

Accommodations:

Symposium participants who require overnight rooms are advised that a block of rooms has been specifically reserved at the Hilton Columbus at Easton in Columbus, Ohio for arrival on March 4th and departure on March 6th (rates of \$165.00 per night for single or double occupancy). Reservation requests received after the cut-off date will be accepted on a space and rate availability basis. If the group rate is not available after the cut-off date, the prevailing rates will apply for any reservations confirmed. Participants may call the hotel for reservations at (614) 414-5000 and mention the group code, OPH.

We encourage participants to arrange for accommodations early due to other activities occurring that weekend in Columbus. In the past, there has been some difficulty obtaining the desired space.

General Information:

Fees:

- \$250 for Physicians and Optometrists
- \$150 for OSU Faculty
- \$150 for Non-OSU Trainees and Nurses

Fees will be refunded if notice of cancellation is received no later than February 26th, 2010. All fees are subject to a \$50.00 non-refundable administrative charge.

Accreditation:

The Ohio State University Medical Center, Center for Continuing Medical Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Ohio State University Medical Center designates this educational activity for a maximum of **7.25 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.



Meeting Faculty:

William J. Dupps Jr., MD, PhD
Associate Staff of Ophthalmology
Cleveland Clinic

Paul J. Harton Jr., MD
Harbin Eye Clinic
Rome, Georgia

Elias Reichel, MD
Associate Professor of Ophthalmology
Tufts University School of Medicine

Andrea K. Sawchyn, MD
Clinical Fellow of Ophthalmology
Wills Eye Institute

Mitchell P. Weikert, MD, MS
Assistant Professor of Ophthalmology
Baylor College of Medicine

Colleen M. Cebulla, MD, PhD
Assistant Professor of Ophthalmology
The Ohio State University Medical Center

Jennifer R. Lewis, PhD
Adjunct Assistant Professor of Ophthalmology
The Ohio State University Medical Center

Thomas F. Mauger, MD
Chairman of Ophthalmology
The Ohio State University Medical Center

Cynthia J. Roberts, PhD
Professor of Ophthalmology
The Ohio State University Medical Center

Paul A. Weber, MD
Professor of Ophthalmology
The Ohio State University Medical Center

Course Directors:

Cynthia J. Roberts, PhD
&
Paul A. Weber, MD

Meeting Contact:

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The Ohio State University
Department of Ophthalmology
915 Olentangy River Rd., 5th Floor
Columbus, OH 43212

The William H. Havener Eye Institute
Presents:

Ocular Imaging— Front to Back and Beyond

53rd Annual Postgraduate
Symposium in Ophthalmology



Friday, March 5, 2010

Hilton Columbus at Easton
3900 Chagrin Drive
Columbus, OH

www.eye.osu.edu

Sponsored by The Ohio State University Medical Center—
Center for Continuing Medical Education with the Department
of Ophthalmology, The William H. Havener Eye Institute

Educational Needs:

Practicing comprehensive ophthalmologists routinely evaluate patients with cornea and retinal problems, as well as glaucoma. Early diagnosis of ophthalmic conditions with the assistance of quality imaging can improve prognosis.

A practical approach to the interpretation of corneal and anterior segment imaging will be presented. The various maps and methods employed to analyze corneal topographic data will be reviewed, and several imaging systems and technologies will be highlighted, including Placido-based topography, single and dual Scheimpflug imaging, ocular coherence tomography, and corneal confocal imaging. In addition, the roles of imaging devices in clinical practice will be explored, including the calculation of IOL power with and without previous refractive surgery. Recent advances in ophthalmic imaging have opened new avenues for assessing retinopathy, which may provide better access to diagnosis and management for this treatable condition. Spectral domain Optical Coherence Tomography (OCT) is a new noninvasive, noncontact, imaging technology capable of producing cross-sectional images of the living human retina with extremely high resolution, making it valuable for multiple retinal pathologies. This type of imaging can also provide valuable diagnostic information in the early detection of glaucoma, which typically relies on examination of structural damage to the optic nerve combined with measurements of visual function. In addition, baseline imaging from the HRT has been shown to predict glaucomatous damage.

This course is devoted to identifying and evaluating the resources available in ocular imaging. There will be ample opportunity for all participants to have their questions answered throughout the course.

Educational Objectives:

At the conclusion of the conference, participants will be able:

- To identify the need to include imaging studies in a clinical setting
- To describe commonly used imaging devices for corneal and anterior segment assessment
- To evaluate the results of optical coherence tomography retinal nerve fiber and optic disc scans in glaucoma
- To interpret optical coherence tomography in the diagnosis and management of vitreoretinal disorders
- To recognize treatment for glaucoma, cornea, and retinal diseases based on OCT findings

Agenda

Morning Session

- 7:30 AM Registration
- 8:00 AM Welcoming Remarks
Cynthia J. Roberts, PhD & Paul Weber, MD
- 8:05 AM General Concepts in Corneal Topography: Methods and Maps
Mitchell P. Weikert, MD, MS
- 8:25 AM Misconceptions & Misinterpretations in Corneal Topography
Cynthia J. Roberts, PhD
- 8:40 AM Single Scheimpflug Imaging
William J. Dupps Jr., MD, PhD
- 9:00 AM **The Albert D. Frost Memorial Lecture**
Placido Imaging & Combined Placido/Dual Scheimpflug Imaging
Mitchell P. Weikert, MD, MS
- 9:20 AM Dual vs. Single Scheimpflug Anterior Segment Imaging
Jennifer R. Lewis, PhD
- 9:40 AM Questions/Panel Discussion
- 9:50 AM Break, View Exhibits
- 10:10 AM Effective Posterior Power: How Is It Used for Prediction of IOL Power?
Cynthia J. Roberts, PhD
- 10:30 AM Corneal Topography & IOL Calculations Before and After Refractive Surgery
Mitchell P. Weikert, MD, MS
- 10:50 AM Anterior Segment OCT
William J. Dupps Jr., MD, PhD
- 11:10 AM **The William H. Havener Memorial Lecture**
Corneal Confocal Imaging
Thomas F. Mauger, MD
- 11:30 AM Dynamic Corneal Topography
Cynthia J. Roberts, PhD
- 11:50 AM Questions/Panel Discussion
- 12:00 PM Lunch

Agenda, continued

Afternoon Session

- 1:15 PM **The John E. Brown Memorial Lecture**
Ultrahigh Resolution OCT of Foveal Pathology
Elias Reichel, MD
- 1:35 PM Spectral Domain OCT of Vitreoretinal Interface Disorders
Elias Reichel, MD
- 1:55 PM Tumor Imaging
Colleen M. Cebulla, MD, PhD
- 2:15 PM Clinical Utility of OCT for the Comprehensive Ophthalmologist
Elias Reichel, MD
- 2:35 PM **The Torrence A. Makley Memorial Lecture**
UBM Video Analysis of Human Accommodation and its Application to Premium IOLs and the Visian ICL
Paul J. Harton Jr., MD
- 3:05 PM Questions/Panel Discussion
- 3:15 PM Break, View Exhibits
- 3:40 PM **The Paul A. Weber Lecture**
Using HRT to Manage Glaucoma
Andrea K. Sawchyn, MD
- 4:00 PM OCT – Glaucoma Overview
Paul A. Weber, MD
- 4:20 PM How Glaucoma OCT Imaging Can Enhance Patient Care
Paul A. Weber, MD
- 4:40 PM **The Arthur Culler Memorial Lecture**
Dynamic OCT
William J. Dupps Jr., MD, PhD
- 5:00 PM Questions/Panel Discussion
- 5:10 PM Closing Remarks
- 5:15 PM Meeting Adjourned

Disclosure Statement:

As a provider of *AMA PRA Category 1 Credits™*, The Ohio State University Medical Center must insure balance, independence, objectivity and scientific rigor in all its individually sponsored or jointly sponsored educational activities. Faculty participating in a sponsored activity are expected to disclose to the activity audience any significant financial interest or other relationship.

Ocular Imaging—Front to Back and Beyond March 5, 2010 COURSE REGISTRATION (Please Print)

Name: _____ Last First MI Degree(s): _____
Address: _____
City, State, Zip: _____ E-Mail: _____
Telephone Number: _____ FAX Number: _____
Method of Payment (circle one): _____ VISA Discover
MasterCard Signature: _____
Check Expiration Date: _____
Account Number: _____

Registration Fees per Person: Please make Checks payable to OSU-Ophthalmology.
(includes reception/dinner - Please check one) Please mail all registration materials to: Trish Rebish
Physician / Optometrist.....\$250.00 915 Olentangy River Road, Suite 5060
OSU Faculty.....\$150.00 Columbus, OH 43212
Non-OSU Trainees and Nurses....\$150.00 Phone: (614) 293-8117
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