



36th Annual Cullen Course

CLINICAL ADVANCES IN OPHTHALMOLOGY

February 25-26, 2022

HYATT REGENCY HOUSTON/GALLERIA
2626 Sage Road • Houston, TX 77056

This activity is jointly provided by Medical Education Resources
and Baylor College of Medicine, Cullen Eye Institute.
This activity is supported by an educational grant.



Visit cvent.me/BQYmRb to register online, or for more information.

Planning Committee

Mitchell P. Weikert, MD, MS | Richard C. Allen, MD, PhD | Activity Co-Directors

***Zaina Al-Mohtaseb, MD | Rod Foroozan, MD | Benjamin J. Frankfort, MD, PhD
Mohamed A. Hussein, MD | Tahira Scholle, MD***

David Paton Medal Lecturer

Christopher Rapuano, MD
Chief, Cornea Service, Wills Eye Hospital

Key Lecturer

Thomas Samuelson, MD
Founding Partner and Attending Surgeon of Minnesota Eye Consultants

Guest Speaker

Col. F. Harold "Hal" Kushner, MD, USMC, Retired

Baylor College of Medicine Course Faculty

Masih Ahmed, MD

Assistant Professor of Ophthalmology

Richard C. Allen, MD, PhD

Professor of Ophthalmology

Zaina Al-Mohtaseb, MD

Associate Professor of Ophthalmology

Amit R. Bhatt, MD

Assistant Professor of Ophthalmology

Lauren S. Blieden, MD

Associate Professor of Ophthalmology

Adam Cantor, MD

Assistant Professor of Ophthalmology

Peter T. Chang, MD

Associate Professor of Ophthalmology

Madhuri Chilikapati, MD

Associate Professor of Ophthalmology

Yvonne I. Chu, MD, MBA

Professor of Ophthalmology

Jafar El-Anaan, MD

Associate Professor of Ophthalmology

Rod Foroozan, MD

Professor of Ophthalmology

Benjamin J. Frankfort, MD, PhD

Associate Professor of Ophthalmology

Dan S. Gombos, MD, FACS

Professor and Chief
Section of Ophthalmology
MD Anderson Cancer Center

M. Bowes Hamill, MD

Professor of Ophthalmology

Honey Herce, MD

Assistant Professor of Ophthalmology

Mohamed A. Hussein, MD

Associate Professor of Ophthalmology

Sumitra S. Khandelwal, MD

Associate Professor of Ophthalmology

Eric Kim, MD

Assistant Professor of Ophthalmology

Douglas D. Koch, MD

Professor of Ophthalmology
Allen, Mosbacher, & Law Chair of Ophthalmology

Theresa Leung, MD

Assistant Professor of Ophthalmology

Brigid Marshall, MD

Assistant Professor of Ophthalmology

Alice Y. Matoba, MD

Associate Professor of Ophthalmology

Silvia D. Orengo-Nania, MD

Professor of Ophthalmology

Roma Patel, MD

Associate Professor of Ophthalmology

Stephen C. Pflugfelder, MD

Professor of Ophthalmology
James and Margaret Elkins Chair
of Ophthalmology

Tahira Scholle, MD

Assistant Professor of Ophthalmology

Debra J. Shetlar, MD

Associate Professor of Ophthalmology

J. Timothy Stout, MD, PhD, MBA

Chairman of Ophthalmology
Sid W. Richardson Professor
Margarett Root Brown Chair of Ophthalmology

Irene Tung, MD

Assistant Professor of Ophthalmology

Mitchell P. Weikert, MD, MS

Professor of Ophthalmology

Christina Y. Weng, MD, MBA

Associate Professor of Ophthalmology

Kimberly G. Yen, MD

Professor of Ophthalmology

Michael T. Yen, MD

Professor of Ophthalmology
Sarah Campbell Blaffer Chair of Ophthalmology

Program Overview

This program is designed to update medical clinicians regarding recent ophthalmology research and clinical outcomes in the basic and clinical sciences, therapeutics, technology and surgery. The purpose of this course is to update practicing ophthalmologists on the latest, clinically relevant advances in ophthalmology and to provide useful, evidence-based information on the diagnosis and treatment of ophthalmic disorders.

Target Audience and Educational Objectives

This course is designed for practicing ophthalmologists and ophthalmologists in training. At the conclusion of the activity, participants should be able to:

- List the different conditions that can mimic chalazia in children.
- List the causes of periocular inflammation and describe the appropriate work up and treatment.
- List the etiologies of glaucoma in the underserved populations of Houston and identify their barriers to care.
- Describe the characteristics of a corneal microsporidia infection and institute appropriate treatment.
- Recite the characteristics of the appropriate patient who will tolerate monovision and describe the optimal refractive errors for the distance and near eyes.

Educational Methods

Lectures | Case Presentations | Syllabus | Question and Answer Sessions

Evaluation

Evaluation by questionnaire will address program content, presentation, and possible bias.

Accreditation/Credit Designation

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Medical Education Resources (MER) and Baylor College of Medicine, Cullen Eye Institute. MER is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician Credit

Medical Education Resources designates this live activity for a maximum of 14.0 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABO MOC Recognition Statement

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to satisfy the 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.

Self-Assessment CME

This activity meets the Self-Assessment CME requirements defined by the American Board of Ophthalmology (ABO). Please be advised that the ABO is not an accrediting body for purposes of any CME program. The ABO does not sponsor this or any outside activity, and the ABO does not endorse any particular CME activity. Complete information regarding the ABO Self-Assessment CME Maintenance of Certification requirements is available at: <http://abop.org/maintain-certification/learning-self-assessment-activities/>.

Disclosure of Conflicts of Interest

In order to meet the requirements of the Accreditation Council for Continuing Medical Education (ACCME) it is the policy of Baylor College of Medicine that all individuals who are in a position to control the content of a CME course (course director, planning committee members, and faculty) disclose relevant financial relationships with commercial interests. All identified conflicts of interest are managed to help ensure that the educational material is scientifically based, accurate, and objectively presented. Specific disclosure will be made to the participants prior to the educational course.

Agenda: Friday, February 25, 2022

8:00 a.m. Welcome and ARS Questions

SESSION 1: Pediatric Ophthalmology | Moderator: Mohamed A. Hussein, MD

8:10 a.m. **Strabismus in Pediatric Cataract**

Kimberly G. Yen, MD

8:18 a.m. **The Role of IAC and Intravitreal Chemotherapy in the Management of Retinoblastoma**

Dan S. Gombos, MD, FACS

8:26 a.m. **Subclinical Keratoconus: What to Look For**

Eric Kim, MD

8:34 a.m. **When a Chalazion is Not a Chalazion**

Richard C. Allen, MD, PhD

8:42 a.m. **Late Ocular Complications of ROP**

Amit R. Bhatt, MD

8:50 a.m. **Don't Panic...Congenital Anterior Segment Abnormalities You See in Your Adult Clinic**

Mohamed A. Hussein, MD

8:58 a.m. **History and Techniques to Investigate Presence of Amblyopia**

Adam Cantor, MD

9:06 a.m. **Differentiating Acquired from Congenital or Syndromic V Strabismus**

Madhuri Chilakapati, MD

9:14 a.m. **Optic Nerve Changes in Kids with History of Prematurity**

Irene Tung, MD

9:22 a.m. **"What the Myelin!?" Education About Myelinated Nerve Fibers — When to Worry, or Not Worry**

Honey Herce, MD

9:30 a.m. **Anterior Segment Anomalies Found in Pediatric Glaucoma That May Be Seen in Adults**

Adam Cantor, MD

9:38 a.m. Audience Questions

9:45 a.m. Health Break

SESSION 2: Oculoplastics and Neuro-Ophthalmology | Moderator: Richard C. Allen, MD, PhD

10:15 a.m. **Importance of Demographics, Genetics and Risk Factors in Thyroid Eye Disease**

Michael T. Yen, MD

10:25 a.m. **Current Recommendations for Orbital Fracture Repair**

Richard C. Allen, MD, PhD

10:35 a.m. **Periocular Inflammatory Disorders**

Debra J. Shetlar, MD

10:45 a.m. **Doc, I'm Having Trouble Reading – Part 1**

Rod Foroozan, MD

10:55 a.m. **Eye Injuries in the NBA**

Michael T. Yen, MD

11:05 a.m. **Am I missing a systemic cause of nasolacrimal duct obstruction?**

Richard C. Allen, MD, PhD

11:15 a.m. **Doc, I'm Having Trouble Reading – Part 2**

Rod Foroozan, MD

11:25 a.m. **Nuances of Corneal Neurotization: Using Allografts and the Infraorbital Coaptation Approach**

Michael T. Yen, MD

11:35 a.m. Audience Questions

Friday, February 25, 2022 *(continued)*

11:45 a.m. Lunch

ETHICS LECTURE

12:45 p.m. **The Discipline of Suffering: Five Years a Slave**
Hal Kushner, MD

SESSION 3: Glaucoma | Moderator: Benjamin J. Frankfort, MD, PhD

1:45 p.m. **Optic Nerve Regeneration: Science Fiction or Reality?**
Benjamin J. Frankfort, MD, PhD

2:00 p.m. **Alternative Approaches to Glaucoma Therapy: Beyond Eye Drops**
Roma Patel, MD

2:15 p.m. **Glaucoma in the Trenches: The Harris Health Experience**
Yvonne I. Chu, MD, MBA

2:30 p.m. **Visual Fields: Pearls and Pitfalls**
Peter T. Chang, MD

2:45 p.m. **Anterior Segment Imaging in Glaucoma: Pearls and Pitfalls**
Lauren S. Blieden, MD

3:00 a.m. Health Break/Exhibits Open

KEY OPHTHALMIC LECTURE

3:20 p.m. **Introduction**
J. Timothy Stout, MD, PhD

The Role of the Native Lens in the Pathogenesis and Management of Glaucoma
Thomas Samuelson, MD

4:00 p.m. **Glaucoma Case Conference**
Lauren S. Blieden, MD; Peter T. Chang, MD; Yvonne I. Chu, MD, MBA; Benjamin J. Frankfort, MD; Silvia D. Orengo-Nania, MD; and Roma Patel, MD

4:30 p.m. Audience Questions

4:40 p.m. ARS Questions

4:50 p.m. Adjournment

Agenda: Saturday, February 26, 2022

8:00 a.m. Welcome and ARS Questions

SESSION 4: Retina | Moderator: Tahira Scholle, MD

8:10 a.m. **Update on Retinal Arterial Occlusive Disease**
Brigid Marshall, MD

8:20 a.m. **Macular OCT Findings You Need to Know**
Tahira Scholle, MD

8:30 a.m. **What's New for Dry AMD**
J. Timothy Stout, MD, PhD

8:40 a.m. **Update on Treatment for Uveitic Macular Edema**
Theresa Leung, MD

8:50 a.m. **Subretinal Gene Therapy: Where We Are and Where We're Going**
Christina Y. Weng, MD, MBA

9:00 a.m. **Uveal Melanoma: The Role of Prognostication Based on Size, Staging, and FNAB**
Dan S. Gombos, MD, FACS

Audio or videotaping is prohibited without written permission from the Activity Director. Faculty, topics, program schedule, and credits are subject to change.

Saturday, February 26, 2022 *(continued)*

- 9:10 a.m. **Controversies in Retina: Pro/Con Debates**
Jaafar El-Anaan, MD; Theresa Leung, MD; Brigid Marshall, MD; Tahira Scholle, MD; J. Timothy Stout, MD; and Christina Y. Weng, MD, MBA
- 9:40 a.m. Audience Questions
- 9:45 a.m. Health Break

SESSION 5: Anterior Segment – Cataract/Refractive | Moderator: Mitchell P. Weikert, MD **CONTROVERSIES IN CATARACT SURGERY**

- 10:15 a.m. **Multifocal vs. Monofocal IOLs**
M. Bowes Hamill, MD and Mitchell P. Weikert, MD
- 10:30 a.m. **FLACS vs. Conventional Phaco**
Douglas D. Koch, MD and Zaina Al-Mohtaseb, MD
- 10:45 a.m. **Sequential vs. Bilateral Same-Day Cataract Surgery**
Masih Ahmed, MD and Sumitra S. Khandelwal, MD
- 11:00 a.m. **Drops vs. Dropless Cataract Surgery**
Douglas D. Koch, MD and Stephen C. Pflugfelder, MD

MY TOP 5 PEARLS

- 11:15 a.m. **Anterior Vitrectomy**
Zaina Al-Mohtaseb, MD
- 11:20 a.m. **Toric IOLs**
Douglas D. Koch, MD
- 11:25 a.m. **Monovision**
Mitchell P. Weikert, MD
- 11:30 a.m. **Prepping the Ocular Surface for Cataract Surgery**
Stephen C. Pflugfelder, MD
- 11:35 a.m. **Intrasccleral Haptic Fixation**
Masih Ahmed, MD
- 11:40 a.m. **Missed the Target – Treating Residual Refractive Error**
Douglas D. Koch, MD
- 11:45 a.m. **Small Pupil Management**
Sumitra S. Khandelwal, MD
- 11:50 a.m. **Human Optics Artificial Iris**
M. Bowes Hamill, MD
- 11:55 p.m. Audience Questions
- 12:05 p.m. Lunch

SESSION 6: Cornea and External Disease | Moderator: Alice Y. Matoba, MD

- 1:00 p.m. **Microsporidia: Emerging Corneal Pathogen of India...and Houston**
Alice Y. Matoba, MD
- 1:10 p.m. **Vaccination-Related Corneal Inflammation: What to Tell Your Patients Before Shingrix and COVID Shots**
Alice Y. Matoba, MD
- 1:20 p.m. Audience Questions

PATON MEDAL LECTURE

- 1:30 p.m. **Introduction** | *J. Timothy Stout, MD, PhD*
Office and Minor Surgery Procedures for Ocular Surface Disease — Especially Prior to Cataract Surgery
Christopher Rapuano, MD
- 2:30 p.m. Health Break/Exhibits Open

SESSION 7: Anterior Segment – Cornea | Moderator: Zaina Al-Mohtaseb, MD

UPDATE ON CORNEAL ENDOTHELIAL DISEASE

- 3:00 p.m. **DSAEK**
Masih Ahmed, MD
- 3:05 p.m. **DMEK**
Mitchell P. Weikert, MD
- 3:10 p.m. **Complex DMEK**
M. Bowes Hamill, MD
- 3:15 p.m. **DSO, Rho Kinase Inhibitors, Cell Injection**
Zaina Al-Mohtaseb, MD
- 3:20 p.m. **Graft Rejection Update**
Stephen C. Pflugfelder, MD
- 3:25 p.m. **Anterior Corneal Sequelae**
Sumitra S. Khandelwal, MD
- 3:30 p.m. **Panel Discussion**
(participants)

KERATOCONUS – STATE OF THE UNION

- 3:35 p.m. **Genetics/Etiology**
Zaina Al-Mohtaseb, MD
- 3:40 p.m. **Ectasia Screening/Progression**
Mitchell P. Weikert, MD
- 3:45 p.m. **Crosslinking**
Sumitra S. Khandelwal, MD
- 3:50 p.m. **Contact Lenses**
Stephen C. Pflugfelder, MD
- 3:55 p.m. **Surgery – Inlays/Hydrops**
Masih Ahmed, MD
- 4:00 p.m. **Surgery – Keratoplasty**
M. Bowes Hamill, MD
- 4:05 p.m. **Panel Discussion**
(participants)
- 4:10 p.m. **Challenging Cases: Experts on the Spot**
Masih Ahmed, MD; Zaina Al-Mohtaseb, MD; M. Bowes Hamill, MD; Sumitra Khandelwal, MD; Douglas D. Koch, MD; Stephen C. Pflugfelder, MD; Christopher Rapuano, MD; and Mitchell P. Weikert, MD
- 4:40 p.m. Audience Questions
- 4:50 p.m. ARS Questions
- 5:00 p.m. Adjournment



Fee, Registration, and Confirmation Information

Refer to the registration form for the fee schedule. Your registration will not be processed until payment is received. Your registration will be confirmed. If you have not received confirmation at least five business days before the activity start date, contact the Department of Ophthalmology immediately.

If you plan to register on-site, contact the Department of Ophthalmology at least 24 hours in advance to confirm activity status and space availability. The Department of Ophthalmology reserves the right to limit the number of participants in an activity and will not be responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

Visit event.me/BQYmRb to register.

Cancellation/Refund Policy

Requests for registration refunds must be in writing and received by the Department of Ophthalmology at least 10 business days before the activity begins. The date the request is received by the Department of Ophthalmology will be considered the cancellation date. Requests received after the refund deadline will not be processed. Cancellations are subject to a \$50 administrative fee deducted from the paid registration fee to cover guarantees and other expenses. Requests should be emailed to robinc@bcm.edu or faxed to 713.798.3027.

The Department of Ophthalmology reserves the right to cancel activities, not less than 10 business days before the scheduled date, if extenuating circumstances make it necessary. Registrants will be notified at the contact number indicated on the registration form, and again in writing. If an activity is cancelled, the Department of Ophthalmology's liability is limited to the paid registration fee. Note: If the registration payment was made by check, a Social Security number is required to process the refund.

Conference Location and Accommodations

Hyatt Regency Houston/Galleria

2626 Sage Road, Houston, TX 77056
832.803.1234

Accommodations should be arranged directly with Hyatt Regency Houston/Galleria. Please identify yourself with the **BCM 36th Annual Cullen Course** when making reservations in order to benefit from the special group rate of \$139 single/double. Rooms have been reserved at the special rate on a space available basis. The deadline to receive this rate is **February 3, 2022** unless the room block has already been filled.

Reserve your room early: hyatt.com/en-US/group-booking/HOURG/G-BYLR

Syllabus

An email with the link will be sent out the week of the conference to all who have preregistered to access the online syllabus. Hard copy and USB syllabus are NOT available.

Attire

Attire for the conference is business casual. Since meeting room temperatures and personal comfort levels vary, it is recommended that you bring a sweater or jacket.

Parking (complimentary valet parking)

For Further Information

Baylor College of Medicine
Department of Ophthalmology
1977 Butler Blvd., E2.201
Houston, TX 77030

Email: robinc@bcm.edu

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HYATT REGENCY HOUSTON/GALLERIA

Registration

Registration Fees

Physician.....	\$670	Fellow	\$370
Physician (one day).....	\$570	Retired Physician	\$370
BOAA Member.....	\$570	Nurse.....	\$370
BOAA Member (one day)	\$395	Technician	\$370
BCM Faculty.....	\$395	Other Healthcare Professional.....	\$470
Resident	\$370		

Three Ways to Register and Pay (Your registration must be PREPAID)

U.S. Mail: Complete registration form and include your check/money order (address below).

Fax: Complete registration form, including credit card information and fax to 713.798.3027.

Online: cvent.me/BQYmRb

☐ Check or money order (in U.S. funds) made payable to: *Baylor College of Medicine*

☐ Visa® ☐ MasterCard® ☐ Discover® ☐ AMEX® \$ _____ **Total amount enclosed**

Card No. _____ Exp. Date: _____

Name on the Card: _____

Authorized Signature: _____

(Please print clearly)

Name: _____
First MI Last

Degree: _____ Please check if: ☐ Resident ☐ Fellow

Affiliation: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ Mobile: _____

Email: _____

Specialty: _____

Emergency Contact: _____ Phone: _____

National Provider Identifier (NPI): _____ Prof. License: _____

No./State

Address for mail-in registration and payments:

Baylor College of Medicine • Department of Ophthalmology
1977 Butler Blvd., E2.201, Houston, TX 77030

Special Requests

Contact the Department of Ophthalmology (robinc@bcm.edu) if you have any dietary needs (specify below) or any ADA accommodation needs.

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Date:
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