

**October 27, 2017
Baltimore, Maryland**

What's New in Diabetic Retinopathy and Venous Occlusive Disease



JOHNS HOPKINS
M E D I C I N E

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CONTINUING MEDICAL EDUCATION

THE RETINA DIVISION

*The
Wilmer Eye Institute
at Johns Hopkins University
School of Medicine*

What's New in Diabetic Retinopathy and Venous Occlusive Disease

October 27, 2017

The Johns Hopkins University
School of Medicine
Thomas B. Turner Building
Baltimore, Maryland

Presented by
Department of Ophthalmology



JOHNS HOPKINS
M E D I C I N E

Description

The total number of people worldwide with diabetes mellitus is projected to rise from 171 million in 2000 to 366 million in 2030. In the United States, almost 24 million or 8 percent of the population has diabetes mellitus. Approximately 4.0 million Americans age 40 and older have diabetic retinopathy, 900,000 of whom have vision threatening disease, defined as pre-proliferative retinopathy, macular edema, or both. Diabetic retinopathy remains the leading cause of blindness in adults who make up the work force. Despite this, diabetic retinopathy and venous occlusive disease are often under-diagnosed and under-treated. This annual course highlights new information being reported by the Diabetic Retinopathy Clinical Research Network and others, which will impact current standard care and management strategies.

Who Should Attend

This activity is intended for ophthalmologists, retina specialists, residents, fellows and other health care professionals.

Objectives

After attending this activity, the participant will demonstrate the ability to:

- Summarize the evidence of relation of diabetic control to incidence and severity of retinopathy.
- Diagnose diabetic macular edema, severe non-proliferative diabetic retinopathy, and high risk proliferative diabetic retinopathy.
- Determine how best to manage diabetic macular edema, severe non-proliferative diabetic retinopathy, and high risk proliferative diabetic retinopathy.
- Recognize new experimental treatment options.

Accreditation Statement

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



Program

- 7:30 - 7:55 Registration, Continental Breakfast and Exhibits
8:00 - 8:15 **Welcome and Introduction**
Sharon Solomon, MD
8:15 - 8:20 **Conference Goals**
Sharon Solomon, MD

Epidemiology and Medical Management

Moderator: Sharon Solomon, MD

- 8:20 - 8:45 **Epidemiology of Diabetic Retinopathy and Retinal Vein Occlusion: A Global View**
Bonnielin Swenor, MD, PhD
8:45 - 9:10 **An Ophthalmologist's Guide to Diabetes Medical Management in 2017**
Rita Kalyani, MD
9:10 - 9:35 **Historic Challenges in Managing Diabetic Retinopathy**
Morton Goldberg, MD
9:35 - 10:00 **The Effects of Medical Management on the Progression of Diabetic Retinopathy in Type 2 Diabetics: ACCORD Eye Study**
Emily Chew, MD
10:00 - 10:30 Refreshment Break and Exhibits

Management of Diabetic Macular Edema and Proliferative Diabetic Retinopathy: Part I

Moderator: Peter Campochiaro, MD

- 10:30 - 10:50 **Current Benefits and Risks of Anti-VEGF Therapy for Diabetic Macular Edema: Aflibercept, Bevacizumab, or Ranibizumab?**
John Thompson, MD
10:50 - 11:10 **Cost-Effectiveness of Aflibercept, Bevacizumab, or Ranibizumab for Diabetic Macular Edema: Analysis from the DRCR.net**
Michael Elman, MD
11:10 - 11:30 **What is the Role of Corticosteroids for Managing Diabetic Macular Edema?**
Peter Campochiaro, MD
11:30 - 11:50 **Impact of Intravitreal Corticosteroids or Anti-VEGF Drugs on Worsening or Improvement of Diabetic Retinopathy**
Adam Wenick, MD, PhD
11:50 - 12:10 **Intravitreal Anti-VEGF Therapy versus Panretinal Photocoagulation for Proliferative Diabetic Retinopathy: Is it Time to Retire the Laser?**
David Baranano, MD, PhD
12:10 - 1:10 Lunch with Retina Faculty

Credit Designation Statement

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Credit

ARBO credit is pending from The Maryland Board of Examiners in Optometry.

Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.

Program, cont'd.

Management of Diabetic Macular Edema and Proliferative Diabetic Retinopathy: Part II

Moderator: Elia Duh, MD

- 1:10 - 1:40 **Managing Diabetic Macular Edema and Proliferative Diabetic Retinopathy in 2017: Case Presentations**
Moderator: Adrienne Scott, MD
Discussants: David Baranano, MD, PhD; Peter Campochiaro, MD; Emily Chew, MD; Michael Elman, MD; John Thompson, MD; Adam Wenick, MD, PhD
1:40 - 2:00 **Diabetic Choroidopathy**
Gerard Luttj, PhD
2:00 - 2:20 **Novel Targets and Protective Pathways in Diabetic Retinopathy and Diabetic Macular Edema: From Bench to Bedside**
Elia Duh, MD
2:20 - 2:40 **The Mechanism by Which VEGF Suppression Improves and Stabilizes Perfusion in Diabetic Retinopathy and Retinal Vein Occlusion**
Peter Campochiaro, MD
2:40 - 3:10 **Controversies in Diabetic Retinopathy Basic Science Research**
Moderator: Elia Duh, MD
Discussants: Peter Campochiaro, MD; Gerard Luttj, PhD
3:10 - 3:30 Refreshment Break and Exhibits

Management of Retinal Vein Occlusions

Moderator: Sharon Solomon, MD

- 3:30 - 3:50 **New Approaches Aimed at Reducing Treatment Burden**
Catherine Meyerle, MD
3:50 - 4:10 **Anti-VEGF Drugs, Score 2 Results, and Steroids for Retinal Vein Occlusion**
Mira Sachdeva, MD, PhD
4:10 - 4:30 **Does Scatter Laser Reduce Macular Edema in Retinal Vein Occlusion Eyes on Anti-VEGF Therapy?**
J. Fernando Arevalo, MD, FACS
4:30 - 4:55 **Managing Retinal Vein Occlusions in 2017: Case Presentations**
Moderator: Ingrid Zimmer-Galler, MD
Discussants: J. Fernando Arevalo, MD, FACS; Catherine Meyerle, MD; Mira Sachdeva, MD, PhD
4:55 - 5:00 **Closing Remarks**
Sharon Solomon, MD
5:00 **Adjourn**

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

What's New in Diabetic Retinopathy and Venous Occlusive Disease

Speakers

Activity Director

Sharon Solomon, MD

*The Katharine Graham Professorship
Associate Professor of Ophthalmology
Johns Hopkins Medicine, The Wilmer Eye Institute*

Co-Directors

Peter Campochiaro, MD

*George S. and Dolores Dore Eccles
Professorship
Professor of Ophthalmology
Johns Hopkins Medicine,
The Wilmer Eye Institute*

Elia Duh, MD

*Professor of Ophthalmology
Johns Hopkins Medicine,
The Wilmer Eye Institute*

Johns Hopkins Speakers

J. Fernando Arevalo, MD, FACS

*The Edmund F. and Virginia B. Ball
Professor of Ophthalmology*

Morton Goldberg, MD

*Professor of Ophthalmology
Director Emeritus
Johns Hopkins Medicine,
The Wilmer Eye Institute*

Rita Kalyani, MD

Associate Professor of Ophthalmology

Gerard Lutty, PhD

*The G. Edward and G. Britton Durell
Professor of Ophthalmology
Director, Ocular Vasculogenesis and
Angiogenesis Laboratory*

Catherine Meyerle, MD

Assistant Professor of Ophthalmology

Mira Sachdeva, MD, PhD

Assistant Professor of Ophthalmology

Adrienne Scott, MD

Assistant Professor of Ophthalmology

Bonnielin Swenor, MD, PhD

Assistant Professor of Ophthalmology

Adam Wenick, MD, PhD

Assistant Professor of Ophthalmology

Ingrid Zimmer-Galler, MD

Associate Professor of Ophthalmology

Guest Speakers

David Baranano, MD, PhD

*Ophthalmologist
Retina Specialists
Towson, Maryland*

Emily Chew, MD

*Deputy Director, Division of Epidemiology and Clinical Applications
Retinal diseases; Age-related macular degeneration; Diabetic retinopathy
National Eye Institute (NEI), National Institutes of Health (NIH)
Bethesda, Maryland*

Michael Elman, MD

*Ophthalmologist
The Elman Retina Group
Baltimore, Maryland*

John Thompson, MD

*Ophthalmologist
The Retina Specialists
Towson, Maryland*

General Information

Registration

Friday, October 27, 2017
7:30 a.m.

Location

Thomas B. Turner Building

Johns Hopkins University School of Medicine
720 Rutland Avenue
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at <https://HopkinsCME.cloud-cme.com>. Handicapped parking is available in the nearby Rutland Garage.

Johns Hopkins is smoke-free.

Fees

REGISTRATION CUT-OFF DATE: October 22, 2017

Register Online at: <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10728>

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfast, refreshment breaks and lunch.

Physicians \$325
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals..... \$225
*with verification of status

You will receive a confirmation by e-mail. If you have not received it by October 22, 2017 call (410) 502-9634 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

Late Fee and Refund Policy

A \$50 late fee applies to registrations received after 5:00 p.m. ET on October 22, 2017. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by October 22, 2017. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

Syllabus

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

All registrants will receive a flash drive with the slides and paper for note-taking. This is included in the cost of your registration. A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus.

Hotel and Travel Information

Hyatt Place/Inner Harbor
511 South Central Avenue
Baltimore, Maryland, USA, 21202
(410) 558-1840

<https://baltimoreinnerharbor.place.hyatt.com>

Hotel Reservation Cut-off Date: October 13, 2017

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis. Hyatt Place Baltimore/Inner Harbor, located near Fells Point, offers a refreshing blend of style and innovation in a neighborhood alive with cultural attractions, shopping and amazing local restaurants. For affordable, comfortable Baltimore Inner Harbor accommodations

This schedule is subject to change.

Friday, October 27, 2017

in the heart of downtown Baltimore, you've come to the right place. Make your reservation by calling the hotel directly and specify that you are attending the Johns Hopkins Diabetic Retinopathy activity to receive the special group rate of \$165, single or double, plus tax. Transportation to and from the conference will be provided. On-site and valet parking are available at an additional charge. Check in time is: 3:00 p.m. Check out time is 12:00 noon.

Evaluation and Outcomes Survey

Post activity, an online evaluation form will be available to attendees to evaluate the activity and individual presentations and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. The last day to access the evaluation and attest to your credits is December 3, 2017.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

Emergency Calls

On October 27, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

Americans with Disabilities Act

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

To Register or For Further Information

Register Online

https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10728

Register by Phone (410) 502-9634
Register by Fax (866) 510-7088
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General Information (410) 955-2959
E-mail the Office of CME cmenet@jhmi.edu

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Organization Code: HopkinsCME



For website and CloudCME mobile app technical difficulties, email: cmetechsupport@jhmi.edu

For general information, please visit the activity webpage at https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10728

Acknowledgement

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

Registration Form

Course Number 80043672/10728

What's New In Diabetic Retinopathy and Venous Occlusive Disease?

October 27, 2017

TO REGISTER:

Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10728

Fax: (866) 510-7088 Phone: (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

Form with fields for last name, first name, m.i., highest degree, primary specialty, Hopkins Faculty/Staff Only - JHED ID, For Physicians Only - NPI 10 Digit #, State License #, State of License, mailing address, city, state, ZIP + 4 code, country, daytime telephone, fax number, email (required field).

Check here if you wish to receive e-mail notices about upcoming CME activities.

What do you hope to learn by attending this activity?

Please notify us if you have any special needs.

Registration Fees:

- Physicians\$325
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals.....\$225
*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on October 22, 2017 include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount \$ _____

Payment Type:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

- TR Form: http://benefits.jhu.edu/documents/trffacandstaff.pdf
ION Form: http://hopkinscme.edu/migration/ionRequest.pdf

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