

Oregon's Meeting – Mt. Hood Resort

July 14-17, 2022

Course Summaries

Acquired Brain Injury – The Road to Recovery

presented by Paula Luke, OD, FAAO

A brief overview of the terminology and pathophysiology associated with acquired brain injury (ABI) will be discussed. Ocular symptoms and signs associated with ABI will be presented with management; highlighted with case examples if time permits.

Double Trouble

presented by Paula Luke, OD, FAAO

Double vision may interfere with one's quality of life and challenges of diagnosis and management of diplopia may be concerning due to the association with serious pathology. An overview of etiology and ancillary testing for those presenting with double vision will be reviewed and various management options for diplopia will be presented.

Clinical Potpourri - Off-Label Meds with Clinical Optometric Implications

presented by Chris Putnam, OD, PhD

Any use of a drug not listed on the label is considered off-label. Off-label uses include giving an approved drug for a disease or indication other than the disease for which it is approved; at a different dose, frequency or route of administration than specified in the label; or to treat a child when the product is approved to treat adults. Although the Food and Drug Administration (FDA) label has important marketing implications, the use of an approved product by providers is not restricted by the FDA to the limitations of the label. Providers are allowed to use FDA-approved drugs in the treatment of a specific patient as medical practice. The FDA recognizes that off-label use of drugs by providers is often appropriate and may represent the standard of care. This presentation will discuss investigational use, informed consent and insurance carrier criteria considerations when prescribing an off-label medication.

Macular Pigment and Clinical Relevance to Visual Function and Disease Management

presented by Chris Putnam, OD, PhD

Macular pigment (MP) has been widely studied in the biochemical and physiologic domains for years and emerging research is showing a MP confluence of effects that bridge the areas of cognitive function, optical enhancement and retinal health. Burgeoning clinical techniques have allowed early detection, treatment and management of a growing number retinal and central nervous system conditions. Additionally, this course will review aspects of visual function enhancement associated with MP and discuss supplementation strategies that can decrease ocular symptoms related to other vascular, inflammatory and neurological diagnoses. Clinical case studies and published research projects will be reviewed in the context of current clinical care modalities.

Role of Retinal Imaging in Neurodegenerative Disorders

presented by Chris Putnam, OD, PhD

Neurodegenerative conditions such as Alzheimer's disease affect over 50 million individuals worldwide and the most effective treatment strategies require early identification and intervention. Retinal imaging allows a non-invasive, population-level evaluation of the central nervous system that can be affected by these conditions. A review of existing retinal imaging capabilities paired with more recent developments in disease-specific screening will be presented along with an analysis of current medical and oral supplementation approaches to

cognitive decline mitigation.

Preventative Medicine and Systemic Disease Management

presented by Chris Putnam, OD, PhD

The eye is a complex structure of highly-metabolic tissue extending from the central nervous system and receives its blood supply from tributaries originating at the internal carotid artery. Retinal imaging is a noninvasive, in vivo technique that can reach resolutions of 3-5um and can be applied as a population-level screening technique. These imaging capabilities are critical due to the subclinical vascular and neurologic changes that can present months to years before a patient will experience symptoms. Optometry is well positioned to leverage developing methods with primary care physicians, physician assistants and nurse practitioners that will lead to earlier recognition, targeted treatment and better patient outcomes. This integration is possible for a growing number of systemic conditions across vascular, neurologic, autoimmune and inflammatory regions. Point-of-care testing along with smartphone applications derived from evidence-based medicine can create increased patient involvement and responsibility leading to the decreased cost of chronic care conditions.

Dabbling in the Retinal Occult

presented by Lorne Yudcovitch, OD, MS

This course serves to review the main occult retinal diseases that may present clinically. Signs, symptoms, applicable tests and treatments of various occult retinal conditions will be discussed.

Optic Nerve and Visual Fields Grand Rounds

presented by Lorne Yudcovitch, OD, MS

Often visual field testing assists the clinician in determining the type of optic nerve condition a patient may present with. This course provides a 'grand rounds' format of optic nerve/visual field cases, highlighting key points.

Go With the Flow An OCT Angiography Primer

presented by Lorne Yudcovitch, OD, MS

Optical coherence technology angiography (OCTA) has become a new element of OCT use clinically. This course serves as an introduction to the technology, application and differential diagnosis use of OCTA in the clinical setting.

OREGON ETHICS/LAW

presented by Drs. Bob Mans, Doug Walker & Shelley Sneed

This course will discuss how to ensure compliance with the maintenance of your optometry license, the most common challenges that licensees encounter, and the process the board undertakes once a complaint is received to help reduce confusion and ensure continued public safety.

New or Noteworthy: Innovations in anterior segment disease management

COPE 76691-TD, presented by Aaron Bronner, OD

This one-hour course will review therapies that are recently available, still in development or underutilized in the management of Anterior Segment Disease. Areas of discussion will include brand new treatment avenues that will create a paradigm shift in how you manage anterior segment disease.

Category: Ocular disease

- 1) Give a glimpse at new technologies in the management of anterior segment disease
- 2) Help doctors understand how they can utilize these technologies for their patients, and which

patients may most benefit

3) Give a fair appraisal of not just strengths, but limitations of these technologies

**The judicious referral: how to know when to send to the specialist
presented by Oliver Kuhn-Wilken, OD**

Knowing when to manage and when to refer is a crucial skill, one that saves your patients time and money, keeps your patient base healthy and you sleeping well, and can even keep you out of the courts. In this lecture we'll determine the precise moment when you should refer out for keratoconus, cataracts, endophthalmitis, cystoid macular edema, glaucoma, ARMD, macular holes, and retinal artery occlusions.

**Cataract Surgery with co-existing retinal conditions. When to pause and when to proceed.
presented by Ami Halvorson, OD**

The patient demographic who presents for cataract surgery will often have co-existing retinal conditions. While some retinal diseases are completely static with phacoemulsification, there are several retinal conditions that can be exacerbated by cataract surgery. It is important to understand which conditions may be made worse and to seek vitreo-retinal consultation and management, in attempt to best optimize visual outcomes and patient expectations. This lecture will go through some of the more commonly identified retinal conditions and pearls on how to manage these patients in the peri-operative period.

**Intraocular lens innovations: Light adjustable lenses
Presented by Drs. Halvorson & Kuhn-Wilken**

A thorough description of the new technology of light adjustable intraocular lenses, including patient selection, technical principles of the lenses and adjustment procedures, description of patient and doctor experiences of the process, contraindications, and future possibilities for this technology.