The Wilmer Eye Institute’s
Current Concepts in Ophthalmology

34th Annual Baltimore Meeting
December 2-3, 2021
INTERNET LIVE CONFERENCE
This activity has been approved for AMA PRA Category 1 Credits™.

SAVE THE DATE!
Retina Festival Update 2021
Internet Live Conference
Saturday, December 4, 2021

38th Annual Colorado Meeting
Grand Hyatt Vail
March 14-18, 2022
With live in-person and livestream participation options available.
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 cataract, including; IOL technology and femtosecond laser-assisted 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 these courses provide extensive coverage of that.

WHO SHOULD ATTEND
This activity is intended for ophthalmologists, optometrists, and ophthalmic allied health professionals.

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

• Summarize the latest developments for the management of anterior and posterior segment problems.

• Evaluate emerging literature on the efficacy, safety, and cost effectiveness of femtosecond laser-assisted cataract surgery.

• Discuss new medical techniques, therapies and recently published, relevant clinical trials.

• 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.

• Examine external legislative and internal practice issues impacting the field of ophthalmology.

• Assess the perioperative use of antibiotic and anti-inflammatory agents in patients undergoing eye surgery.

• Integrate prescribed medical and surgical treatment options into everyday practice.

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 14.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MAINTENANCE OF CERTIFICATION
American Board of Ophthalmology (ABO)
Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to satisfy the Lifelong Learning and Self-Assessment requirements for the American Board of Ophthalmology’s Maintenance of Certification program. It is the CME activity provider’s responsibility to submit learner completion information to ACCME for the purpose of granting MOC credit.

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

National Commission on Certification of Physician Assistants (NCCPA) PAs may claim a maximum of 14.75 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society.

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

POLICY ON PRESENTER AND PROVIDER DISCLOSURE
It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins 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 AND FEES
December 2, 2021 — 7:45 a.m. EST
Sign into Zoom

Register Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=32411

Methods of Payment: We require full payment prior to the start of the activity.

Physicians/Nurses/NPs/PAs/Allied Health Professionals..........................$75
Residents/Fellows/Students......................................................................................$25
*with verification of status

You will receive a confirmation by e-mail. If you have not received it by November 26, 2021, 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.

LATE FEE AND REFUND POLICY
A $25 late fee applies to registrations received after 5:00 p.m. ET on November 26, 2021. A handling fee of $25 will be deducted for cancellation. Refund requests must be received by fax or mail by November 26, 2021. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS AND LOG IN INFORMATION
The syllabus and Zoom Webinar link will be accessible online and via your mobile device in the CloudCME App one week prior to the activity start date. To access, please visit our website.

CME Website: https://hopkinscme.cloud-cme.com
(Sign In, Click My CME tab, Click Syllabus)

INTERNET CME POLICY
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HARDWARE/SOFTWARE REQUIREMENTS
Internet connection.

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 17, 2022.
General Information

AMERICANS WITH DISABILITIES ACT
The Johns Hopkins 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.

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 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.
THURSDAY, DECEMBER 2, 2021

7:00 – 8:00  Registration and Opportunity to Visit Virtual Exhibit Hall

General Session
8:00 – 8:05  Welcome and Conference Goals
Neil Bressler, MD

8:05 – 8:15  Academic Ophthalmology after COVID-19
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  Value and Cataract Surgery
Oliver Schein, MD, MPH

8:45 – 9:00  Cornea Infections: An Evidence-Based Update
Nakul Shekhawat, MD, MPH

9:00 – 9:15  Advances in Specular Microscopy
Allen Eghrari, MD, MPH

9:15 – 9:30  Advances in Cataract Surgery
Yassine Daoud, MD

9:30 – 9:45  Keratoconus Update
Uri Soiberman, MD

9:45 – 10:00  Innovation or Fantasy: Novel Therapies for Corneal Diseases and Dry Eye Disease
Samuel Yiu, MD, MS, PhD

10:00 – 10:30  Break and Opportunity to Visit Virtual Exhibit Hall

Anterior Segment
Chair: Shameema Sikder, MD
10:30 – 10:45  Endothelial Keratoplasty for Complex Eyes
Divya Srikumaran, MD

10:45 – 11:00  Modern Methods for Preventing Endophthalmitis
Fasika Woreta, MD, MPH

11:00 – 11:15  Small Incision Lenticule Extraction (SMILE)
Kraig Scot Bower, MD

11:15 – 11:30  AI Driven Performance Assessment Tools for Cataract Surgery
Shameema Sikder, MD

11:30 – 11:45  COVID-19: An Update on a Once in a Lifetime Pandemic
Alfred Sommer, MD

11:45 – 12:00  Questions and Answers / Discussion
Moderators: Yassine Daoud, MD and Shameema Sikder, MD

12:00 – 1:00  Lunch Break and Opportunity to Visit Virtual Exhibit Hall

The David Worthen Memorial Lecture
Introduction by Neil Bressler, MD
1:00 – 1:30  Pediatric Ophthalmology
Sharon Freedman, MD

Uveitis
Chair: Bryn Burkholder, MD
1:30 – 1:40  Viral Anterior Uveitis
Benjamin Chaon, MD

1:40 – 1:50  CMV-specific T-cell therapy for CMV retinitis
Bryn Burkholder, MD

1:50 – 2:10  Toxoplasmosis Chorioretinitis and Acute Retinal Necrosis
Douglas Jabs, MD, MBA

2:10 – 2:20  Ocular Tuberculosis
Jennifer Thorne, MD, PhD

2:20 – 2:30  Questions and Answers / Discussion
Moderator: Bryn Burkholder, MD
Panelists: Benjamin Chaon, MD; Bryn Burkholder, MD; Douglas Jabs, MD, MBA; Jennifer Thorne, MD, PhD

2:30 – 3:00  Break and Opportunity to Visit Virtual Exhibit Hall

Neuro–Ophthalmology
Chair: Amanda Henderson, MD
3:00 – 3:15  Optic Nerve Sheath Meningioma
Neil Miller, MD

3:15 – 3:30  Myasthenia Gravis
Andrew Carey, MD

3:30 – 3:45  Functioning Pituitary Adenomas
Amanda Henderson, MD

3:45 – 4:00  Pseudotumor Cerebri
Shahnaz Miri, MD, MBA

Panel Discussion to Follow Each Case Presentation
Panelists: Andrew Carey, MD; Amanda Henderson, MD; Shahnaz Miri, MD, MBA; Neil Miller, MD

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

Optometric Session
Concurrent with Socioeconomic Session
Chair: Jack Prince, OD

4:00 – 4:10 Oral Antibiotics and Their Consideration in Treating Eyelid Infection
Jack Prince, OD

4:10 – 4:20 Potential Role of Ganglion Cell Analysis in Glaucoma Evaluation
Corinne Casey, OD

4:20 – 4:30 It’s Not Over ’til It’s Over
Brice St. Clair, OD

4:30 – 4:40 The Current Considerations of Atropine in Myopia Control
Eleanor Min, OD

4:40 – 4:50 Non-Strabismic Binocular Vision Disorders for the Primary Care Optometrist
Katharine Funari, OD, MPH, FAAO

4:50 – 5:00 Questions and Answers / Discussion
Moderator: Jack Prince, OD

Socioeconomic Session
Concurrent with Optometric Session – in Collaboration with The Maryland Society of Eye Physicians and Surgeons
Chairs: Basil Morgan, MD and David Glasser, MD

4:00 – 4:05 Welcome and Session Goals
Basil Morgan, MD

4:05 – 4:30 Panel Discussion: Diversity in Residency Training
Moderator: Basil Morgan, MD
Panelists: Robert Higgins, MD; Bennie Jeng, MD; Mary Lou Collins, MD; Fasika Woreta, MD, MPH; Leslie Jones, MD; Sybil Pentsil, MD

4:30 – 5:00 Questions and Answers / Discussion
Moderator: Jack Prince, OD

The Joseph Smiddy Memorial Lecture
Introduction by Neil Bressler, MD

4:30 – 5:00 Fuchs Dystrophy: Past, Present and Future
Kathryn Colby, MD, PhD

Socioeconomic Session, Continued
Chairs: Basil Morgan, MD and David Glasser, MD

5:00 – 5:10 Coding Updates
Michael Repka, MD, MBA

5:10 – 5:20 Carrier Challenges: Hoops and Hurdles
David Glasser, MD

5:20 – 5:30 Maryland Legislative Update
Renee Bovelle, MD

5:30 – 5:40 Healthcare Priorities for a New Administration and Congress
Jillian Winans

5:40 – 5:55 Questions and Answers / Discussion
Moderator: Basil Morgan, MD

5:55 – 6:00 Closing Remarks
Renee Bovelle, MD

FRIDAY, DECEMBER 3, 2021

7:30 – 8:00 Registration and Opportunity to Visit Virtual Exhibit Hall

Retina – Part 1
Chairs: Amir Kashani, MD and Mark Breazzano, MD

8:00 – 8:10 Introduction to Day 2 of Current Concepts in Ophthalmology
Neil Bressler, MD

8:10 – 8:20 Pre-Operative Intravitreal Bevacizumab for Traction Retinal Detachment from Proliferative Diabetic Retinopathy
J. Fernando Arevalo, MD, PhD

8:20 – 8:30 Recent Applications of OCT Angiography
Amir Kashani, MD, PhD

8:30 – 8:40 Proliferative Diabetic Retinopathy Management in 2021
Susan Bressler, MD

8:40 – 8:50 Managing Macular Edema from Retinal Vein Occlusions
Mira Sachdeva, MD, PhD

8:50 – 9:00 Questions and Answer / Discussion

9:00 – 9:10 Aqueous Biomarkers Potentially Predicting Response to Anti-VEGF Therapy: Towards Precision Medicine for Neovascular AMD
Akrit Sodhi, MD, PhD

9:10 – 9:20 Gene Therapy to Deliver Anti-VEGF Proteins for Retinal and Choroidal Vascular Diseases
Peter Campochiaro, MD

9:20 – 9:30 Current Approaches to Geographic Atrophy in AMD
James Handa, MD

9:30 – 9:40 Practical Considerations Regarding Current Anti-VEGF Treatment for Neovascular AMD
Neil Bressler, MD

9:40 – 9:50 Questions and Answers / Discussion

9:50 – 10:20 Break and Opportunity to Visit Virtual Exhibit Hall
Program

**Retina – Part 2**  
*Chairs: Cindy Cai, MD and Adrienne Scott, MD*

- **10:20 – 10:30**  
  *Sickle Cell Retinopathy in 2021*  
  Adrienne Scott, MD

- **10:30 – 10:40**  
  *AI Applications to Retina*  
  TY. Alvin Liu, MD

- **10:40 – 10:50**  
  *Current Management of Diabetic Macular Edema*  
  Neil Bressler, MD

- **10:50 – 11:00**  
  *Big Data – Big Promises in Ophthalmology*  
  Cindy Cai, MD

- **11:00 – 11:10**  
  *Robotic Surgery in Retina – Continuing to Advance*  
  Peter Gehlbach, MD, PhD

- **11:10 – 11:20**  
  *How Did Retina Practices Change Following the COVID-19 Pandemic*  
  Mark Breazzano, MD

- **11:20 – 11:30**  
  *Questions and Answers / Discussion*  
  Moderators: Cindy Cai, MD and Adrienne Scott, MD

**Oculoplastic Surgery**  
*Chair: Ashley Campbell, MD*

- **11:30 – 11:40**  
  *Use of Tranexamic Acid in Surgery*  
  Nicholas Mahoney, MD

- **11:40 – 11:50**  
  *Dupixent Related Blepharitis*  
  Fatemeh Rajaii, MD, PhD

- **11:50 – 12:00**  
  *Techniques in Brow Fixation*  
  Colin Bacorn, MD

- **12:00 – 12:10**  
  *Management of Congenital Microphthalmic/ Anophthalmic Orbits*  
  Emily Li, MD

- **12:10 – 12:20**  
  *Side Effects from Teprotumumab*  
  Ashley Campbell, MD

- **12:20 – 1:15**  
  *Lunch Break and Opportunity to Visit Virtual Exhibit Hall*

**Pediatric Ophthalmology**  
*Chairs: Megan Collins, MD, MPH and Michael Repka, MD, MBA*

- **1:15 – 1:24**  
  *Tele-ophthalmology for Pediatric and Strabismus Care*  
  Alexander Christoff, CO

- **1:24 – 1:33**  
  *Retinoscopy for the Cataract Surgeon*  
  Edward Kuwera, MD

- **1:33 – 1:42**  
  *Marfan Syndrome and the Eye*  
  Jefferson Doyle, MBBCh, MHS, PhD

- **1:42 – 1:51**  
  *Lessons Learned From School-Based Vision Care in the Era of COVID-19*  
  Megan Collins, MD, MPH

- **1:51 – 2:00**  
  *Pediatric Glaucoma Surgery*  
  Courtney Kraus, MD

- **2:00 – 2:09**  
  *Outcomes with Intermittent Exotropia*  
  Cody Richardson, MD

- **2:09 – 2:18**  
  *An Epidemic of Divergence Insufficiency*  
  David Guyton, MD

- **2:18 – 2:27**  
  *Myopia Control Strategies – 2021*  
  Michael Repka, MD, MBA

- **2:27 – 2:40**  
  *Question and Answers / Discussion*  
  Moderators: Megan Collins, MD, MPH and Michael Repka, MD, MBA  
  Panelists: Alexander Christoff, CO; Jefferson Doyle, MBBCh, MHS, PhD; David Guyton, MD; Courtney Kraus, MD; Edward Kuwera, MD; Cody Richardson, MD

- **2:40 – 3:00**  
  *Break and Opportunity to Visit Virtual Exhibit Hall*

**Glaucoma**  
*Chair: Henry Jampel, MD*

- **3:00 – 3:15**  
  *Glucoma MIGS Plumbing: Unclogging the Drain and Turning Down the Faucet*  
  Thomas Johnson, MD, PhD

- **3:15 – 3:30**  
  *When MIGS Fail—What are the Minimally Invasive Options?*  
  Jella An, MD

- **3:30 – 4:30**  
  *Glucoma Challenges 2021*  
  Moderator: Henry Jampel, MD  
  Panelists: Harry Quigley, MD, Pradeep Ramulu, MD, PhD; Ian Pitha, MD; Mona Kaleem, MD; Jithin Yohannan, MD; Elyse McGlumphy, 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.
Speakers

FACULTY

Activity Director
Neil Bressler, MD
Professor of Ophthalmology

Planning Committee
Yassine Daoud, MD
Associate Professor of Ophthalmology

Shameema Sikder, MD
Associate Professor of Ophthalmology

JOHNS HOPKINS SPEAKERS

Jella An, MD
Assistant Professor of Ophthalmology

J. Fernando Arevalo, MD, PhD
Professor of Ophthalmology

Colin Bacorn, MD
Assistant Professor of Ophthalmology

Kraig Scot Bower, MD
Associate Professor of Ophthalmology

Mark Breazzano, MD
Assistant Professor of Ophthalmology

Susan Bressler, MD
Professor of Ophthalmology

Bryn Burkholder, MD
Assistant Professor of Ophthalmology

Cindy Cai, MD
Assistant Professor of Ophthalmology

Ashley Campbell, MD
Assistant Professor of Ophthalmology

Peter Campochiaro, MD
Professor of Ophthalmology

Andrew Carey, MD
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Corinne Casey, OD
Instructor of Ophthalmology

Benjamin Chaon, MD
Assistant Professor of Ophthalmology

Alexander Christoff, CO
Assistant Professor of Ophthalmology

Megan Collins, MD, MPH
Assistant Professor of Ophthalmology

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David Guyton, MD
Professor of Ophthalmology

James Handa, MD
Professor of Ophthalmology

Amanda Henderson, MD
Assistant Professor of Ophthalmology

Robert Higgins, MD
Professor of Surgery

Douglas Jabs, MD, MBA
Professor of Ophthalmology

Henry Jampel, MD
Professor of Ophthalmology

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Edward Kuwera, MD
Assistant Professor of Ophthalmology

Emily Li, MD
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T.Y. Alvin Liu, MD
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Nicholas Mahoney, MD
Assistant Professor of Ophthalmology

Peter McDonnell, MD
Professor and Chair of Ophthalmology

Elyse McGlumphy, MD
Assistant Professor of Ophthalmology

Neil Miller, MD
Professor of Ophthalmology

Eleanor Min, OD
Assistant Professor of Ophthalmology

Shahnaz Miri, MD, MBA
Assistant Professor of Ophthalmology

Basil Morgan, MD
Assistant Professor of Ophthalmology

Ian Pitha, MD
Assistant Professor of Ophthalmology

Jack Prince, OD
Associate Professor of Ophthalmology

Harry Quigley, MD
Professor of Ophthalmology

Fatemeh Rajaii, MD, PhD
Assistant Professor of Ophthalmology

Pradeep Ramulu, MD, PhD
Professor of Ophthalmology

Michael Repka, MD, MBA
Professor of Ophthalmology

Cody Richardson, MD
Assistant Professor of Pediatric Ophthalmology

Mira Sachdeva, MD, PhD
Assistant Professor of Ophthalmology

Oliver Schein, MD, MPH
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Assistant Professor of Ophthalmology
COURSE NUMBER 80055315/32411
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REGISTER ONLINE:
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REGISTRATION FEES:
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