

The 44th Resident and Alumni Day

Saturday, June 8, 2024

Sponsored by:

**UT Southwestern Department of Ophthalmology
and the UT Southwestern Office of Continuing Education**

Course Directors

Preston H. Blomquist, M.D.

J. William Harbour, M.D.

Richard M. Hession, M.D.

HONORED GUEST SPEAKER

“The Evolution of Character in Academic Medicine” and “Potential Pitfalls in Pediatrics Neuro-Ophthalmology.”

R. Michael Siatkowski, M.D.

CEO, Dean McGee Eye Institute, Edward L. Gaylord Professor and Chair, David Ross Boyd Professor and Residency Director at the Dean McGee Eye Institute Department of Ophthalmology, University of Oklahoma

DISTINGUISHED ALUMNA PRESENTATION

“Eyes Wide Open - My Lessons in Pediatric Cataracts”

Serena X. Wang, M.D.

Professor, Department of Ophthalmology and Pediatrics
UT Southwestern Medical Center, Dallas, TX

PURPOSE AND CONTENT

This one-day live course is designed to provide practicing ophthalmologists a comprehensive day of updates and latest advances in the ophthalmology field. Didactic lectures and interactive Q&A session will discuss: rare and unusual cases which might otherwise not be seen; reports on results of current and new surgical procedures; technologies and treatment modalities which could be incorporated into practices; and comprehensive reviews of other ophthalmic topics germane to the everyday practice of ophthalmology.

TARGET AUDIENCE

This CME Conference is designed for primary care providers, nurse practitioners, physician assistants, and specialists in Ophthalmology Practice seeking updates in practical knowledge relating to patient care.

EDUCATIONAL METHODS

Lectures, Slide Presentations, and Question and Answer Sessions

EDUCATIONAL OBJECTIVES

Upon completion of this activity, participants should be able to:

- Recognizing common pediatric neuro-ophthalmic conditions and how to identify errors in those diagnosis. Gain insight into the psychological and emotional aspects of illness and their impact on symptom expression.
- Identify the physiological and psychological effects of stress on individual health and professional performance and emphasizing the importance of proactive stress management.
- Development of resilience-building skills to enhance coping mechanisms and adaptability in the face of adversity and uncertainty.
- Defining relevant outcome measures to assess the effectiveness and safety of astigmatism correction with LALs compared to standard lenses, including visual acuity, refractive error, astigmatism reduction, contrast sensitivity, and patient satisfaction.
- Describe the principles of pediatric corneal transplantation, including donor tissue selection, graft sizing, and surgical techniques for suturing and wound closure. Identify common congenital and acquired ocular conditions that may require corneal transplantation in pediatric patients.
- Analyze and interpret the differences in refractive outcomes between patients who underwent cataract surgery with intraoperative aberrometry guidance and those who underwent surgery with preoperative biometry and IOL calculations.
- Analyze and interpret the reported success rates of probing and tubing for NLDO cases in adults, focusing on the proportion of cases that achieved resolution of symptoms and restored lacrimal drainage function without requiring additional surgical interventions.
- Identify and differentiate between emerging nonsurgical and surgical treatment modalities for festoons, including their mechanisms of action, indications, contraindications, and potential benefits compared to traditional approaches.
- Learners will assess the importance of thorough pre-operative evaluations in identifying patients at a higher risk of worse outcomes, including the role of comorbidities such as diabetes mellitus.
- Identify the signs and symptoms of congenital cataracts.
- Identify clinical features suggestive of congenital cataracts during routine pediatric eye examinations.
- Analyze the indications for surgical intervention in congenital cataracts, including timing considerations, surgical techniques, and potential complications.

ACCREDITATION AND CREDIT DESIGNATION STATEMENTS

The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Physicians

The University of Texas Southwestern Medical Center designates this live educational activity for a maximum of 6 AMA PRA Category 1 Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Non-Physicians

The University of Texas Southwestern Medical Center certifies that non-physicians will receive an attendance certificate stating that they participated in the activity that was designated for 6 AMA PRA Category 1 Credit™.

Optometry Credit

Your attendance and license number will be submitted to the Texas Optometry Board following this course for credit.

EVALUATIONS AND CERTIFICATES

CME Certificates (Physicians) and Certificates of Attendance (Non-Physicians) are available online after the electronic evaluation is completed. This evaluation is an important tool for assessing the effectiveness of this activity as well as for planning future activities. Within two weeks, all attendees will receive an email with a link to access the evaluation. Once the evaluation is completed, attendees can claim credit (CME, Attendance) and view/download/print certificate.

DISCLAIMER

This symposium has been planned to be well-balanced and objective in discussion of comparative treatment regimens, and the symposium format allows for the free scientific exchange of ideas. Information and opinions offered by the speakers represent their viewpoints. Conclusions drawn by the audience should be derived from careful consideration of all available scientific information.

DISCLOSURE OF UNLABELED USES

This educational activity may contain discussion of published and/or investigational uses of agents that are not approved by the U.S. Food and Drug Administration. For additional information about approved uses, including approve indications, contraindications, and warnings, please refer to the prescribing information for each product, or consult the Physicians' Desk Reference.

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Guest Speaker

R. Michael Siatkowski, M.D.

CEO, Dean McGee Eye Institute, Edward L. Gaylord Professor and Chair, David Ross Boyd Professor and Residency Director at the Dean McGee Eye Institute Department of Ophthalmology, University of Oklahoma

Distinguished Alumna

Serena X. Wang, M.D.

Professor, Department of Ophthalmology and Pediatrics, UT Southwestern Medical Center, Dallas, TX

Department of Ophthalmology Residents

PYG 4 Residents
Karl Andersen, M.D.
William Ford, M.D.
Matthew Gillings, M.D.
Madeline Hogan, M.D.
Ryan Kim, M.D.
Snehaa Maripudi, M.D.
Arjun Merchant, M.D.
Pooja Parikh, M.D.
Scott Zhou, M.D.

ACKNOWLEDGMENTS

The University of Texas Southwestern Medical Center gratefully acknowledges exhibitors from the following companies in support of this CME activity:

Bausch + Lomb

Carl Zeiss Meditec, Inc.

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DISCLOSURE OF FINANCIAL RELATIONSHIPS WITH INELIGIBLE COMPANIES

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The following is a listing of all individuals that contributed to the educational content of this activity and any reported financial relationships within the last 24 months:

NAME	ROLE	RELATIONSHIP/COMPANY
Preston Blomquist, M.D.	Course Director Peer Reviewer	None
Richard Hession, M.D.	Course Director	None
J. William Harbour, M.D.	Course Director	<u>Patent</u> Washington University (Royalties) <u>Consulting</u> - Castle Biosciences (Travel) - Immunocore, Ltd
Karl Andersen, M.D.	Speaker	None
William Ford, M.D.	Speaker	None
Matthew Gillings, M.D.	Speaker	None
Madeline Hogan, M.D.	Speaker	None
Ryan Kim, M.D.	Speaker	None
Snehaa Maripudi, M.D.	Speaker	None
Arjun Merchant, M.D.	Speaker	None
Pooja Parikh, M.D.	Speaker	None
R. Michael Siatkowski, M.D., MBA	Speaker	None
Serena Wang, M.D.	Speaker	None
Scott Zhou, M.D.	Speaker	None
Nichole Reichert	Education Events Coordinator	None
Briauna Ryans	CME Coordinator	None

44th Annual Resident & Alumni Day

CONFERENCE PROGRAM

7:45-8:10 AM **Sign-In and Breakfast**

8:10-8:15 AM Welcome and Introduction
- *Richard M. Hession, M.D.*

Moderator: Noy Ashkenazy, M.D.

8:15-8:30 AM Outcomes Analysis of Final Best Corrected Visual Acuity in Diabetic vs. Nondiabetic Patients after Complex Cataract Surgery
W. Cameron Ford, M.D.
Mentor: Steven Verity, M.D.
Critiquer: Jacob Thomas, M.D.

8:30-8:45 AM Comparison of Astigmatism Outcomes using Toric Lenses vs. Light Adjustable Lenses
Matthew Gillings, M.D.
Mentor: Jeremy Bartley, M.D.
Critiquer: Zahra Ali, M.D.

8:45-9:00 AM Refractive Accuracy of the ORA Intraoperative Aberrometry for Routine, Toric, and Post-Refractive Surgery Cataracts
Ryan Kim, M.D.
Mentor: Steven Verity, M.D.
Critiquer: Ashish Singh, M.D.

9:00-9:35 AM **SEYMOUR B. GOSTIN MEMORIAL LECTURESHIP SPEAKER INTRODUCTION**
- *J. William Harbour, M.D.*

The Evolution of Character in Academic Medicine
- *R. Michael Siatkowski, M.D.*

9:35-9:40 AM Q&A

9:40-10:10 AM **Break & PGY 3 Poster Session**

Outcomes of Topo-guided vs. Wavefront Optimized LASIK
Cody Hansen, M.D.
Mentor: William Waldrop, M.D.

9:40-10:10 AM Retrospective Comparison Study of Visual and Refractive Outcomes of Cataract Surgery with Light Adjustable Lenses vs. Multifocal Intraocular Lenses
Victoria Ly, M.D., M.P.H.
Mentor: Jeremy Bartley, M.D.

The Outcomes of Surgical Planning with Argos vs. Verion Digital Systems in Toric Intraocular Lens Implantation
Jahan Tajran, M.D.
Mentor: William Waldrop, M.D.

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Break & PGY 3 Poster Session (Cont.'d)

Bi-Allelic TCF4 Trinucleotide Repeat Expansions in Fuchs' *Endothelial Corneal Dystrophy*

Danielle Block, M.D.

Mentor: V. Vinod Mootha, M.D.

12:25-12:55 PM

Outcomes of Micropulse Cyclophotocoagulation in Neovascular Glaucoma

Sarah Kenny, M.D.

Mentor: Shivani Kamat, M.D.

Outcomes of the Baerveldt Shunt vs. Ahmed ClearPath Glaucoma Implant

Sejal Lahoti, M.D., M.P.H.

Mentor: Shivani Kamat, M.D.

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Causes and Outcomes of Enucleation Across Institutions

Marilyn Collins, M.D.

Mentor: Kamel Itani, M.D.

12:55-1:25 PM

Retrospective Review of Pan-Retinal Photocoagulation in Patients with Quiescent Proliferative Diabetic Retinopathy

Aish Ramamurthi, M.D.

Mentor: Angeline Wang, M.D.

Outcome of Open Globe Injuries at Children's Medical Center

Betty Tong, M.D.

Mentor: Jessica Thayer, M.D.

10:15-10:30 AM

Impact of Cataract Surgery on Mental Well-Being

Snehaa Maripudi, M.D.

Mentor: Preston H. Blomquist, M.D.

Critiquer: Claire Chu, M.D.

10:30-10:45 AM

Pediatric Corneal Transplant Outcomes: Risk Factor Assessment

Karl Andersen, M.D.

Mentor: S. Serdar Dogan, M.D.

Critiquer: Subir Bhatia, M.D.

10:45-11:00 AM

Corneal Collagen Crosslinking Outcomes for the Treatment of Keratoconus in Pediatric Patients

Madeline Hogan, M.D.

Mentor: S. Serdar Dogan, M.D.

Critiquer: David Lu, M.D.

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11:00-11:10 AM **Presentation of Faculty Years of Service and Adjunct Faculty Years of Service Awards**
- *Preston H. Blomquist, M.D.*

11:10-11:35 AM **PRESENTATION OF DISTINGUISHED ALUMNA AWARD**
Honoring Serena X. Wang, M.D.
Cornea Fellowship 1999 / Ophthalmology Residency 2003 / Pediatric Fellowship 2004
- *J. William Harbour, M.D.*

Eyes Wide Open - My Lessons in Pediatric Cataracts
- *Serena X. Wang, M.D.*

11:35-11:40 AM Q&A

11:45-1:25 PM **Lunch & PGY 3 Poster Session**
- *Ophthalmology Group Photo*

1:30-2:05 PM **SPEAKER INTRODUCTION**
- *J. William Harbour, M.D.*

Potential Pitfalls in Pediatric Neuro-Ophthalmology
- *R. Michael Siatkowski, M.D.*

2:05-2:15 PM Q&A

Moderator: Margaret Wang-French, M.D.

2:15-2:30 PM Evaluation of Probing and Tubing in the Management of Nasolacrimal Duct Obstruction in Adults
Pooja Parikh, MD
Mentor: *Kamel Itani, M.D.*
Critiquer: *Meredith Abbott, M.D.*

2:30-2:45 PM Histopathology of Festoons
Scott Zhou, M.D.
Mentor: *Ronald Mancini, M.D.*
Critiquer: *Adriane Schiano, M.D.*

2:45-3:00 PM Outcomes and Presence of Retinal Vasculitis in Patients with Post-Cataract Cystoid Macular Edema
Arjun Merchant, M.D.
Mentor: *Noy Ashkenzay, M.D.*
Critiquer: *Robert Wang, M.D.*

3:00 PM **Closing Remarks / Adjourn**
