Age-Related Macular Degeneration/Inflammatory Disease - Joan W. Miller, MD, Yannek Leiderman, MD, PhD, and Rama Jager, MD

Trace the history of the development of antiangiogenic agents for use in treating AMD; Describe the mechanisms of cell death and their relevance in the retina; List the cellular pathways involved in the development of AMD; Compare methods for addressing a dislocated intraocular lens; Manage a patient with vitreomacular adhesion.

OP 53 - 12

An Overview of Lacrimal Overflow/Understanding the Dysphotopsias - Daniel B. Rootman, MD, MS and Samuel Masket, MD

Sketch the embryologic development and anatomy of the lacrimal system; Use physiologic and nonphysiologic tests to evaluate lacrimal outflow obstruction; Treat a patient with acquired obstruction of the nasolacrimal system; Explain the causes of positive dysphotopsia; Debate current theories of the cause of negative dysphotopsia.

OP 53 - 13

Insight on Glaucoma - Robert N. Weinreb, MD, Andrew Iwach, MD, Cynthia Mattox, MD, and Alan S. Crandall, MD

Design a protocol for a clinical trial of a neuroprotective agent for patients with glaucoma; Describe recent trends in ophthalmologic practice with respect to methods for managing glaucoma; Treat a patient with a reactive ectropion secondary to glaucoma medications; Adopt surgical practices that prevent induced astigmatism after refractive surgery in patients with low intraocular pressure; Create a surgical protocol for cataract surgery in patients with pseudoxefoliation.

OP 53 - 14

Diabetic Retinopathy - Harry W. Flynn Jr, MD

Review the prevalence and pathophysiology of diabetic retinopathy (DR); Trace the history of major trials leading to current treatment approaches to DR; List the indications for pars plana vitrectomy; Create a follow-up schedule for a patient with DR based on retinal findings and type of diabetes; Explain the findings of a recent study in patients with DR that compared agents targeting vascular endothelial growth factor.

OP 53 - 15

Treatment of the Retina - Thomas W. Stone, MD, Jennifer I. Lim, MD, and Ogugua Okonkwo, MD

Summarize the findings of the 2014 Practices and Trends survey; Describe the findings of the Protocol T study conducted by the Diabetic Retinopathy Clinical Research Network; Counsel a patient contemplating implantation of a retinal prosthesis; Manage a patient with a redetachment of the retina after silicone oil treatment; Contrast treatment practices of retinal surgeons in different regions of the world.

OP 53 - 16

Cataract and Glaucoma Management - Richard K. Parrish II, MD, Daniel H. Nelson, MD, and Brent S. Betts, MD

Manage medications in patients with glaucoma; Weigh the advantages and disadvantages of laser trabeculoplasty and drainage implants; Select appropriate candidates for laser peripheral iridotomny; Create and test an algorithm to efficiently triage patients with urgent ophthalmologic complaints; Consider methods for preventing postoperative hypotony after placement of a tube shunt.

OP 53 - 17
Ophthalmology Review

Price: Full - $540 / Short - $445
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*Special Association accreditation may vary. See website.

Current Issues in Ophthalmology - Douglas Koch, MD and Nathan Radcliffe, MD
Select an appropriate formula for calculating the power for an intraocular lens (IOL); Interpret optical coherence tomography in a patient with high myopia; Choose the best IOL for a patient with astigmatism; Discuss the risks and benefits of transscleral cyclophotocoagulation as compared with trabeculectomy; Counsel a patient asking about micropulse laser therapy for cyclophotocoagulation.

Glaucoma Update - Dale K. Heuer, MD – Robert L. Stamper, MD
Discuss targets for lowering intraocular pressure in patients with glaucoma in light of the findings of the Collaborative Normal Tension Glaucoma Study; Rank alternative medical treatments for glaucoma based on the quality of available evidence; Describe recently developed surgical devices for management of glaucoma; Write a protocol for clinical evaluation of glaucoma suspects and patients with glaucoma; Illustrate common findings in the optic discs of patients with glaucoma.

Updates on the Retina - Bertil Damato, MD, PhD, Christopher J. Brady, MD, Adam S. Wenick, MD, PhD, and Yannek Leiderman, MD, PhD
Contrast the characteristics and prognoses of various types of uveal tumors; Discuss possible benefits of telemedicine; Summarize findings of major clinical trials that evaluated antivascular endothelial growth factor agents for age-related macular degeneration (AMD); List important mutations associated with AMD; Describe the current status of genetic testing for AMD.

Perspectives on Glaucoma - Shan C. Lin, MD, Terri Pickering, MD, Sunita Radhakrishnan, MD, Kuldev Singh, MD, and Robert M. Schertzer, MD, Med
Recommend medications and formulations for a patient with glaucoma who develops ocular surface disease; Discuss genetic and environmental factors that contribute to exfoliation syndrome; Manage medications for patients with glaucoma; Summarize the findings of major trials studying and comparing tube shunts for glaucoma; Safely prescribe generic and combination drugs for patients with glaucoma.