signature			Principle coordinator signature	Head of the department signature



Neurological Diseases
Lectures

Date	Attendance	Topic	Signature



**Neurological Diseases
Clinical case log**

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



كلية الطب

Ophthalmology Department
Faculty of Medicine

Course 6

Ophthalmology



Rotation / attendance proof
الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Requirements

- Credit points: 24 credit point for didactic and 110 for training



Year 1

(14 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Ophthalmology department	3	Ophthalmology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 3 weeks in the department including their laboratory investigation and treatment ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	21.5%
	2		➤ Night shift (From 2pm to 8am) 1/week for 4weeks	14.3%
	2		➤ Attendance of at least 2 weeks in the Outpatient clinic	14.3 %
	2		➤ Practice in operative room for at least 2 weeks	14.3%
	3		➤ Practice in investigation unit for at least 3 weeks	21.4%
	1		➤ Attendance of clinical rounds (2 hours /week for 15 week)	7.1%
	1		➤ Formative assessment	7.1%
Student signature			Principle coordinator Signature	Head of the department signature



كلية الطب

Ophthalmology Department
Faculty of Medicine

Clinical case log

<i>Retinoscopy , refraction, contact lenses, refractive surgery, and low vision rehabilitation</i>	
Case	Number
Refraction in Myopia	1
Refraction in Hypermetropia	1
Refraction in Irregular Astigmatism	1
Refraction in keratoconus	1
Refraction in presbyopia	1
Post operative refraction (Post keratoplasty, Aphakic, post RD)	1
Contact lenses (Contact lenses for difficult cases)	1
Refractive surgery PRK LASIK LASEK (observation)	1
Treatment of amblyopia	1



Cornea, external diseases

Case	Number	Case	Number
Corneal ulcer Infective (bacterial, viral, fungal) Non infective allergic, degenerative, ischaemic	1	Ectropion	1
corneal dystrophies	1	Ptosis	1
Keratoconus	1	degenerative lesions pterygium pinguecula	1
dermatochalasis, blepharochalasis, blepharofimosis	1	Xerosis	1
inflammatory lesions of the skin of the lid	4	anterior segment trauma blunt trauma perforating trauma chemical injuries	1
chlazion, stye	1		
different types of blepharitis	1		
lid margin deformities	1		
entropion, trichiasis ,	1		



<i>Glaucoma</i>	
Case	Number
<ul style="list-style-type: none">• Primary congenital glaucoma• secondary congenital glaucoma	1
<ul style="list-style-type: none">• Primary angle closure glaucoma• secondary angle closure glaucoma	3
<ul style="list-style-type: none">• Primary open angle glaucoma• secondary open angle glaucoma	3
<ul style="list-style-type: none">• traumatic glaucoma	1

<i>Cataract</i>	
Case	Number
<ul style="list-style-type: none">• Congenital cataract	3
<ul style="list-style-type: none">• Senile cataract	10
<ul style="list-style-type: none">• Complicated cataract	1
<ul style="list-style-type: none">• Drug induced cataract	1
<ul style="list-style-type: none">• Cataract in systemic diseases	1
<ul style="list-style-type: none">• Dislocated anterior	1
<ul style="list-style-type: none">• Posterior dislocation	1

<i>Uveitis</i>	
Case	Number
<ul style="list-style-type: none">• Acute anterior and posterior uveitis.	3
<ul style="list-style-type: none">• Chronic uveitis	1
<ul style="list-style-type: none">• Intermediate uveitis pars planitis	1



<i>Eye in systemic diseases</i>	
Case	Number
• Ocular changes in diabetes	4
• Ocular changes in hypertension and atherosclerosis	1
• Ocular changes in Dysthyroid disease	1
• Ocular changes in Blood diseases (Leukaemia, Lymphoma, Anaemia, Sickle cell anaemia)	1
• Ocular changes in Collagen diseases, Ocular changes in Connective tissue diseases	1

<i>Neuro-Ophthalmology</i>	
Case	Number
• Congenital optic nerve abnormalitie	1
• Nystagmus	1
• Pupillary abnormalities	1
• Optic neuropathies	1

<i>Oculoplastic Surgery and Orbit</i>	
Case	Number
• Congenital eyelid deformities.	1
• Congenital orbital deformities.	1
• Common craniosynostoses and other congenital malformations .	1
• More advanced eyelid, orbital, and lacrimal trauma.	1
• Complicated cases of nasolacrimal duct obstruction	1
• Epiphora in children	4
• Canaliculitis, dacryocystitis, acute and chronic dacryoadenitis, preseptal cellulitis, and orbital cellulitis.	1
• Thyroid ophthalmopathy.	1
• Orbital inflammatory pseudotumor .	1
• Orbital tumors	1



Vitreoretinal	
Case	Number
• Retinal detachment primary and secondary	4
• macular diseases	1
• retinal vascular diseases	1
• others	1

<i>Pediatric ophthalmology & Strabismus</i>	
Case	Number
• strabismus esotropia, exotropia, vertical deviation	1
• Defective vision	1
• amblyopia.	1
• childhood nystagmus	1
• Retinopathy of prematurity	1
• ocular anomalies and syndromes	1
• Paediatric uveitis.	1
• Congenital epiphora	1

<i>Ocular Oncology</i>	
Case	Number
• Adenexal neoplasms lid tumours, Conjunctivae, Lacrimal gland tumours	1
• Retinoblastoma	1
• Malignant melanomas of the choroid	1



Clinical case presentation log (All over the three years)

Diagnosis of case	Number
Retinoscopy, refraction, contact lenses, refractive surgery, and low vision rehabilitation	
Difficult cases of refraction Irregular Astigmatism, keratoconus Post operative refraction, Post keratoplasty, Aphakic, post RD	1
Contact lenses for difficult cases (Difficult fitting)	1
Contact lenses for difficult cases (Difficult fitting)	1
Refractive surgery	1
Treatment of amblyopia	1
Low vision aids	1
Cornea, external diseases	
Red eye	1
Ocular Emergencies	1
Ocular trauma	1
Glaucoma	
Congenital glaucoma	1
Open angle glaucoma	1
Narrow angle glaucoma	1
Cataract	
Congenital cataract	1
Complicated cataract	1
Drug induced cataract	1
Cataract in systemic diseases	1
Uveitis	
Acute anterior and posterior uveitis.	1
Chronic and recurrent uveitis	1
Intermediate uveitis pars planitis.	1
Masquerade syndromes	1



Clinical case presentation log

Diagnosis of case	Number
Eye in systemic diseases	
Ocular changes in diabetes	1
Ocular changes in Hypertension and atherosclerosis	1
Ocular changes in thyroid diseases	1
Ocular changes in Blood diseases (Bleeding disorders Leukaemia Lymphomas Anaemia Sickle cell anaemia)	1
Ocular changes in Collagen diseases	1
Ocular changes in Connective tissue diseases	1
Sarcoidosis	1
Neuro-Ophthalmology	
Pupillary abnormalities	1
Optic neuropathies	1
Oculoplastic Surgery and Orbit	
congenital eyelid deformities	1
Epiphora in children	1
Thyroid ophthalmopathy	1
Orbital inflammatory pseudotumor	1
eyelid, orbital, and lacrimal trauma	1
Vitreo retinal diseases	
Retinal detachment primary and secondary	1
macular diseases	1
retinal vascular diseases	1
Paediatric ophthalmology and Strabismus	
Strabismus esotropia, exotropia. vertical deviation	1
amblyopia.	1
Retinoblastoma	
Ocular Oncology	
Adenexal neoplasms lid tumours, Conj tumours , Lacrimal gland tumours	1
Retinoblastoma	1
Malignant melanomas of the choroid	1



Procedure and Operation log

Retinoscopy, refraction, contact lenses, refractive surgery, and low vision rehabilitation procedures		
Procedure	Number	* Level of participation
Corneal topography	3	Level B3
Pachometry	5	Level B3
Red reflex examination	5	Level B5
Streak retinoscope use	5	Level B5
Keratometers	5	Level B5
Autorefractometer	2	Level A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
Fluorescein& Rose pingal staining of the cornea and conj	5	A
taking conj swabs	1	A
Placido disc examination keratoscopy	1	A
Examination by the slit lamp	10	B10
Prepare a smear from the cornea and conj for microbiology study	1	B1
Do shirmer test	2	B2
precorneal tear film break up time	2	B2
Corneal topography	4	B4
Pachometry	2	B4
injection of local anaesthesia for the lid and conj surgery	1	B1
removal of corneal &conj FB	2	B2
conj graft or flap or amniotic membrane for corneal ulcers	1	B1
application of corneal glue	1	B
stromal micropuncture	1	B
removal of Pterygium	4	B2 C2
subconj injection antibiotic steroid mrdricine	3	B3
electrocautery of the lashes	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
correction of ectropion snellens	5	B3 C2
correction of recurrent entropion	3	B3
correction of ectropion	3	B2 C1
correction of symblepharon	1	B1
curette evacuation of chlazion	1	B1
evacuation of stye	1	A
correction of ptosis	2	B1 C1
Simple repair of ocular trauma	4	B2 C2
Lid conj corneal corneoscleral	4	B2 C2
grafting perforated corneal ulcers	1	B1
therapeutic keratoplasty		
plastic surgery for madarosis	1	A
lid reconstruction trauma coloboma after removal of lid tumours	1	B1
Correction of recurrent ptosis	1	B
Correction of recurrent pterygium	1	B1
Tarsorrhaphy	2	B2

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Glaucoma		
Procedure	Number	* Level of participation
Different methods of measurement of the IOP	20	A10 B10
Mastering applanation tonometry	10	B10
Gonioscopy	10	A5 B 5
visual field mapping (automated)	10	A5 B5
OCT optic nerve and retina	6	A3 B3
laser iridectomy	1	B1
Trabeculectomy	5	A3 B2
Repeated trabeculectomy	3	B3

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cataract		
Procedure	Number	* Level of participation
Evaluate and classify common types of lens opacities.	10	A5 B5
Perform subjective refraction techniques and retinoscopy in patients with cataract.	10	A5 B5
Perform direct and indirect ophthalmoscopy pre-and post-cataract surgery.	10	A6 B4
Perform Ultrasonography	15	A10 B5
Perform Biometry	15	A10 B5
Local evaluation for cataract extraction	15	A5 B5 C5
ICCE	1	B1
Secondary IOL implantation	1	B1
Management of postoperative complications of cat ext.	5	A2 B3
phacoemulsification	2	A1 B1
Lenectomy	1	B1
Cat. in silicon filled eyes	1	B
Management of posteriorly dislocated lens fragments	1	B1
Cat. in children	2	B1 C1
Cat. with systemic diseases	1	B1
Cat. in relation to different types of trauma	1	B2

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Uveitis		
Procedure	Number	* Level of participation
Directed examination of the anterior and posterior segments for uveitis	6	A1 B5
Slit lamp biomicroscopy, scleral depression, magnified posterior segment exam, vitreous evaluation for cells).	6	A1 B5
Perform ancillary testing in the evaluation of uveitis (e.g., fluorescein angiography, ultrasound)	6	A1 B5
Prescribe steroids in the treatment of uveitis by various routes.	5	A
Evaluate and treat the complications of uveitis therapy (e.g., cataract, glaucoma)	3	B3
Administer immunosuppressive agents in uveitis	4	B4
Eye in systemic diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	5	A
OCT	5	A
US	5	A
Proptometry	5	A
Topical and systemic steroids		
uses of specific anti microbial drugs antifungal antiviral anti biotic	5	A
laser photocoagulation	10	A6 B4
simple vitrectomy	2	B2
lid suture	2	A
tarsorrhaphy	6	A1 B5

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Neuro-Ophthalmology		
Procedure	Number	* Level of participation
Perform a basic pupillary examination:		
perform basic pharmacologic pupillary testing	5	B5
Perform differential diagnosis of anisocoria Detection of light-near dissociation	2	B2
Perform a basic ocular motility examination:		
Perform a detailed cranial nerve evaluation	6	A4 B2
Assess ocular alignment using simple techniques	6	A3 B3
Describe and perform basic cover/uncover testing for tropia.	6	A3 B3
Describe and perform alternate cover testing for phoria.	6	A5 B3
Perform simultaneous prism and cover testing.	4	B4
Perform measurement of deviations with prisms.	2	B2
Describe the indications for and apply Fresnel and grind-in prisms.	2	B2
Describe the indications for and perform forced duction and forced generation testing.	1	B
Perform an assessment of saccade accuracy and pursuit and optokinetic testing.	1	B
Measurement of eyelid function .	2	A
Perform confrontational field testing.	2	A
Describe the indications for and perform basic Goldmann perimetry, and interpret results.	5	B5
Describe the indications for and perform basic automated perimetry, and interpret results	10	A5 B5
Perform and interpret a tangent screen test.	4	A1 B3
Perform basic direct, indirect, and magnified ophthalmoscopic examination of the optic disc.	3	A1 B2
Intravenous edrophonium (Tensilon) and Prostigmin tests for myasthenia gravis.	2	B2



Neuro-Ophthalmology

Procedure	Number	* Level of participation
Describe the evaluation, management, and specific testing of patients with "functional" (non-organic) visual loss (e.g., recognize non-organic spiral or tunnel visual fields).	1	B
More advanced interpretation of neuro-radiologic images .	2	B
CT MRI of the brain	4	1A-3B
Describe the indications for, perform, and list the complications of temporal artery biopsy	1	B
Dacryocystography	2	B2
thyroid function tests	2	B
excision of moderate sized and large benign eyelid lesions).	3	A1 B2
incision and drainage of recurrent or larger chalazia,	2	B3
incision and drainage of multiple chalazion	1	A
Treat retrobulbar hemorrhage,	1	B
Lacrimal drainage testing (irrigation, dye disappearance test).	6	A1 B5
Lacrimal intubation.	4	A1 B3
Dacryocystorhinostomy (external).	4	B4
Dacryocystectomy	4	A1 B3

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Oculoplastic Surgery and Orbit

Procedure	Number	* Level of participation
measurement of levator function,	4	B4
orbital ultrasound interpretation	4	B4
Identify indications for and perform more advanced assessment of eyelids and eyebrows.	3	A1 B2
Identify indications for and perform more advanced lacrimal assessment .	3	B3
Identify indications for and perform more advanced assessment of the orbit.	3	B3
Identify indications for and perform more advanced socket assessment.	3	B3
Recognize orbital trauma .	2	B2
Identify common orbital pathology	2	B2
Treat common presentations of preseptal or orbital cellulitis.	1	B2
Exophthalmometry	5	A
Investigation of epiphora probing syringing	6	A1 B5
orbit magnetic resonance imaging,	5	B5
Computed tomography, ultrasound -	6	A1 B5

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Vitreoretinal diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	12	A2 B10
OCT techniques	4	A1 B3
Ultrasound	25	A5 B20
Direct and indirect ophthalmoscopy scleral indentation	25	A5 B20
Perform fundus drawings of the retina, showing complex vitreoretinal relationships and findings	20	A5 B15
Using different fundus viewing lenses	15	A5 B10
Amsler Grid	7	A1 B2

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Paediatric ophthalmology and Strabismus		
Procedure	Number	* Level of participation
Perform more advanced measurements of strabismus .	2	B2
Perform assessment of vision in more difficult strabismus patients .	2	B2
Perform preoperative assessment of strabismus	4	A1 B3
EUA for		
IOP	4	A
Angle exam	4	B4
Examination of the retina	6	A1 B5
Lens exam	4	A1 B3
Investigation of epiphora	4	A1 B3
US	15	A5 B10
Perform the following strabismus surgeries:Resection	6	A1 B5
Recession	6	A1 B5



Ocular Oncology		
Procedure	Number	* Level of participation
enucleation	2	B2
excision biopsy	1	B
vit. tap	1	B
AC tap	1	A
excision of lid, conjunctival, and corneal tumours	1	B1

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



Year 2

(11 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Ophthalmology	11	Ophthalmology	Year 2	50% of the didactics
	7		Topics and attendance	63.6%
	2		20 hours <i>Retinoscopy ,refraction, contact lenses, refractive surgery, and low vision rehabilitation</i>	
	1		10 Hours <i>Cornea, external diseases</i>	
	1.5		15 hours <i>Glaucoma</i>	
	1.5		15 hours <i>Cataract</i>	
	1		10 hours <i>Uveitis</i>	
	2		Seminars ➤ Attendance of at least 50% of the clinical seminars ➤ Seminar / week for 30 weeks ➤ Presentation of at least 1 time in the seminar	18.2%
	1		Conference or workshop	9.1%
	1		Formative assessment	9.1%
Student signature			Principle coordinator Signature	Head of the department Signature

● Each topic include Eye Medicine , Eye Surgery



(48 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Ophthalmology department	16	Ophthalmology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 4 month in the department including their laboratory investigation and treatment ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	33.5%
	7		➤ Night shift (From 2pm to 8am) 1/week for 14 weeks	15%
	4		➤ Attendance of at least 4 weeks in the Outpatient clinic	8.5 %
	8		➤ Practice in operative room for at least 3 weeks	16.5%
	8		➤ Practice in investigation unit for at least 3 weeks	16.5%
	2		➤ Attendance of clinical rounds (2 hours /week for 30 week)	4%
	3		➤ Formative assessment	6%
Student signature			Principle coordinator Signature	Head of the department Signature



Clinical case log

<i>Retinoscopy , refraction, contact lenses, refractive surgery, and low vision rehabilitation</i>	
Case	Number
Refraction in Myopia	2
Refraction in Hypermetropia	2
Refraction in Irregular Astigmatism	2
Refraction in keratoconus	2
Refraction in presbyopia	2
Post operative refraction (Post keratoplasty, Aphakic, post RD)	2
Contact lenses (Contact lenses for difficult cases)	2
Refractive surgery PRK LASIK LASEK (observation)	2
Treatment of amblyopia	2



Cornea, external diseases

Case	Number	Case	Number
Corneal ulcer Infective (bacterial, viral, fungal) Non infective allergic, degenerative, ischaemic	2	Ectropion	1
corneal dystrophies	1	Ptosis	1
Keratoconus	1	degenerative lesions pterygium pinguecula	1
dermatochalasis, blepharochalasis, blepharofimosis	1	Xerosis	1
inflammatory lesions of the skin of the lid	3	anterior segment trauma blunt trauma perforating trauma chemical injuries	2
chlazion, styne	1		
different types of blepharitis	1		
lid margin deformities	1		
entropion, trichiasis ,	1		



<i>Glaucoma</i>	
Case	Number
<ul style="list-style-type: none">• Primary congenital glaucoma• secondary congenital glaucoma	2
<ul style="list-style-type: none">• Primary angle closure glaucoma• secondary angle closure glaucoma	3
<ul style="list-style-type: none">• Primary open angle glaucoma• secondary open angle glaucoma	3
<ul style="list-style-type: none">• traumatic glaucoma	2

<i>Cataract</i>	
Case	Number
<ul style="list-style-type: none">• Congenital cataract	3
<ul style="list-style-type: none">• Senile cataract	3
<ul style="list-style-type: none">• Complicated cataract	1
<ul style="list-style-type: none">• Drug induced cataract	1
<ul style="list-style-type: none">• Cataract in systemic diseases	1
<ul style="list-style-type: none">• Dislocated anterior	1
<ul style="list-style-type: none">• Posterior dislocation	1

<i>Uveitis</i>	
Case	Number
<ul style="list-style-type: none">• Acute anterior and posterior uveitis.	1
<ul style="list-style-type: none">• Chronic uveitis	1
<ul style="list-style-type: none">• Intermediate uveitis pars planitis	1



<i>Eye in systemic diseases</i>	
Case	Number
• Ocular changes in diabetes	2
• Ocular changes in hypertension and atherosclerosis	2
• Ocular changes in Dysthyroid disease	2
• Ocular changes in Blood diseases (Leukaemia, Lymphoma, Anaemia, Sickle cell anaemia)	1
• Ocular changes in Collagen diseases, Ocular changes in Connective tissue diseases	1

<i>Neuro-Ophthalmology</i>	
Case	Number
• Congenital optic nerve abnormalitie	1
• Nystagmus	1
• Pupillary abnormalities	1
• Optic neuropathies	1

<i>Oculoplastic Surgery and Orbit</i>	
Case	Number
• Congenital eyelid deformities.	1
• Congenital orbital deformities.	1
• Common craniosynostoses and other congenital malformations .	1
• More advanced eyelid, orbital, and lacrimal trauma.	1
• Complicated cases of nasolacrimal duct obstruction	1
• Epiphora in children	3
• Canaliculitis, dacryocystitis, acute and chronic dacryoadenitis, preseptal cellulitis, and orbital cellulitis.	1
• Thyroid ophthalmopathy.	1
• Orbital inflammatory pseudotumor .	1
• Orbital tumors	1



Vitreoretinal	
Case	Number
• Retinal detachment primary and secondary	3
• macular diseases	1
• retinal vascular diseases	2
• others	1

<i>Pediatric ophthalmology & Strabismus</i>	
Case	Number
• strabismus esotropia, exotropia, vertical deviation	2
• Defective vision	1
• amblyopia.	1
• childhood nystagmus	1
• Retinopathy of prematurity	1
• ocular anomalies and syndromes	1
• Paediatric uveitis.	1
• Congenital epiphora	2

<i>Ocular Oncology</i>	
Case	Number
• Adenexal neoplasms lid tumours, Conj tumours , Lacrimal gland tumours	2
• Retinoblastoma	1
• Malignant melanomas of the choroid	1



Procedure and Operation log

Retinoscopy, refraction, contact lenses, refractive surgery, and low vision rehabilitation procedures		
Procedure	Number	* Level of participation
Corneal topography	2	Level A
Pachometry	2	Level A
Red reflex examination	5	Level A
Streak retinoscope use	5	Level A
Keratometers	5	Level A
Autorefractometer	2	Level A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
Fluorescein& Rose pingal staining of the cornea and conj	5	A
taking conj swabs	1	A
Placido disc examination keratoscopy	1	A
Examination by the slit lamp	10	A
Prepare a smear from the cornea and conj for microbiology study	1	A
Do shirmer test	2	A
precorneal tear film break up time	2	A
Corneal topography	2	A
Pachometry	2	A
injection of local anaesthesia for the lid and conj surgery	2	A
removal of corneal &conj FB	2	A
conj graft or flap or amniotic membrane for corneal ulcers	1	A
application of corneal glue	1	B
stromal micropuncture	1	B
removal of Pterygium	2	A
subconj injection antibiotic steroid mrdracaine	2	A
electrocautery of the lashes	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
correction of ectropion snellens	2	A
correction of recurrent entropion	1	A
correction of ectropion	1	A
correction of symblepharon	1	A
curette evacuation of chlazion	1	A
evacuation of stye	1	A
correction of ptosis	1	A
Simple repair of ocular trauma	2	A
Lid conj corneal corneoscleral	2	A
grafting perforated corneal ulcers	1	A
therapeutic keratoplasty		
plastic surgery for madarosis	1	A
lid reconstruction trauma coloboma after removal of lid tumours	1	A
Correction of recurrent ptosis	1	B
Correction of recurrent pterygium	1	A
Tarsorrhaphy	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Glaucoma		
Procedure	Number	* Level of participation
Different methods of measurement of the IOP	10	A
Mastering applanation tonometry	5	A
Gonioscopy	5	A
visual field mapping (automated)	5	A
OCT optic nerve and retina	2	A
laser iridectomy	1	A
Trabeculectomy	5	A
Repeated trabeculectomy	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cataract		
Procedure	Number	* Level of participation
Evaluate and classify common types of lens opacities.	5	A
Perform subjective refraction techniques and retinoscopy in patients with cataract.	5	A
Perform direct and indirect ophthalmoscopy pre-and post-cataract surgery.	4	A
Perform Ultrasonography	10	A
Perform Biometry	10	A
Local evaluation for cataract extraction	5	A
ICCE	1	A
Secondary IOL implantation	1	A
Management of postoperative complications of cat ext.	10	A
phacoemulsification	1	A
Lensectomy	1	A
Cat. in silicon filled eyes	1	B
Management of posteriorly dislocated lens fragments	1	B
Cat. in children	1	A
Cat. with systemic diseases	1	A
Cat. in relation to different types of trauma	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Uveitis		
Procedure	Number	* Level of participation
Directed examination of the anterior and posterior segments for uveitis	2	A
Slit lamp biomicroscopy, scleral depression, magnified posterior segment exam, vitreous evaluation for cells).	2	A
Perform ancillary testing in the evaluation of uveitis (e.g., fluorescein angiography, ultrasound)	2	A
Prescribe steroids in the treatment of uveitis by various routes.	5	A
Evaluate and treat the complications of uveitis therapy (e.g., cataract, glaucoma)	2	A
Administer immunosuppressive agents in uveitis	2	A
Eye in systemic diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	5	A
OCT	5	A
US	10	A
Proptometry	4	A
Topical and systemic steroids		
uses of specific anti microbial drugs antifungal antiviral anti biotic	5	A
laser photocoagulation	3	A
simple vitrectomy	3	A
lid suture	2	A
tarsorrhaphy	2	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Neuro-Ophthalmology		
Procedure	Number	* Level of participation
Perform a basic pupillary examination:		
perform basic pharmacologic pupillary testing	2	A
Perform differential diagnosis of anisocoria Detection of light-near dissociation	1	A
Perform a basic ocular motility examination:		
Perform a detailed cranial nerve evaluation	4	A
Assess ocular alignment using simple techniques	4	A
Describe and perform basic cover/uncover testing for tropia.	4	A
Describe and perform alternate cover testing for phoria.	4	A
Perform simultaneous prism and cover testing.	1	A
Perform measurement of deviations with prisms.	1	A
Describe the indications for and apply Fresnel and grind-in prisms.	1	A
Describe the indications for and perform forced duction and forced generation testing.	1	B
Perform an assessment of saccade accuracy and pursuit and optokinetic testing.	1	B
Measurement of eyelid function .	2	A
Perform confrontational field testing.	2	A
Describe the indications for and perform basic Goldmann perimetry, and interpret results.	1	A
Describe the indications for and perform basic automated perimetry, and interpret results	2	A
Perform and interpret a tangent screen test.	1	A
Perform basic direct, indirect, and magnified ophthalmoscopic examination of the optic disc.	1	A
Intravenous edrophonium (Tensilon) and Prostigmin tests for myasthenia gravis.	1	A



Neuro-Ophthalmology

Procedure	Number	* Level of participation
Describe the evaluation, management, and specific testing of patients with "functional" (non-organic) visual loss (e.g., recognize non-organic spiral or tunnel visual fields).	1	B
More advanced interpretation of neuro-radiologic images .	1	B
CT MRI of the brain	1	A
Describe the indications for, perform, and list the complications of temporal artery biopsy	1	B
Dacryocystography	1	A
thyroid function tests	1	B
excision of moderate sized and large benign eyelid lesions).	1	A
incision and drainage of recurrent or larger chalazia,	1	A
incision and drainage of multiple chalazion	1	A
Treat retrobulbar hemorrhage,	1	B
Lacrimal drainage testing (irrigation, dye disappearance test).	1	A
Lacrimal intubation.	1	A
Dacryocystorhinostomy (external).	1	A
Dacryocystectomy	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Oculoplastic Surgery and Orbit

Procedure	Number	* Level of participation
measurement of levator function,	2	A
orbital ultrasound interpretation	2	A
Identify indications for and perform more advanced assessment of eyelids and eyebrows.	1	A
Identify indications for and perform more advanced lacrimal assessment .	1	A
Identify indications for and perform more advanced assessment of the orbit.	1	A
Identify indications for and perform more advanced socket assessment.	1	A
Recognize orbital trauma .	1	A
Identify common orbital pathology	1	A
Treat common presentations of preseptal or orbital cellulitis.	1	A
Exophthalmometry	5	A
Investigation of epiphora probing syringing	2	A
orbit magnetic resonance imaging,	2	A
Computed tomography, ultrasound -	2	A

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



Vitreoretinal diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	5	A
OCT techniques	1	A
Ultrasound	10	A
Direct and indirect ophthalmoscopy scleral indentation	10	A
Perform fundus drawings of the retina, showing complex vitreoretinal relationships and findings	10	A
Using different fundus viewing lenses	5	A
Amsler Grid	2	A

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



Paediatric ophthalmology and Strabismus		
Procedure	Number	* Level of participation
Perform more advanced measurements of strabismus.	1	A
Perform assessment of vision in more difficult strabismus patients.	1	A
Perform preoperative assessment of strabismus	2	A
EUA for		
IOP	4	A
Angle exam	1	A
Examination of the retina	2	A
Lens exam	2	A
Investigation of epiphora	2	A
US	5	A
Perform the following strabismus surgeries:Resection	2	A
Recession	2	A



Ocular Oncology		
Procedure	Number	* Level of participation
enucleation	1	A
excision biopsy	1	B
vit. tap	1	B
AC tap	1	A
excision of lid, conjunctival, and corneal tumours	1	A

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



Year 3
(10 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Ophthalmology	10	Ophthalmology	Year 2	50% of the didactics
	6		Topics and attendance	60%
	1		20 hours Eye in systemic diseases	
	1		10 Hours Neuro-Ophthalmology	
	1		20 hours Oculoplastic Surgery and Orbit	
	1		20 hours Vitreoretinal	
	1		10 hours Pediatric ophthalmology & Strabismus	
	1		10 hours Ocular Oncology	
	2		Seminars ➤ Attendance of at least 50% of the clinical seminars ➤ Seminar / week for 30 weeks ➤ Presentation of at least 1 time in the seminar	20%
	1		Conference or workshop	10%
	1		Formative assessment	10%
	Student signature			

● Each topic include Eye Medicine , Eye Surgery



(48 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Ophthalmology department	16	Ophthalmology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 4 month in the department including their laboratory investigation and treatment ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	33.5%
	7		➤ Night shift (From 2pm to 8am) 1/week for 14 weeks	15%
	4		➤ Attendance of at least 4 weeks in the Outpatient clinic	8.5 %
	8		➤ Practice in operative room for at least 3 weeks	16.5%
	8		➤ Practice in investigation unit for at least 3 weeks	16.5%
	2		➤ Attendance of clinical rounds (2 hours /week for 30 week)	4%
	3		➤ Formative assessment	6%
Student signature			Principle coordinator Signature	Head of the department signature



Clinical case log

<i>Retinoscopy , refraction, contact lenses, refractive surgery, and low vision rehabilitation</i>	
Case	Number
Refraction in Myopia	2
Refraction in Hypermetropia	2
Refraction in Irregular Astigmatism	2
Refraction in keratoconus	2
Refraction in presbyopia	2
Post operative refraction (Post keratoplasty, Aphakic, post RD)	2
Contact lenses (Contact lenses for difficult cases)	2
Refractive surgery PRK LASIK LASEK (observation)	2
Treatment of amblyopia	2



Cornea, external diseases

Case	Number	Case	Number
Corneal ulcer Infective (bacterial, viral, fungal) Non infective allergic, degenerative, ischaemic	2	Ectropion	1
corneal dystrophies	1	Ptosis	1
Keratoconus	1	degenerative lesions pterygium pinguecula	1
dermatochalasis, blepharochalasis, blepharofimosis	1	Xerosis	1
inflammatory lesions of the skin of the lid	3	anterior segment trauma blunt trauma perforating trauma chemical injuries	2
chlazion, stye	1		
different types of blepharitis	1		
lid margin deformities	1		
entropion, trichiasis ,	1		



<i>Glaucoma</i>	
Case	Number
<ul style="list-style-type: none">• Primary congenital glaucoma• secondary congenital glaucoma	2
<ul style="list-style-type: none">• Primary angle closure glaucoma• secondary angle closure glaucoma	3
<ul style="list-style-type: none">• Primary open angle glaucoma• secondary open angle glaucoma	3
<ul style="list-style-type: none">• traumatic glaucoma	2

<i>Cataract</i>	
Case	Number
<ul style="list-style-type: none">• Congenital cataract	3
<ul style="list-style-type: none">• Senile cataract	3
<ul style="list-style-type: none">• Complicated cataract	1
<ul style="list-style-type: none">• Drug induced cataract	1
<ul style="list-style-type: none">• Cataract in systemic diseases	1
<ul style="list-style-type: none">• Dislocated anterior	1
<ul style="list-style-type: none">• Posterior dislocation	1

<i>Uveitis</i>	
Case	Number
<ul style="list-style-type: none">• Acute anterior and posterior uveitis.	1
<ul style="list-style-type: none">• Chronic uveitis	1
<ul style="list-style-type: none">• Intermediate uveitis pars planitis	1



<i>Eye in systemic diseases</i>	
Case	Number
• Ocular changes in diabetes	2
• Ocular changes in hypertension and atherosclerosis	2
• Ocular changes in Dysthyroid disease	2
• Ocular changes in Blood diseases (Leukaemia, Lymphoma, Anaemia, Sickle cell anaemia)	1
• Ocular changes in Collagen diseases, Ocular changes in Connective tissue diseases	1

<i>Neuro-Ophthalmology</i>	
Case	Number
• Congenital optic nerve abnormalitie	1
• Nystagmus	1
• Pupillary abnormalities	1
• Optic neuropathies	1

<i>Oculoplastic Surgery and Orbit</i>	
Case	Number
• Congenital eyelid deformities.	1
• Congenital orbital deformities.	1
• Common craniosynostoses and other congenital malformation	1
• More advanced eyelid, orbital, and lacrimal trauma.	1
• Complicated cases of nasolacrimal duct obstruction	1
• Epiphora in children	3
• Canaliculitis, dacryocystitis, acute and chronic dacryoadenitis, preseptal cellulitis, and orbital cellulitis.	1
• Thyroid ophthalmopathy.	1
• Orbital inflammatory pseudotumor .	1
• Orbital tumors	1



Vitreoretinal	
Case	Number
• Retinal detachment primary and secondary	3
• macular diseases	1
• retinal vascular diseases	2
• others	1

<i>Pediatric ophthalmology & Strabismus</i>	
Case	Number
• strabismus esotropia, exotropia, vertical deviation	2
• Defective vision	1
• amblyopia.	1
• childhood nystagmus	1
• Retinopathy of prematurity	1
• ocular anomalies and syndromes	1
• Paediatric uveitis.	1
• Congenital epiphora	2

<i>Ocular Oncology</i>	
Case	Number
• Adenexal neoplasms lid tumours, Conjunctivae, Lacrimal gland tumours	2
• Retinoblastoma	1
• Malignant melanomas of the choroid	1



Procedure and Operation log

Retinoscopy, refraction, contact lenses, refractive surgery, and low vision rehabilitation procedures		
Procedure	Number	* Level of participation
Corneal topography	2	Level A
Pachometry	2	Level A
Red reflex examination	5	Level A
Streak retinoscope use	5	Level A
Keratometers	5	Level A
Autorefractometer	2	Level A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
Fluorescein& Rose pingal staining of the cornea and conj	5	A
taking conj swabs	1	A
Placido disc examination keratoscopy	1	A
Examination by the slit lamp	10	A
Prepare a smear from the cornea and conj for microbiology study	1	A
Do shirmer test	2	A
precorneal tear film break up time	2	A
Corneal topography	2	A
Pachometry	2	A
injection of local anaesthesia for the lid and conj surgery	2	A
removal of corneal &conj FB	2	A
conj graft or flap or amniotic membrane for corneal ulcers	1	A
application of corneal glue	1	B
stromal micropuncture	1	B
removal of Pterygium	2	A
subconj injection antibiotic steroid mdricaine	2	A
electrocautery of the lashes	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cornea, external diseases		
Procedure	Number	* Level of participation
correction of ectropion snellens	2	A
correction of recurrent entropion	1	A
correction of ectropion	1	A
correction of symblepharon	1	A
curette evacuation of chlazion	1	A
evacuation of stye	1	A
correction of ptosis	1	A
Simple repair of ocular trauma	2	A
Lid conj corneal corneoscleral	2	A
grafting perforated corneal ulcers	1	A
therapeutic keratoplasty		
plastic surgery for madarosis	1	A
lid reconstruction trauma coloboma after removal of lid tumours	1	A
Correction of recurrent ptosis	1	B
Correction of recurrent pterygium	1	A
Tarsorrhaphy	1	A

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



Glaucoma		
Procedure	Number	* Level of participation
Different methods of measurement of the IOP	10	A
Mastering applanation tonometry	5	A
Gonioscopy	5	A
visual field mapping (automated)	5	A
OCT optic nerve and retina	2	A
laser iridectomy	1	A
Trabeculectomy	5	A
Repeated trabeculectomy	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Cataract		
Procedure	Number	* Level of participation
Evaluate and classify common types of lens opacities.	5	A
Perform subjective refraction techniques and retinoscopy in patients with cataract.	5	A
Perform direct and indirect ophthalmoscopy pre-and post-cataract surgery.	4	A
Perform Ultrasonography	10	A
Perform Biometry	10	A
Local evaluation for cataract extraction	5	A
ICCE	1	A
Secondary IOL implantation	1	A
Management of postoperative complications of cat ext.	10	A
phacoemulsification	1	A
Lenectomy	1	A
Cat. in silicon filled eyes	1	B
Management of posteriorly dislocated lens fragments	1	B
Cat. in children	1	A
Cat. with systemic diseases	1	A
Cat. in relation to different types of trauma	1	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Uveitis		
Procedure	Number	* Level of participation
Directed examination of the anterior and posterior segments for uveitis	2	A
Slit lamp biomicroscopy, scleral depression, magnified posterior segment exam, vitreous evaluation for cells).	2	A
Perform ancillary testing in the evaluation of uveitis (e.g., fluorescein angiography, ultrasound)	2	A
Prescribe steroids in the treatment of uveitis by various routes.	5	A
Evaluate and treat the complications of uveitis therapy (e.g., cataract, glaucoma)	2	A
Administer immunosuppressive agents in uveitis	2	A
Eye in systemic diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	5	A
OCT	5	A
US	10	A
Proptometry	4	A
Topical and systemic steroids		
uses of specific anti microbial drugs antifungal antiviral anti biotic	5	A
laser photocoagulation	3	A
simple vitrectomy	3	A
lid suture	2	A
tarsorrhaphy	2	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Neuro-Ophthalmology		
Procedure	Number	* Level of participation
Perform a basic pupillary examination:		
perform basic pharmacologic pupillary testing	2	A
Perform differential diagnosis of anisocoria Detection of light-near dissociation	1	A
Perform a basic ocular motility examination:		
Perform a detailed cranial nerve evaluation	4	A
Assess ocular alignment using simple techniques	4	A
Describe and perform basic cover/uncover testing for tropia.	4	A
Describe and perform alternate cover testing for phoria.	4	A
Perform simultaneous prism and cover testing.	1	A
Perform measurement of deviations with prisms.	1	A
Describe the indications for and apply Fresnel and grind-in prisms.	1	A
Describe the indications for and perform forced duction and forced generation testing.	1	B
Perform an assessment of saccade accuracy and pursuit and optokinetic testing.	1	B
Measurement of eyelid function .	2	A
Perform confrontational field testing.	2	A
Describe the indications for and perform basic Goldmann perimetry, and interpret results.	1	A
Describe the indications for and perform basic automated perimetry, and interpret results	2	A
Perform and interpret a tangent screen test.	1	A
Perform basic direct, indirect, and magnified ophthalmoscopic examination of the optic disc.	1	A
Intravenous edrophonium (Tensilon) and Prostigmin tests for myasthenia gravis.	1	A



Neuro-Ophthalmology		
Procedure	Number	* Level of participation
Describe the evaluation, management, and specific testing of patients with "functional" (non-organic) visual loss (e.g., recognize non-organic spiral or tunnel visual fields).	1	B
More advanced interpretation of neuro-radiologic images .	1	B
CT MRI of the brain	1	A
Describe the indications for, perform, and list the complications of temporal artery biopsy	1	B
Dacryocystography	1	A
thyroid function tests	1	B
excision of moderate sized and large benign eyelid lesions).	1	A
incision and drainage of recurrent or larger chalazia,	1	A
incision and drainage of multiple chalazion	1	A
Treat retrobulbar hemorrhage,	1	B
Lacrimal drainage testing (irrigation, dye disappearance test).	1	A
Lacrimal intubation.	1	A
Dacryocystorhinostomy (external).	1	A
Dacryocystectomy	1	A

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



Oculoplastic Surgery and Orbit

Procedure	Number	* Level of participation
measurement of levator function,	2	A
orbital ultrasound interpretation	2	A
Identify indications for and perform more advanced assessment of eyelids and eyebrows.	1	A
Identify indications for and perform more advanced lacrimal assessment .	1	A
Identify indications for and perform more advanced assessment of the orbit.	1	A
Identify indications for and perform more advanced socket assessment.	1	A
Recognize orbital trauma .	1	A
Identify common orbital pathology	1	A
Treat common presentations of preseptal or orbital cellulitis.	1	A
Exophthalmometry	5	A
Investigation of epiphora probing syringing	2	A
orbit magnetic resonance imaging,	2	A
Computed tomography, ultrasound -	2	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Vitreoretinal diseases		
Procedure	Number	* Level of participation
Fluorescein angiography	5	A
OCT techniques	1	A
Ultrasound	10	A
Direct and indirect ophthalmoscopy scleral indentation	10	A
Perform fundus drawings of the retina, showing complex vitreoretinal relationships and findings	10	A
Using different fundus viewing lenses	5	A
Amsler Grid	2	A

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



Paediatric ophthalmology and Strabismus		
Procedure	Number	* Level of participation
Perform more advanced measurements of strabismus .	1	A
Perform assessment of vision in more difficult strabismus patients .	1	A
Perform preoperative assessment of strabismus	2	A
EUA for		
IOP	4	A
Angle exam	1	A
Examination of the retina	2	A
Lens exam	2	A
Investigation of epiphora	2	A
US	5	A
Perform the following strabismus surgeries:Resection	2	A
Recession	2	A



A-Attendance, Outpatient clinic, Case log and Night Shift

Attendance (Department, Operative room and Investigation room)

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor



Outpatient clinic

Date/ Duration from -to	Signature of supervisor	Date/ Duration from -to	Signature of supervisor



Clinical case log

H N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



Clinical case log

H N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

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 A- Plan and carry out
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**Ophthalmology Department
Faculty of Medicine**

Clinical case log

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Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



Procedures and Operations log book

H N	Procedure	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



Procedures and operations log book

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* Level of competency

A- Independent performance

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Procedures and operations log book

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Academic activities

Lecture, journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-

- A- Attendance
- B- Organization
- C- Presentation



Academic activities

Lecture, journal club, conference, workshop

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Academic activities

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Activity	Your role **	Date	Signature of supervisor

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A- Attendance
B- Organization
C- Presentation



Eye Pathology

Requirements

- Credit points: 3 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology & Microbiology	0.75	Ophthalmology and Pathology	5 hours <ul style="list-style-type: none"> • Eyelid • Conjunctiva • Cornea 	25%
	0.75		5 hours <ul style="list-style-type: none"> • iris • Lens • Ciliary body • Ciliary processes 	25%
	0.75		5 hours <ul style="list-style-type: none"> • Anterior chamber angle • Sclera and episcleral structures • Vitreous • Orbit 	25%
	0.75		5 hours <ul style="list-style-type: none"> • Optic nerve • Visual Pathway • Macula • Retina • Choroids 	25%
Student signature			Principle coordinator signature	Head of the department signature



Postgraduate student's program
Rotation in training assessment

* *Name:*

* *Period of training From:*

To:

* *Site:*

***Rotation**

General skills	could not judge (0)	strongly disagree(1)	↩ (2) (3)		↩ (4) (5)		↩ (6) (7)		strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).									
Appraises evidence from scientific studies.									
Conduct epidemiological studies and surveys.									
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.									



General skills	could not judge (0)	strongly disagree(1)	↩ ↪		↩ ↪		strongly agree (7)
			(2)	(3)	(4)	(5)	
Facilitate learning of students other health care professionals including their evaluation and assessment.							
Maintain therapeutic and ethically sound relationship with patients.							
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.							
Provide information using effective nonverbal, explanatory, questioning, and writing skills.							
Work effectively with others as a member of a health care team or other professional group.							
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.							
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.							



General skills	could not judge (0)	strongly disagree(1)	↔		↔		strongly agree (7)
			(2)	(3)	(4)	(5)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.							
Work effectively in relevant health care delivery settings and systems including good administrative and time management							
Practice cost-effective health care and resource allocation that does not compromise quality of care.							
Assist patients in dealing with system complexities.							



Elective Course

Requirements

● **Credit points:** 2 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management



Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

*Degree

- A- Excellent
- B- Very good
- C- Good
- D- Pass



الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1-

2-

3

4-

تاريخ القيد لدرجة : / /

تاريخ التسجيل الموضوع:

المتابعة الدورية :

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين



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Ophthalmology Department
Faculty of Medicine

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1			
Course 2			
Course 3			
Course 4			
Course 5			
Second Part			
Course 6			
- Elective Course (1) Certificate Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Ophthalmology M Sc Degree Principle Coordinator:			
Date approved by Ophthalmology Department Council:			

يعتمد ،
رئيس القسم
أ.د.