The Wilmer Eye Institute’s
Current Concepts in Ophthalmology

31st Annual Baltimore Meeting
November 29-30, 2018
Thomas B. Turner Building
Johns Hopkins University School of Medicine
Baltimore, Maryland

This activity has been approved for AMA PRA Category 1 Credits™.

SAVE THE DATE!
36th Annual Course
NEW LOCATION
Hotel Talisa – Vail, Colorado
March 11-15, 2019
DESCRIPTION
This Current Concepts course will highlight the recent developments regarding diagnosis as well as medical and surgical therapy of common eye diseases. The participant should get a comprehensive review of the most current concepts in the management of ophthalmology by experts across the breadth of the field. For example, clinical trials and other evidence in the peer-reviewed literature over the past few years have changed the approach to managing cataracts, including IOL technology and femtosecond laser cataract surgery, corneal disease including dry eye disease, keratoplasty, and collagen cross linking, glaucoma and minimally invasive glaucoma surgical devices, as well as diabetic retinopathy, macular degeneration, and retinal vein occlusions. Furthermore, the role of optical coherence tomography (OCT) and other imaging advances are expanding the understanding of the anatomy of the anterior and posterior segment of the eye. This course will address the ongoing pattern of registrants with repeat requests for demonstrations of the latest surgical techniques and medical therapies, questions regarding practice management issues and clarification of legislative updates. There is a demand for expert education of new techniques and medical therapies as well as the need for elucidation of associated clinical trials, and this course provides extensive coverage of that.

WHO SHOULD ATTEND
These activities are intended for Ophthalmologists, Optometrists, and Ophthalmic Allied Health professionals.

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

1. Integrate prescribed medical and surgical treatment options into everyday practice.
3. Examine external legislative and internal practice issues impacting the field of ophthalmology.
4. Formulate current and advanced medical and surgical treatment strategies as well as imaging with corresponding ocular conditions, including: glaucoma, retina, anterior segment including dry eye, uveitis, refractive surgery and laser assisted cataract and corneal transplant surgery.
5. Discuss new medical techniques, therapies and relevant clinical trials.
7. Summarize the latest developments for the management of anterior and posterior segment problems.
8. Assess the latest developments for the management of pediatric ophthalmology and strabismus conditions.

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.

CREDIT DESIGNATION STATEMENT
The Johns Hopkins University School of Medicine designates this live activity for a maximum of 13.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS
American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

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 that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.
REGISTRATION
November 29, 2018 – 7:00 am

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. Complimentary round-trip transportation for attendees staying at conference headquarters hotel will be provided.

Johns Hopkins is smoke-free.

FEES
Register Online:

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

Physicians (Two days) ................................................................. $375
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals (Two days) ............................................................... $225
*with verification of status
Optometrists (Two days) ........................................................... $225
Physicians (One day) ................................................................. $200
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals (One day) .............................................................. $125
*with verification of status
Optometrists (One day) ............................................................. $125

You will receive a confirmation by e-mail. If you have not received it by November 23, 2018 call (410) 502-9636 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 November 23, 2018. 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 November 23, 2018. 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.

HOTEL AND TRAVEL INFORMATION
A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

Renaissance Harborplace Hotel
202 East Pratt Street
Baltimore, Maryland 21202
Reservations: (877) 212-5752 or (800) 468-3571
Fax: (410) 539-5780

Hotel Reservation Cut-Off Date: November 1, 2018

Reservation link:
https://book.passkey.com/event/49770090/owner/297/home

The Renaissance Baltimore Harborplace Hotel is part of the waterfront complex of Harborplace, and only steps away from the many attractions of Baltimore's Inner Harbor. Make your reservation online at the link above or call the hotel directly and specify that you are attending the Johns Hopkins/Wilmer Eye Institute's Current Concepts in Ophthalmology conference to receive the special group rate of $129, single or double, plus tax. Complimentary round-trip transportation will be provided. On-site parking is available at the hotel at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.
HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. The last day to access the evaluation and attest to your credits is January 14, 2019.

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 November 29-30, 2018 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.

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.

TO REGISTER OR FOR FURTHER INFORMATION

Register Online
Register by Phone ...................................................(410) 502-9636
Register by Fax .......................................................(866) 510-7088
Confirmation/Certificates/Transcripts ...................................................(410) 502-9636
General Information ...........................................................(410) 955-2959
E-mail the Office of CME ..................................................cmenet@jhmi.edu
Follow us on Twitter: http://twitter.com/HopkinsCME
Facebook: http://www.facebook.com/HopkinsCME

CloudCME
Check out our mobile app CloudCME.
Organization Code: HopkinsCME
For website and CloudCME mobile app technical difficulties, email: cmetechsupport@jhmi.edu
Sponsoring Department Website:
http://www.hopkinsmedicine.org/wilmer
For general information, please visit the activity webpage at
THURSDAY, NOVEMBER 29, 2018

7:00 – 8:00  Registration and Continental Breakfast
7:00 – 6:00  Exhibits Open
8:00 – 8:05  Welcome and Conference Goals
Neil Bressler, MD
8:05 – 8:15  Current Update on Academic Ophthalmology
Peter McDonnell, MD

Anterior Segment
Chair: Yassine Daoud, MD
8:15 – 8:30  Beyond Descemet Membrane Endothelial Keratoplasty (DMEK)
Albert Jun, MD, PhD
8:30 – 8:45  Surgical Outcome of Femtosecond Laser Assisted Cataract Surgery vs. Conventional Phacoemulsification
Yassine Daoud, MD
8:45 – 9:00  Pediatric Cornea Update
Christina Prescott, MD, PhD
9:00 – 9:15  PROSE Lens
Michelle Hessen, MD
9:15 – 9:30  Bariatric Ophthalmology: Anterior Segment Surgery in Massively Obese Patients
Robert Weinberg, MD
9:30 – 9:45  Cross Linking Update
Uri Soiberman, MD
9:45 – 10:00  Therapies for Ocular Surface Inflammation
Samuel Yiu, MD, PhD
10:00 – 10:30 Refreshment Break

The David Worthen Memorial Lecture
1:00 – 1:05  Introduction
Neil Bressler, MD
1:05 – 1:30  The Future is Now: Artificial Intelligence in Ophthalmology
Dmitri Azar, MD, MBA

Uveitis
Chair: Bryn Burkholder, MD
1:30 – 2:30  Case Presentations and Discussion
Case Order:
Meghan Berkenstock, MD
Bryn Burkholder, MD
Jennifer Thorne, MD, PhD
Amde Shifera, MD, PhD
Benjamin Chaon, MD
2:30 – 3:00 Refreshment Break

Neuro-Ophthalmology
Chair: Timothy McCulley, MD
3:00 – 3:10  Optic Neuropathy
Thomas Bosley, MD
3:10 – 3:20  Optic Disc Edema
Andrew Carey, MD
3:20 – 3:30  Traumatic Brain Injury
Eric Singman, MD, PhD
3:30 – 3:40  Congenital Cranial Dysinnervation Disorders
Amanda Henderson, MD
3:40 – 3:50  Isolated 6th Nerve Palsy
Neil Miller, MD
3:50 – 4:00  Questions and Answers
Timothy McCulley, MD

Socioeconomic Session – Concurrent with Optometric Session
Chairs: David Glasser, MD and John Thompson, MD
4:00 – 4:05  Introduction
John Thompson, MD
4:05 – 4:30  Ophthalmology Survivor - What Is the Future of Solo Practice, Single/Multispecialty Groups, University/Hospital Owned Practices and Venture Capital Buyouts?
Moderator: John Thompson, MD
Panel:
Laura Green, MD
Mona Kaleem, MD
Sachin Kalyani, MD
Alisa Kim, MD
Reginald Sanders, MD
Maria Scott, MD

The Joseph Smiddy Memorial Lecture
4:30 – 4:35  Introduction
Neil Bressler, MD
4:35 – 4:55  Manpower Needs and Physician Extenders in Ophthalmology
David Parke II, MD
4:55 – 5:05  How and What Might You Be Paid in the Future?  
CPT, RUC and MIPS  
Michael Repka, MD

5:05 – 5:15  The Drug Price Crisis and Washington’s Response to Limit Pharmaceutical Expenditures  
David Glasser, MD

5:15 – 5:25  Scope of Practice in Maryland and Beyond  
David Barañano, MD, PhD

Nancey McCann

5:35 – 5:45  Questions and Answers  
David Glasser, MD and Faculty

5:45 – 6:00  Summary and Adjourn  
Christina Prescott, MD, PhD

Optometric Session – Concurrent with Socioeconomic Session  

Chairs: Elliott Myrowitz, OD, MPH, Richard Schoen, OD, Jack Prince, OD

Tilghman Auditorium

4:00 – 4:10  Blue Light: When It’s Needed – When It’s Not  
Jack Prince, OD

4:10 – 4:30  Contact Lenses and Ocular Surface Disease  
Lindsay Ciocco, OD  
Gayle LePosa, OD

4:30 – 4:40  Unilateral Non-arteritic Ischemic Optic Neuropathy – A Case Study  
Richard Schoen, OD

4:40 – 4:50  Myopia Control: Where to Start or Advance in your Practice  
Elliott Myrowitz, OD, MPH

4:50 – 5:00  Questions and Answers  
Elliott Myrowitz, OD, MPH  
Richard Schoen, OD  
Jack Prince, OD

5:00  Adjourn

FRIDAY, NOVEMBER 30, 2018

7:30 – 8:00  Continental Breakfast

7:30 – 5:00  Exhibits Open

Retina  
Chairs: Peter Gehlbach, MD, PhD and Mira Sachdeva, MD, PhD

8:00 – 8:15  Telemedicine and Tele-ophthalmology at Johns Hopkins  
Ingrid Zimmer-Galler, MD

8:15 – 8:30  Management of Proliferative Diabetic Retinopathy in the 21st Century: Not Just PRP  
Susan Bressler, MD

8:30 – 8:45  The Comprehensive Ophthalmologist and Pediatric Retina  
Kim Jiramongkolchai, MD

8:45 – 9:00  Updates on Retinal Stem Cell Clinical Trials  
Mandeep Singh, MD, PhD

9:00 – 9:15  Update on Sickle Cell Retinopathy  
Adrienne Scott, MD

9:15 – 9:30  Central Serous Chorioretinopathy: A Puzzling Condition  
Catherine Meyerle, MD

9:30 – 9:45  Cooperative Management of the Complicated Lens  
Peter Gehlbach, MD, PhD

9:45 – 10:00  Update on Management of Diabetic Macular Edema  
Neil Bressler, MD

10:00 – 10:30  Refreshment Break

10:30 – 11:00  Retina Cases for the Anterior Segment Surgeon  
Neil Bressler, MD and Retina Division Faculty

Oculoplastic Surgery  
Chair: Timothy McCulley, MD

11:00 – 11:10  Neoplastic Disease  
Shannath Merbs, MD, PhD

11:10 – 11:20  Periocular Trauma  
Roxana Fu, MD

11:20 – 11:30  Palpebral Disease  
Ashley Campbell, MD

11:30 – 11:40  Lacrimal Disease  
Nicholas Mahoney, MD

11:40 – 11:50  Inflammatory Disease Clinical Challenges  
Fatemeh Rajaii, MD

11:50 – 12:15  Questions and Answers  
Timothy McCulley, MD

12:15 – 1:15  Lunch

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.  
This schedule is subject to change.
Pediatric Ophthalmology

**Chairs:** Megan Collins, MD, MPH and Michael Repka, MD

- **1:15 – 1:25**  
  **Prism Dispensing Patterns of One Orthoptist in a Large, Urban Medical Center**  
  Alex Christoff, CO

- **1:25 – 1:35**  
  **Vision Screening / Vision for Baltimore**  
  Megan Collins, MD, MPH

- **1:35 – 1:45**  
  **Challenges of Pediatric Glaucoma**  
  Courtney Kraus, MD

- **1:45 – 1:55**  
  **Measuring Prism and Progressive Power in Progressive Add Lenses**  
  Edward Kuwera, MD

- **1:55 – 2:05**  
  **The Dragged-Fovea Diplopia Syndrome: New Insights**  
  David Guyton, MD

- **2:05 – 2:15**  
  **Updates from PEDIG**  
  Michael Repka, MD, MBA

- **2:15 – 2:30**  
  **Questions and Discussion**

- **2:30 – 3:00**  
  **Refreshment Break**

Glaucoma

**Chair:** Henry Jampel, MD

- **3:00 – 4:30**  
  **Glaucoma Smackdown 2018**  
  Panelists: Harry Quigley, MD  
  David Friedman, MD, PhD, MPH  
  Michael Boland, MD, PhD  
  Pradeep Ramulu, MD, PhD  
  Ian Pitha, MD  
  Amanda Bicket, MD  
  E. Randy Craven, MD  
  Aakriti Garg, MD  
  Thomas Johnson, MD, PhD

- **4:30**  
  **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.

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**FACULTY**

**Activity Director**

Neil Bressler, MD  
James P. Gills Professor of Ophthalmology  
Chief, Retina Division

**Planning Committee**

Yassine Daoud, MD  
Assistant Professor of Ophthalmology

Christina Prescott, MD, PhD  
Assistant Professor of Ophthalmology

**Chairs**

Bryn Burkholder, MD  
Assistant Professor of Ophthalmology

Megan Collins, MD, MPH  
Assistant Professor of Ophthalmology

Peter Gehlbach, MD, PhD  
Professor of Ophthalmology

David Glasser, MD  
Assistant Professor of Ophthalmology

Henry Jampel, MD  
Professor of Ophthalmology

Timothy McCulley, MD  
Associate Professor of Ophthalmology

Elliott Myrowitz, OD, MPH  
Assistant Professor of Ophthalmology

Christina Prescott, MD, PhD, MPH  
Assistant Professor of Ophthalmology

Jack Prince, OD  
Associate Professor of Ophthalmology

Michael Repka, MD, MBA  
David L. Guyton, MD and Feduniak Family Professor of Ophthalmology  
Vice Chair, Clinical Practice

Mira Sachdeva, MD, PhD  
Assistant Professor of Ophthalmology

Richard Schoen, OD  
Clinical Associate in Ophthalmology

John Thompson, MD  
Ophthalmologist  
Retina Specialists  
Towson, Maryland
The Wilmer Eye Institute’s 31st Annual Current Concepts in Ophthalmology

NOVEMBER 29-30, 2018

To Register:

Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=15690
Fax: (866) 510-7088  Phone: (410) 502-9636

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.

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For Physicians Only

- NPI 10 digit #
- State License #
- State of License:

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**Registration Fees:**

- Physicians (Two days) .................................................. $375
- Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals (Two days) .................................................. $225
  *with verification of status
- Optometrists (Two days) ............................................. $225
- Physicians (One day) ................................................... $200
- Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals (One day) .................................................. $125
  *with verification of status
- Optometrists (One day) ............................................. $125

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on November 23, 2018, 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.
- ION Form: http://hopkinscme.edu/migration/IonRequest.pdf

- e-Check
  - Routing Number ________________________________
  - Account Number ________________________________

- Credit Card:
  - VISA  MASTERCARD  DISCOVER  AMEX
  - Card # __________- __________- __________- __________
  - Exp. Date ________
  - Billing Zip Code ________  Security Code __________
  - Name on Card ____________________________________
  - Signature and Date ________________________________