

Department of Ophthalmology

Period : 02/July/18 to 30/August/18

Semester : 7th Semester

Lecture Lesson Plan

Sr. No.	Date	Topic	Lesson plan	Name of Faculty
1	02.07.18	Lens- Anatomy, Classification of Cataract	Lens-Anatomy, Classification of Cataract <ul style="list-style-type: none">• To acquaint the students to this commonest ocular condition	Dr. R Magdum
2	03.07.18	Congenital Cataract & Developmental Cataract	Congenital Cataract, Developmental Cataract <ul style="list-style-type: none">• Discuss in detail the anatomy of lens and classification of cataract	Dr. R Magdum
3	05.07.18	Senile Cataract & Management of Cataract	Senile Cataract, Management of Cataract <ul style="list-style-type: none">• Familiarize the students to diagnose mature/immature cataract	Dr. R Magdum
4	07.07.18	Post Operative Complications of Cataract Surgery	Post Operative Complications <ul style="list-style-type: none">• Show images and videos of the various types of cataract	Dr. R Magdum
5	9.07.18	Recent Advances in Cataract Surgery	Recent Advances in Cataract Surgeries <ul style="list-style-type: none">• Discuss the post operative complications of cataract surgery and recent advances in cataract surgery.	Dr. R Magdum
6	10.07.18	Glaucoma- Classification & Aqueous Humor Dynamics	Glaucoma – Classification, Aqueous humour dynamics <ul style="list-style-type: none">• Definition of glaucoma• Aqueous humour formation• Aqueous humour outflow• Factors influencing IOP TonographyTonometry	Dr. A. Lune
7	12.07.18	Primary Open Angle Glaucoma	Primary Open Angle Glaucoma <ul style="list-style-type: none">• Epidemiology• Etiopathogenesis• Clinical features• Symptoms• Signs	Dr. A. Lune

			<ul style="list-style-type: none"> • Visual field defects • Investigations • Treatment • Medical • Surgical Lasers	
8	14.07.18	Primary Angle Closure Glaucoma	Primary Angle Closure Glaucoma <ul style="list-style-type: none"> • Epidemiology • Aetiopathogenesis • Classification • Clinical features including features of acute PACG • Treatment • Medical • Surgical • Lasers 	Dr. A. Lune
9	16.07.18	Congenital Glaucoma & Secondary Glaucoma	Congenital Glaucoma and Secondary Glaucoma <ul style="list-style-type: none"> • Terminology • Epidemiology • Types • Clinical features • Treatment • Medical • Surgical • Lasers 	Dr. A. Lune
10	17.07.18	Recent Advances in Glaucoma	Recent Advances in Glaucoma <ul style="list-style-type: none"> • Advances in drugs • Advances in visual field evaluation • Advances in tonometry • Advances in lasers and surgical management of glaucoma 	Dr. A. Lune
11	19.07.18	Cornea- Anatomy, Physiology & Transparency	Cornea-Anatomy, Physiology & Transparency <ul style="list-style-type: none"> • Importance of cornea in vision • Different anatomical layers and their function • Blood supply, nerve supply of cornea • Factors maintaining corneal transparency 	Dr. O. K. Radhakrishnan
12	21.07.18	Corneal Ulcer-	Corneal Ulcer-Bacterial & Fungal <ul style="list-style-type: none"> • Factors protecting the normal cornea 	Dr. O. K. Radhakrishnan

		Bacterial & Fungal	<ul style="list-style-type: none"> • Etiology and clinical feature of bacterial corneal ulcer • Etiology and clinical features of fungal corneal ulcer • Bacteriological Investigations • Differentiating features 	
13	23.07.18	Viral Keratitis & Nutritional Deficiency	<p>Viral Keratitis, Nutritional Deficiency</p> <ul style="list-style-type: none"> • Etiology of viral keratitis • Herpes simplex keratitis –clinical features • Management of HSV keratitis • Herpes Zoster Keratitis • Management of HZO • Keratomalacia-clinical faatures and management 	Dr. O. K. Radhakrishnan
14	24.07.18	Corneal Dystrophies & Degenerations	<p>Corneal Dystrophies & Degenerations</p> <ul style="list-style-type: none"> • Dystrophy versus degeneration • Epithelial dystrophies • Stromal dystrophies • Endothelial dystrophies • Corneal degeneration • Summary/Must know 	Dr. O. K. Radhakrishnan
15	26.07.18	Keratoplasty & Eye Banking	<p>Keratoplasty & Eye Banking</p> <ul style="list-style-type: none"> • Burden of corneal blindness • Indications of keratoplasty • Eye Donation • Procedure of Keratoplasty • Complications of Keratoplasty • Summary/Must know 	Dr. O. K. Radhakrishnan
16	28.07.18	Anatomy & Physiology of Retina	<p>Anatomy & Physiology of Retina</p> <ul style="list-style-type: none"> • Anatomy of Retina • Neuro Sensory Retina • Retinal Pigment Epithilium • Macula lutea • Physiology of retina • Examination of the Fundus • Direct and Indirect Ophthalmoscope • Colour coding 	Dr. R. Paranjpe
17	30.07.18	Hypertensive Retinopathy & Diabetic Retinopathy	<p>Hypertensive Retinopathy & Diabetic Retinopathy</p> <ul style="list-style-type: none"> • Diabetic Retinopathy • Definition 	Dr. R. Paranjpe

			<ul style="list-style-type: none"> • Epidemiology • Pathogenesis • Classification • Clinical features • Management • Hypertensive Retinopathy • Definition • Epidemiology • Pathogenesis • Classification • Clinical features • Management 	
18	31.07.18	ARMD & Retinal Dystrophies Retinitis Pigmentosa	ARMD, Retinal Dystrophies, Retinitis Pigmentosa <ul style="list-style-type: none"> • Age related macular degeneration • Definition • Epidemiology • Pathogenesis • Classification • Clinical features • Management • Vascular Occlusions of Retina (short notes) • CRVO 	Dr. R. Paranjpe
19	02.08.18	Retinal Detachment	Retinal Detachment <ul style="list-style-type: none"> • Retinal detachment • Definition • Epidemiology • Pathogenesis • Classification • Clinical features • Management 	Dr. R. Paranjpe
20	04.08.18	Vitreous – Anatomy,PVD, Vitreous Hg & Degeneration	Vitreous-Anatomy, Posterior, Vitreour Detachment, Vitreous Haemorrhage, Degenerations <ul style="list-style-type: none"> • To discuss in detail the anatomy of vitreous • To discuss and diagnosis common vitreous pathologies like degeneration and detachment • Discuss types , ethiology, C/F, Rx of vitreous h'ge 	Dr. R. Paranjpe

			<ul style="list-style-type: none"> • Discuss and diagnosis of asteroid hyalosis and sychysis scintillans 	
21	06.08.18	Uvea- Anatomy, Classification of Uveitis	<p>Uvea-Anatomy, Classification of Uveitis</p> <ul style="list-style-type: none"> • Anatomy of iris • Anatomy of Ciliary body • Anatomy of choroid • Classification of uveitis • Anatomical classification • Aetiological classification • Aetiopathogenesis of uveitis 	Dr. R Maheshgauri
22	07.08.18	Anterior Uveitis	<p>Anterior uveitis</p> <ul style="list-style-type: none"> • Definition • Aetiopathogenesis • Clinical features 	Dr. R Maheshgauri
23	09.08.18	Posterior Uveitis, Choroiditis,	<p>Posterior Uveitis, Choroiditis,</p> <ul style="list-style-type: none"> • Definition • Clinical features • Management of Uveitis • Investigations • Differential diagnosis • Differential diagnosis of Acute Red Eye • Treatment 	Dr. R Maheshgauri
24	11.08.18	Endophthalmitis, Panophthalmitis Sympathetic Ophthalmitis	<p>Endophthalmitis, Panophthalmitis</p> <p>Short notes</p> <ul style="list-style-type: none"> • Sympathetic Ophthalmitis • Endophthalmitis • Panophthalmitis • AIDS • Toxoplasmosis 	Dr. R Maheshgauri
25	13.08.18	Trauma – Blunt Trauma & Perforating Trauma	<p>Trauma-Blunt trauma and Perforating trauma</p> <ul style="list-style-type: none"> • Modes of trauma • Mechanism of blunt trauma • Classification of blunt trauma • Ocular manifestations of perforating trauma • Modes of perforating trauma • Effects of perforating trauma • Ocular manifestations of perforating trauma • Management of blunt and perforating trauma 	Dr. S. Prasad

26	14.08.18	Trauma – Surface Foreign Body, retained IOFB	<p>Trauma-Surface Foreign Body, Retained Intraocular Foreign Body (RIOFB)</p> <ul style="list-style-type: none"> • Extraocular foreign body • Common types of foreign body • Symptoms • Signs • Complications • Treatment • Retained IOFB • Common IOFB • Modes of damage • Management of Retained intraocular foreign body. 	Dr. S. Prasad
27	16.08.18	Trauma – Chemical & Thermal Injuries	<p>Trauma – Chemical and Thermal Injuries</p> <ul style="list-style-type: none"> • Modes of chemical injury • Types • Symptoms • Signs • Grading of chemical burns • Treatment • Causes of thermal injuries • Treatment 	Dr. S. Prasad
28	18.08.18	Ocular Emergencies - I	<p>Ocular Emergencies</p> <ul style="list-style-type: none"> • Classification of ocular emergencies • Emergency management of CRAO • Emergency management of Acute Congestive Glaucoma • Emergency management of Mechanical Injuries • Emergency management of Alkali burns • Emergency management of Acid burns 	Dr. S. Prasad
29	20.08.18	Ocular Emergencies -II	<p>Ocular Emergencies</p> <ul style="list-style-type: none"> • Emergency management of Globe Perforation • Emergency management of ocular surface foreign bodies <p>Short notes</p> <ul style="list-style-type: none"> • Sympathetic ophthalmitis • Management of Acute Red Eye • Management of a Case of Acute Vision Loss 	Dr. S. Prasad

			<ul style="list-style-type: none"> • Emergency management of Corneal Ulcers 	
30	21.08.18	Systemic Diseases affecting the Eye -I	Systemic Diseases affecting the Eye <ul style="list-style-type: none"> • Importance of eye in systemic disease • Eye changes in diabetes mellitus • Eye changes in hypertension 	Dr. R. Gaud
31	23.08.18	Systemic Diseases- II	<ul style="list-style-type: none"> • Eye changes in leprosy • Eye changes in tuberculosis • Summary/Must know 	Dr. R. Gaud
32	25.08.18	Community Ophthalmology- National Programme	Community Ophthalmology – National Programme To discuss national programme for control of blindness – its aims, objectives, implementation, goals, levels of control of blindness	Dr. A Rege
33	27.08.18	Vision 2020, Eye Camp	Vision 20-20, Eye Camps <ul style="list-style-type: none"> • Vision 2020 – aims, objective, how can it be achieved • Roll of eye camps in blindness prevention 	Dr. A Rege
34	28.08.18	Lasers in Ophthalmology	Lasers in Ophthalmology <ul style="list-style-type: none"> • Definition of LASER • How lasers work in eye • Lasers in refractive surgery • Lasers in glaucoma • Lasers in Retina of P.C.O. • Summary/Must know 	Dr. P. Apte
35	30.08.18	Recent Advances in Ophthalmology	Recent Advances <ul style="list-style-type: none"> • Refractive surgeries of corneal – PRK LASIK • Refractive surgeries of lens- phakic IOLs, CLE 	Dr. P. Apte

Department Of Ophthalmology

Period : 04/July/18 to 06/September/18

Semester : 7th Semester

Tutorial Lesson Plan

NO	DATE	TOPIC	TEACHER
1	04.07.18	<p>Approach to a case of gradual progressive painless DOV</p> <ul style="list-style-type: none"> • Definition • Common Causes of Painless DOV • Discussion about each • Cataract • Primary open angle glaucoma • ARMD 	Dr Prachi Bakare
2	11.07.18	<p>Approach to a case of acute red eye</p> <ul style="list-style-type: none"> • Red eye definition • Causes of acute red eye • Differential diagnosis – Acute conjunctivitis • Acute iridocyclitis • Acute glaucoma • Clinical features 	Dr Deepaswi Bhawsar
3	18.07.18	<p>Optics</p> <ul style="list-style-type: none"> • Identification <ul style="list-style-type: none"> i) Lens - Spherical <li style="padding-left: 20px;">Cylindrical <li style="padding-left: 20px;">Prism <p>Uses of various types of lenses</p>	Dr Chanda
4	25.07.18	<p>Instruments</p> <ul style="list-style-type: none"> • Corneal foreign bodies • Chemical injuries • Blunt trauma to eye • Penetrating trauma to eye <p>Retained intraocular foreign bodies</p>	Dr Varsha Manade
5	01.08.18	<p>ICCE & ECCE</p> <ul style="list-style-type: none"> • Procedures (Steps discussed) • ECCE classification • Discussion of pre operative/post operative complications 	Dr Jyotsana
6	08.08.18	<p>SICS & Phacoemulsification</p> <ul style="list-style-type: none"> • Procedures (Steps discussed) 	Dr Priti Kumari

		<ul style="list-style-type: none"> • Discussion of pre operative/post operative complications 	
7	29.08.18	<ul style="list-style-type: none"> • Contact Lens Definition • Uses of contact lenses • Types of contact lenses <ul style="list-style-type: none"> i) Hard contact lenses ii) Se RGP contact lenses iii) Soft contact lenses • Fitting of contact lenses • Trial of contact lenses • Care of contact lenses • Contact lens solution • Complications of contact lens use 	Dr Prachi Bakare
8	3.09.18 (3:00 to 4:00) Monday	Refractive Surgery <ul style="list-style-type: none"> • IOL advances • Clear lens extraction • Piggy back IOL • Incision planning • A Scan /B Scan 	Dr Deepaswi Bhawsar
9	4.09.18 (3:00 to 4:00 pm) Tuesday	Enucleation & Evisceration <ul style="list-style-type: none"> • Procedures (Steps discussed) 	Dr Chanda
10	5.09.18 (4:00 to 5:00 pm) Wednesday	Drugs <ul style="list-style-type: none"> • Cycloplegics and Mydriatics • Antibiotics • Steroids • Antiglaucoma medications 	Dr Varsha Manade
11	6.09.18 (8:00 to 9:00 am) Thursday	Ocular Emergencies & Injuries <ul style="list-style-type: none"> • Ocular Emergencies • Corneal foreign bodies • Chemical injuries • Blunt trauma to eye • Penetrating trauma to eye • Retained intraocular foreign bodies 	Dr Jyotsana