

Basic Science Course in Ophthalmology 2017
Columbia University Medical Center
Edward S. Harkness Eye Institute

	1/2/2017	1/3/2017	1/4/2017	1/5/2017	1/6/2017	1/7/2017
	Mon	Tues	Wed	Thurs	Fri	Sat
TOPIC	NEURO-OPHTHALMOLOGY / ANATOMY/PHYSIOLOGY	ANATOMY/PHYSIOLOGY / ORBIT	DEVELOPMENTAL PEDIATRICS / OCULOPLASTICS	ORBIT / MYOPIA / PEDS	GENETICS / CATARACTS	PEDS
8:00-9:00			Dan Casper: The Orbit	Michael Kazim: Thyroid Eye Disease, Complex Orbital Tumors	Michael Goldberg: Ocular Motor System	
9:00-10:00	9:00 - 9:30 INTRODUCTION: Ron Silverman	Suzanna Airiani: Basic Cornea and Sclera	Anthony Moore: 1. Developmental abnormalities of the eye and orbit 2. Congenital abnormalities of the retina and retinal pigment epithelium 3. Retinovascular abnormalities of childhood (excluding ROP) 4. Albinism 5. Infantile onset retinal dystrophies 6. Retinal case studies (quiz)		Irene Maumenee: Genetics in Ophthalmology (with special focus on connective tissue diseases)	Elias Traboulsi: Binocular Assessment and Clinical Evaluation
10:00-11:00	9:30AM- 1:30PM Andrew Lee and Hilary Beaver: Giant cell arteritis, GCA cases Five Diagnosis You cannot afford to miss Seven Steps in unexplained visual loss Pupil pearls lecture, Pupil cases	Xin Zhang: Molecular Regulation of Eye and Lens Development		Quan V. (Donny) Hoang: Pathologic Myopia		
11:00-12:00		Carol Mason: Development and Reconnection Postinjury of the Path Between Eye and Brain				
12:00-1:00		LUNCH	LUNCH	LUNCH	LUNCH	
1:00-2:00		Royce Chen: Basic Retina	Alan Bird: Implications for Mactel Type2	Steve Brooks: Nystagmus	Paul Krawitz: Premium IOLs	
2:00-3:00	1:30 - 2:00 LUNCH	James Hurley: photoreceptor metabolism	Bryan Winn: Oculoplastic Pearls	Robert Strome: Sensory Aspects of Strabismus	B. David Gorman: Intraoperative and Postoperative Complications Of Cataract Surgery	
3:00-4:00	Hermann Schubert: Embryology and Anatomy of the Globe		Alexandra Braunstein: More oculoplastics pearls	Graham Quinn: Pros and Cons of telemedicine in ROP	Roy Cole: Low Vision	
4:00-5:00		Gary Lelli: Orbital: that's going to leave a mark!	Robert Schwarcz: Oculoplastics Skin Exam: Lumps, Bumps and Bad News	4:00 - 4:30 Coffee/Tea Break 4:30-5:00 Resident/Fellow cases		
5:00-6:00		Andrei Tkatchenko: Refractive eye development: genes versus environment	Grace Sun: Intro to Cataract Surgery	GRAND ROUNDS: Graham Quinn: ROP Blindness Worldwide		
	KEY:		ALAN BIRD RESIDENT DAY!!!	6:00 - 8:00 MIXER at The Heights Tavern for BSCO participants		
	NEURO-OPHTHALMOLOGY					
	ANATOMY / PATHOLOGY					
	OCULOPLASTICS					
	PEDIATRIC OPHTHALMOLOGY					
	CATARACT					
	GLAUCOMA					
	CORNEA					
	RETINA					
	HANDS-ON / WETLAB					
	GRAND ROUNDS					

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	1/9/2017 Mon	1/10/2017 Tues	1/11/2017 Wed	1/12/2017 Thurs	1/13/2017 Fri	
TOPIC	PATHOLOGY	PHACO / GLAUCOMA	GLAUCOMA	GLAUCOMA	OPTICS	
8:00-9:00		Phacoemulsification Wet Lab: James Auran (Alcon)	Rachel Kuchtey: Exfoliation Glaucoma, Lens-induced Glaucoma		David Guyton & Kristina Irsch: Ophthalmic Optics	
9:00-10:00	Ralph Eagle: 9:30AM - 5:00PM: Pathology			LeeJee Suh: Imaging in the Cornea		
10:00-11:00				John Danias: Physiology/Genetics		Royce Chen: Sickle Cell Retinopathy
11:00-12:00				C. Gustavo De Moraes: Basic Principles of Perimetry		Don Hood: From Basic Clinical Science to a Clinical Application: A case study in translational research
12:00-1:00				LUNCH		LUNCH
1:00-2:00						Jeffrey Liebmann: Clinical Examination of the Optic Nerve / Angle-Closure Glaucoma From the Inside Out: An Ultrasound Biomicroscopic View
2:00-3:00			Janet Serle: Medical Management of Glaucoma	Steven Kane: Pediatric Cataract & Pediatric Glaucoma		
3:00-4:00			Speaker's choice? Steven Mansberger, MD, MPH			
4:00-5:00		Linus Sun: Basic Neuro- ophthalmology	George Cioffi: VF Assessment in Glaucoma	4:00 - 4:30 COFFEE/TEA BREAK 4:30 – 5:00: Coffee Break or Resident/Fellow Cases		
5:00-6:00	Dana Blumberg: Epidemiology / Clinical Trials (in Glaucoma)		Vivienne Greenstein: Color Vision	GRAND ROUNDS: Steven Mansberger, MD, MPH		

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	1/16/2017	1/17/2017	1/18/2017	1/19/2017	1/20/2017
	Mon	Tues	Wed	Thurs	Fri
TOPIC	MUSCLES/CORNEA	CORNEA / RETINA	CORNEA / ANATOMY/PATHOLOGY	REFRACTION/RETINA	RETINOSCOPY/TUMORS
8:00-9:00				Scott Brodie: Refraction Workshop (Preceptors: Luz Amaro-Quireza)	Scott Brodie: Retinoscopy Workshop (Preceptors: Steven Brooks)
9:00-10:00	Jospeh Demer: Ocular Muscles	Nancy Fan-Paul: Common Corneal and External Eye Disease	George Florakis: Corneal Dystrophies & Transplantation		
10:00-11:00					
11:00-12:00		Doug Lazzarro: corneal degeneration			
12:00-1:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
1:00-2:00	Dan Reinstein: Current and Future Refractive Surgery Frontiers: What is currently available outside US FDA jurisdiction and what may never be possible within FDA jurisdiction	Tongalp Tezel: Treatment Options for Central Retinal Artery Occlusion	Chris Starr: Refractive Surgery: Risks, Benefits & Alternatives	Irene Barbazetto: Hereditary Retinal Diseases	Jasmine Francis: Ocular Tumors: retinoblastoma, melanoma, metastatic tumors, rare intraocular tumors (medulloepitheliomas, choristomas, phakomatoses and leukemia)
2:00-3:00		Sri Beareilly: Basic AMD	Danielle Trief: Keratoprothesis/Corneal Infections	Michael Engelbert: Vitreous in Health and Disease	
3:00-4:00		Stephen Trokel: Refraction and Refractive Surgery		K. Bailey Freund: Understanding Lesion Composition in Neovascular Age-Related Macular Degeneration	
4:00-5:00	Stephen Tsang: Approaches and Treatments in Retinal Degenerations	Michael Weiss: Antibiotics, Antifungals and Antivirals: Pharmacokinetics and Pharmacodynamics	Louis Pizzarello: Epidemiology	Larry Yannuzzi: The Challenge of Pigment Epithelial Detachment	Guy Barile: Diabetic Retinopathy
5:00-6:00			Janet Sparrow: RPE	GRAND ROUNDS: Retinal Jeopardy! : Michael Engelbert and Larry Yannuzzi	

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	1/23/2017	1/24/2017	1/25/2017	1/26/2017	1/27/2017
	Mon	Tues	Wed	Thurs	Fri
TOPIC	GLAUCOMA / PEDS / RETINA	RETINA / PEDS	RETINA / IMAGING / GLACUOMA	Dissection WET LAB	Dissection WET LAB
8:00-9:00	7AM - 9AM Lama Al-Aswad: Glaucoma Surgery/Lasers	Ronald Gentile: Posterior Trauma	John Aljian: Management of Anterior Segment Trauma	8:00: Lora Glass: Botox & Fillers: OCULOPLASTICS WETLAB 8:30 - 9:30: Jeffrey Ascherman: "Blepharoplasty: Indications, techniques, and potential complications"	8:00AM John Merriam: "Review Of Eyelid Anatomy" 8:30 - 9:00 "Orbit From Above "
9:00-10:00	RV Paul Chan: Coats, FEVR, Peds retinal detachment, IP, ROP surgery and advanced treatment	Robert Lopez: Stereoscopic Exam of Peripheral Retina	Douglas Jabs: Approach to and Treatment of the Uveitides	9:30 - 10:30: John Merriam: "Anatomy Of The Lids"	9:00 – 11:30: John Merriam and Daniel Casper DISSECTION II 11:30 - 12:15: Daniel Casper: Cranial Nerves & Orbital Fissures
10:00-11:00		Gennifer Greebel: Essentials of Exotropia		10:30 - 11:30: DISSECTION	
11:00-12:00	Anne Marie Lobo: Uveitis	Jason Horowitz: Pharm Basis Retinal Disease Management	LUNCH: 11AM-11:30AM	11:30 -12:30: LUNCH	12:15 - 1:00 LUNCH
12:00-1:00		Robert Braunstein: Retinal Detachment			
1:00-2:00	LUNCH	LUNCH	IMAGING WORKSHOP: Quantel Ultrasound; Oculus Pentacam and Keratograph 5M; Zeiss OCT-A	12:45: Martin Leib: Nasolacrimal System	1:00 - 1:30: Michael Kazim: Nasal & Lateral Approaches
2:00-3:00	Graham Holder: Clinical Electrophysiology	Pamela Gallin: Oh Say Can You See		Glaucoma Wet Lab: Lama Al-Aswad (Glaukos and New World Medical)	1:15 – 3:15: Daniel Casper & John Merriam: DISSECTION I
3:00-4:00		Lauren Yeager: Essentials of Esotropia			3:30: REVIEW
4:00-5:00		Stanley Chang: Perfluorocarbon Liquids			3:30 - 4:30 Kapil Bharti, Ph.D.: Mechanistic Insights into Ciliopathy Associated Retinal Degeneration Identifies a Role for Primary Cilium in RPE Maturation
5:00-6:00	Douglas Wallace: ophthalmic genetics			GRAND ROUNDS: Kapil Bharti, PhD: Developing an Autologous iPS Cell Derived RPE Based Cell Therapy for Macular Degeneration	