

University of Wisconsin-Madison, Department of Ophthalmology Grand Rounds

Novel Gene Delivery Approach for Treating HSC-1 Keratitis, Meisha Raven, DO, 1 hr, July 6, 2018.

Optic Nerve Hypoplasia, Melanie Schmitt, MD, Inherited Retinal Degenerations: RPE65 Update, Yasmin Bradfield, 1 hr, August 8, 2018.

Glaucoma Enhancing, Manipulating and Measuring Outflow, Nils Loewen, MD, Her Pupil's Not Reacting, Chris Spearman, 1 hr, August 17, 2018.

Mouse Models of Glaucoma and the Development of Novel Therapeutic Targets, Colleen McDowell, PhD, Ruling Out Intraocular Involvement in the Viremic and Candidemic Patient, Braden Burckhard, MD, 1 hr, August 31, 2018.

Disclosure Discussions in the Clinical Setting, Jan Haedt, BS, RN, Robert Ebbe, JD, 1 hr, September 7, 2018.

Visiting Professor from Johns Hopkins, Robert Wojciechowski, OD, MSc, PhD, FAAO, 1 hr, September 21, 2018.

Window on Molecular Pathogenesis of Fuch's Endothelial Corneal Dystrophy, V. Vinod Mootha, MD, 1 hr, October 12, 2018.

The Changing Paradigm of Glaucomatous Damage, Eliesa Ing, MD, Penumatic Vitreolysis: Is Less More?, Mitchell Wolf, MD, 1 hr, November 2, 2018.

Ophthalmology in the Digital Age – Artificial Intelligence and Big Data, Baseer Ahmad, MD, Resources and ReSpectacle, Elaine Downie, MD, 1 hr, November 16, 2018.

Capsulotomy Techniques, Paul Selid, MD, A Case of Chemosis, Elaine Downie, MD, 1 hr, March 8, 2019.

Pediatric Uveitis, Nimesh Patel, MD, A Drug to Prevent Pediatric Myopia: What Would it Take?, Gary Novack, PhD, 1 hr, September 13, 2019.

So Why Are We Still Doing Monthly Injections?, Michael Nork, MD, MS, FARVO, Utility of Genetic Testing in Inherited Ocular Disease, Kimberly Stepien, MD, Elizabeth Kellom, MS, Rachel Sullivan, MS, CGC, 1 hr, October 4, 2019.

Macular Degeneration/Carotenoid Conference Research Education

AMD Update: From Detection to Management, Mark Dunbar, OD, Rishi Singh, MD, Jeff Gerson, OD, Steve Ferrucci, OD, 2 hrs, COPE 55731-PD, December 2017

Surgical Management of Macular Disease, VMT, EMM, MH, Rishi Singh, MD, 1 hr, COPE 55730-PO, December 2017

The State of Macular Disease, Steven Ferrucci, OD, Jeffrey Gerson, OD, 2 hrs, COPE 59656-PS, December, 2018.

The Macular Carotenoids: Macular Carotenoids and Visual Performance, The Power of Contrast Sensitivity Testing and Nutritional Intervention in Primary Eye Care, Macular Pigment and the Biology Upstream to Age-Related Macular Degeneration, Development of

Improved Animal Models to Study the Ocular Benefits of Carotenoid and Lipid Supplementation, Jim Stringham, PhD, Mark Roark, OD, Christine Curcio, PhD, Baul Bernstein, MD, 2 hrs, BON Conference, July 2018.

Carotenoids – Bioavailability and Transport: Determination of Intestinal B-carotene bioconversion in Humans by a New Single-sample Plasma Isotope Ratio Method, Carotenoid Bioavailability – Knowns and Unknowns, Mechanisms of Transport and Delivery of Vitamin A & Carotenoids to the Eye, Georg Lietz, PhD, Torsten Bohn, PhD, Earl Harrison, PhD, 1.5 hrs, BON Conference, July 2018.

Keynote Lecture: Lipid Mediators in Retinal Parainflammation, Jeremy Sivak, PhD, 1 hr, BON Conference, July 2018.

Nutrition and Lifestyle for Brain Health: Nutritional Intervention to Enhance Cognitive Function and Prevent Alzheimer's Disease: A Summary of Studies from Waterford, Dementia of the Eye-Alzheimer's-linked Amyloid Beta Proteins Provide New Insights into Retinal Degeneration, Genomic Approaches Revealing the Action of Foods on Brain Function and Disease, 1.5 hrs, Riona Mulcahy, MD, J. Arjuna Ratnayaka, PhD, Fernando Gomez-Pinilla, PhD, BON Conference, July 2018.

Innovations For Cognitive Health – Take 1: A Decade of Research of Lutein and Cognition, Nutrition for the Ageing Brain: The Impact of Polyphenols on Cognitive Health, Nutritional Cognitive Neuroscience: Innovations for Health Brain Aging, 1.5 hrs, Elizabeth Johnson, PhD, David Vauzour, PhD, Aron Barbey, PhD, BON Conference, July 2018.

Keynote Lecture #2: Understanding Alzheimer's as a Disease of Chronic Oxidative Stress, George Perry, PhD, 1 hr, BON Conference, July 2018.

Carotenoids for Carotenoid Health -Take 2: Retinal Carotenoids and Childhood Cognitive Function and Achievement, Understanding the

Role of Nutrition in Lifespan Brain Development, Naiman Khan, PhD, Lisa Renzi, PhD, 1.5 hrs, BON Conference July, 2018.

Determinants of Carotenoids - Longitudinal Studies: Age-Dependent Decline of Macular Pigment Optical Density (MPOD) in Rhesus Monkeys Fed Controlled Diets, Xanthophyll Carotenoids and Cognitive Function in Healthy Older Adults: Insights from a Longitudinal Population Ageing Study, Trevor McGill, PhD, Joanne Feeney, PhD, 1hr, BON Conference July 2018.

Carotenoids – A Network of Opportunity, A Global Discussion: Rising Atmospheric CO₂ Tend to Lower Carotenoid Levels in Plants; Can the Global Decline in Dietary Carotenoids Affect Human Vision and Memory? Eating for Eye Health: An Award-winning Community Cookery Project to Engage Older People with Research on diet and Lifestyle for Eye Health, Irakli Loladze, PhD, Rosie Gilbert, MD, 1.5 hrs, BON Conference July, 2018.

Dietary Reference Intakes, Elizabeth Johnson, PhD, 1 hr, BON Conference July 2018.

Glaucoma Education

Nitric Oxide in Glaucoma: What Clinicians Need to Know, Leo Semes, PhD, Anne Louise, Coleman, MD, PhD, Richard K Lee, MD, PhD, Anthony Realini, MD, MPH, W. Daniel Stamer, PhD, 4 hrs., COPE 54547-GL, September, 2017

Glaucoma: Lifestyles of the Antioxidant Rich and Famous, Matthew Hochwalt, OD, Heather Sampinato, OD, Meaghan Horton, OD, Review of Optometry, July, 2018, 2 hrs, COPE 5817-GL

Visual Fields in the Era of OCT, Lauren Ristin, OD, Andrew Rixon, OD, Review of Optometry, May 15, 2019, 2 hrs. COPE 62379-GL

Glaucoma Medications: When Good Drugs do Bad Things, Bruce Onofrey, OD, Rph, Review of Optometry, July 15, 2019, 2 hrs. COPE 63131-PH

Laser Procedure Education

Laser Physics, Hazards & Safety, Doug Penisten, OD, 1 hr, COPE 52430-LP, June 2019.

Laser Tissue Interactions, Nathan Lighthizer, OD, 1 hr, COPE 52415-LP, June, 2019.

Clinical Workshops: Introduction to Therapeutic Lasers, Joseph Shetler, OD, Nathan Lighthizer, OD, Richard Castillo, OD, DO, Doug Penisten, OD, 2 hr COPE 52211-LP, June, 2019.

Gonioscopy: How to Interpret What You are Seeing, Doug Penisten, OD, 1 hr, COPE 52348-PD, June 2019.

Laser Therapy for the Open Angle Glaucoma: ALT & SLT, Nathan Lighthizer, OD, 2hr, COPE 52418-GL, June, 2019.

Laser Therapy for Angle Closure, Nathan Lighthizer, OD, 1 hr, COPE52419-LP, June, 2019.

Laser Capsulotomy Technique, Joseph Shetler, OD, 1hr, COPE 52344-LP, June 2019.

Managing Potential Laser Complications, Richard Castillo, OD, DO, 1 hr, COPE 51930-LP, June, 2019.

Medicolegal Aspects of Anterior Segment Laser Procedures: Panel Discussion, Joseph Shetler, OD, Nathan Lighthizer, OD, Doug Penisten, OD, Richard Castillo, OD, DO, 1 hr, COPE 52345-LP, June 2019.

Laser Hands-on Lab, Joseph Shetler, OD, Richard Castillo, OD, DO, Doug Penisten, OD, Nathan Lighthizer, OD, 4 hrs, COPE 52417-LP, June, 2019.

Vital Concepts Review, Nathan Lighthizer, OD, 1 hr, COPE 52416-LP, June, 2019.

Surgical Procedures Education

Intro to Optometric Surgery and Ophthalmic Surgical Instruments, Richard Castillo, OD, DO, 1 hr, COPE 51927-SP, November 15, 2019.

Review of Surgical Anatomy of the Face, Richard Castillo, OD, DO, 1 hr, COPE 51927-SP.

Review of Eyelid Anatomy & Eyelid Lesions, Nathan Lighthizer, OD, 1 hr, November 15, 2019.

Radio Frequency Surgery in Optometric Practice, Nathan Lighthizer, OD, 1 hr, COPE 51927-SP.

Office-Based Local Anesthesia, Richard Castillo, OD, DO, 1 hr, COPE 51928-SP, November, 15, 2019.

Oculofacial Surgical Asepsis, Richard Castillo, OD, DO, 1 hr, COPE 51928-SP

Introduction to Oculofacial Biopsy, Richard Castillo, OD, DO, 1 hr, COPE 51928-SP.

Chalazion Management, Nathan Lighthizer, OD, 1 hr, November 16, 2019.

Video Grand Rounds, Nathan Lighthizer, OD, 3 hrs, COPE 52351-SP, November, 16, 2019.

Intro to Suturing, Richard Castillo, OD, DO, 1 hr, COPE 52351-SP, November 16, 2019.

Sutures Techniques Lab, Nathan Lighthizer, OD, 1 hr, COPE 52210-SP, November 17, 2019.

Lab Rotations; Injection Techniques, Radiosurgical Techniques, Oculofacial Biopsy, Jeff Miller, OD, Douglas Penisten, OD, Nathan Lighthizer, OD, Richard Castillo, OD, DO, 3 hrs, November 17, 2019.

Anterior Segment Education

Be an Ocular Foreign Body Fixer, Carolin Pate, OD., Review of Optometry, April 15, 2019, 2 hrs. COPE 62000-AS

Take a Clinical Approach to Anterior Uveitis, Dominick Opitz, OD, Review of Optometry, February 15, 2019, 2 hrs. COPE 60776-AS

The Real-World Cataract Evaluation, Jacqueline Theis, OD, Review of Optometry, June 15, 2019, 2 hrs. COPE 62685-AS

Posterior Segment/Retina Education

Seeing is Believing, Bringing Wild Field Imaging to the Forefront, Dave Kading, OD, Aaron Werner, OD, Kristen O'Brien, OD, 2 hrs, The Exchange 2017, COPE 53263-PD, December 2017

Diabetic Retinopathy: All you ever wanted to know about it, Mohammad Rafieetary, OD, Mark Dunbar, OD, Steve Ferrucci, OD, 2 hrs, COPE 55737-PS, December 2017

Retinal Vascular Disease: Tale of a Bloody Retina, Mohammad Rafieetary, OD, Steve Ferrucci, OD, Jeff Gerson, OD, 2 hrs, COPE 55738-PS, December, 2017

Retina Grand Rounds, Jeff Gerson, OD, Mark Dunbar, OD, Mohammad Rafieetary, OD, 2 hrs, COPE 55729-PS, December, 2017

Posterior Segment Technology Workshop, Steve Ferrucci, OD, Mohammad Rafieetary, OD, Mark Dunbar, OD, Jeff Gerson, OD, 3 hrs, COPE 55760-PD, December, 2017

Posterior Segment Imaging Technology: AdDidactic and Hands-on Workshop, Mohammad Rafieetary, OD, Steve Ferrucci, OD, 2 hrs COPE 59684-PD, November 2018

Larry Alexander Legacy Lecture: Posterior Segment Technolgy, Leo Semes, OD, Brad Sutton, OD, 2 hrs, COPE 59694-PS, December 2018

Retina Rounds: It Isn't Rare if it's in Your Chair, Brad Sutton, OD, Mohammad Rafieetary, OD, 2 hrs, COPE 59695-PS, December 2018

Outlook for Therapies of Genetic Retinal Disease, Mark Barakat, MD, 1 hr, 59658-PS, December, 2018.

Systemic Diseases/Eye Disease Education

Thyroid Disease: A Delicate Balance Disrupted, Matt Dixon, OD,
Review of Optometry February, 2018, 2 hrs, COPE 56364-SD

Diabetic Eye Care, Jeffry Gerson, OD, Leo Semes, OD, 2 hrs, COPE
59692-SD, December, 2018.

Eye Nutrition and Wellness Education

Update on Carotenoid Research, Harvey Hanlen, OD, John Nolan, PhD,
Lisa Rentzi-Hammond, PhD, 2 hrs, The Exchange 2017 COPE 47488-
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