



UPMC Eye Center
Eye and Ear Institute
203 Lothrop Street
Pittsburgh, PA 15213

Nonprofit Org.
U.S. Postage
PAID
Pittsburgh, PA
Permit No. 4166

36th Annual Midwest Glaucoma Symposium

Setting New Standards in Glaucoma



September 27 - 28, 2013

University Club • Pittsburgh, PA

For online registration, visit:

<https://cehs.upmc.com/liveFormalCourses.jsf>

36th Annual Midwest Glaucoma Symposium

Setting New Standards in Glaucoma



September 27 - 28, 2013

University Club • Pittsburgh, PA

Course Director

Nils A. Loewen, MD, PhD

Assistant Professor of Ophthalmology
University of Pittsburgh
Director, Glaucoma Service
UPMC Eye Center

UPMC

Sponsored by:
University of Pittsburgh School of Medicine
Center for Continuing Education
in the Health Sciences
and
UPMC Eye Center
Department of Ophthalmology

Course Co-Directors

Joel S. Schuman, MD, FACS

Eye & Ear Foundation Professor and Chairman
Department of Ophthalmology
Director, UPMC Eye Center
Director, Louis J. Fox Center for Vision Restoration

Ian Conner, MD, PhD

Assistant Professor of Ophthalmology
Glaucoma Service
University of Pittsburgh / UPMC Eye Center

Kimberly V. Miller, MD

Assistant Professor of Ophthalmology
Glaucoma Service
University of Pittsburgh / UPMC Eye Center

Overview

Glaucoma specialists deal with some of the most difficult cases and must analyze subjective and objective data to plan the best therapeutic approach. It's estimated that in the United States and world-wide, the incidence of glaucoma will rapidly increase as the population ages and most will be unaware that they have it. This is a treatable disease. Recently there have been significant diagnostic and surgical advances in the field of glaucoma. The conference is devoted to providing the latest update in the diagnosis, evaluation, and management of glaucoma. An important feature of this conference is the generous time allotted in panel discussions to learn from the experts.

This conference is intended to update comprehensive and subspecialty ophthalmologists, fellows, residents, nurses, and other eye care professionals on the latest advances in glaucoma diagnosis and therapy, with special emphasis on both standard and novel surgical techniques.

Objectives

At the conclusion of this course, the participant will be able to:

- Identify progression of glaucoma and choose the next appropriate step in therapy
- Apply the latest information from clinical trials to one's practice
- Knowledgeably approach the patient with both cataract and glaucoma
- Select the appropriate patient for surgery with shunts or tubes
- Diagnose and manage bleb complications
- Choose between the myriad of topical glaucoma medications

Who Should Attend

This course is geared toward comprehensive and subspecialty ophthalmologists, residents, fellows, nurses, and other eye care professionals.

Continuing Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine 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.

Other health care professionals are awarded **1.4** continuing education units (CEU's) which are equal to **14.0** contact hours.

36th Annual Midwest Glaucoma Symposium

Setting New Standards in Glaucoma

Schedule — Friday, September 27, 2013

8:30 am	INTRODUCTION
	Nils Loewen, MD, PhD; Joel Schuman, MD, FACS; Kimberly Miller, MD; Ian Conner, MD, PhD
	FUNCTION
8:50 am	Field Analysis and Meaning of Functional Loss Angelo Tanna, MD
9:10 am	Importance of Circadian IOP in Clinical Care Arthur Sit, MD
9:30 am	Shootout: SLT versus PGA: Is a Monocular Trial a One Armed Bandit? Tony Realini, MD, MPH
9:50 am	Interrelatedness of Accommodation and Outflow in the Aging Eye Paul Kaufman, MD
	STRUCTURE I
10:10 am	Imaging the Anterior Segment Hiroshi Ishikawa, MD
10:30 am	Live Outflow Tract Imaging Larry Kagemann, PhD
10:50 am	Panel Discussion / Question & Answer Session
11:10 am	Break

STRUCTURE II

11:25 am **Imaging to Diagnose Glaucoma and Detect Progression**
Gadi Wollstein, MD

11:45 am **Structure/Function Studies and Neuroprotection**
Paul Kaufman, MD

12:05 pm **Biomechanics of the Optic Nerve**
Ian Sigal, MD

12:25 pm Lunch — Ballroom A

1:25 pm **Glaucoma in the Visual Brain — Beyond the RNFL**
Ian Conner, MD, PhD

1:45 pm **Panel Discussion / Question & Answer Session**

KAPETANSKY-ALLERGAN LECTURE

Continuous 24-hr. Monitoring of IOP
Robert Weinreb, MD

EPIDEMIOLOGY AND ECONOMICS

2:50 pm **The Growing Glaucoma Prevalence**
David Friedman, MD, MPH, PhD

3:10 pm **Who Do We Need to Watch Most Closely?**
Paul Lee, MD, JD

3:30 pm Break

3:45 pm **Role of Genetics in the Glaucoma Clinic:
Anterior and Posterior Segment Genes**
Janey Wiggs, MD

4:05 pm **How to Survive in the Coming Health Care System**
Paul Lee, MD, JD

ALCON INTERNATIONAL LECTURE

Effect of Physician Remuneration Fees on Glaucoma Procedures
Yvonne M. Buys, MD, FRCSC

5:15 pm **Friday Adjournment**

Schedule — Saturday, September 28, 2013

8:30 am INTRODUCTION

Nils Loewen, MD, PhD; Joel Schuman, MD, FACS;
Kimberly Miller, MD; Ian Conner, MD, PhD

8:50 am COHEN-MERCK LECTURE

Pediatric Glaucoma
Ken Nischal, MD, FRCOphth

GLAUCOMA SURGERY

9:10 am **Standardizing Trabeculectomy**
Leon Herndon, MD

9:30 am **Update on Drainage Device Implantation and Patch Techniques**
Dale Heuer, MD

9:50 am **Angle Closure: New Insights into Mechanism and Treatments**
David Friedman, MD, MPH, PhD

10:10 am **Comprehensive ECP**
Robert Noecker, MD, MBA

10:30 am **Panel Discussion / Question & Answer Session**

10:50 am Break

11:05 am **What Canal Surgery to Recommend**
Malik Kahook, MD

11:25 am **Key Steps to Making Trabectome Surgery Highly Successful**
Nils Loewen, MD, PhD

11:45 am **Panel Discussion:
Special Considerations for Cornea and IOL Selection in Glaucoma**
Leela Raju, MD; Ian Conner, MD, PhD; Deepinder Dhaliwal, MD, LAc

12:05 pm **Video Symposium: Techniques and Disasters**

Kimberly Miller, MD

12:25 pm Lunch — Ballroom A

1:30 pm **KEYNOTE LECTURE**

The RGC Index to Diagnose and Monitor Glaucoma

Robert Weinreb, MD

ELECTRONIC HEALTH RECORDS

2:15 pm **New Standards in Electronic Health Records:**

Our Experience with the Most Mature Epic Instance in Ophthalmology

Joel Schuman, MD, FACS

2:35 pm **Coding and Compensation Today and Tomorrow**

Mary Johnson, COMT, CPC, COE, CPMA

2:55 pm **Panel Discussion / Question & Answer Session**

3:15 pm Break

OUTLOOK

3:30 pm **Regenerative Medicine in Ophthalmology**

Joel Schuman, MD, FACS

3:50 pm **Perspective on TM Stem Cells**

Yiqin Du, MD, PhD

4:10 pm **Tools for Outflow Tract Bioengineering**

Nils Loewen, MD, PhD

4:30 pm **Panel Discussion: Case Presentation**

4:50 pm **Conference Adjournment**

Schedule is subject to change.

Course Director

Nils A. Loewen, MD, PhD

Assistant Professor of Ophthalmology

University of Pittsburgh

Director, Glaucoma Service

UPMC Eye Center

Pittsburgh, Pennsylvania

Course Co-Directors

Joel S. Schuman, MD, FACS

Eye and Ear Foundation Professor

and Chairman

Department of Ophthalmology

University of Pittsburgh School of Medicine

Director, UPMC Eye Center

Pittsburgh, Pennsylvania

Ian P. Conner, MD, PhD

Assistant Professor of Ophthalmology

Glaucoma Service

University of Pittsburgh / UPMC Eye Center

Pittsburgh, Pennsylvania

Kimberly V. Miller, MD

Assistant Professor of Ophthalmology

Glaucoma Service

University of Pittsburgh / UPMC Eye Center

Pittsburgh, Pennsylvania

Guest Faculty

Yvonne M. Buys, MD, FRCS

Professor of Ophthalmology &

Visual Sciences

University of Toronto

Co-Director, Glaucoma Unit,

University Health Network

Toronto, Ontario, Canada

David S. Friedman, MD, MPH, PhD

Professor, Ophthalmology

Wilmer Eye Institute

Professor, International Health,

Johns Hopkins Bloomberg School

of Public Health

Director Glaucoma Fellowship Program

Wilmer Eye Institute

Baltimore, Maryland

Leon W. Herndon, MD

Associate Professor of Ophthalmology

Department of Ophthalmology

Duke University School of Medicine

Durham, North Carolina

Dale K. Heuer, MD

Professor & Chairman of Ophthalmology

Director, Eye Institute

Medical College of Wisconsin

Milwaukee, Wisconsin

Mary Johnson, COMT, CPC, COE, CPMA

Senior Consultant

Corcoran Consulting Group

San Bernardino, California

Malik Y. Kahook, MD

Professor
 Director, Glaucoma Service &
 Glaucoma Fellowship
 Director, Clinical & Translational Research
 Department of Ophthalmology
 University of Colorado School of Medicine
 Boulder, Colorado

Paul Kaufman, MD

Wisconsin Regional Primate
 Research Center
 Animal Health and Biomedical Sciences
 School of Veterinary Medicine
 Director, Glaucoma Services
 Madison, Wisconsin

Paul P. Lee, MD, JD

Glaucoma, Cataract and Anterior
 Segment Disease
 F. Bruce Fralick Professor and Chair of
 Ophthalmology and Visual Sciences
 Director, W.K. Kellogg Eye Center
 Ann Arbor, Michigan

Robert J. Noecker, MD, MBA

Ophthalmic Consultants of Connecticut
 Fairfield, Connecticut

Anthony Realini, MD, MPH

Associate Professor
 West Virginia University
 Morgantown, West Virginia

Arthur J. Sit, MD

Associate Professor of Ophthalmology
 Mayo Clinic
 Rochester, Minnesota

Angelo Tanna, MD

Associate Professor in Ophthalmology
 Northwestern University Feinberg
 School of Medicine
 Chicago, Illinois

Robert N. Weinreb, MD

Chairman and Distinguished
 Professor of Ophthalmology
 Director of the Shiley Eye Center
 Director of the Hamilton Glaucoma Center
 Morris Gleich MD Chair of Glaucoma
 Shiley Eye Center, UC San Diego
 San Diego, California

Janey Wiggs, MD

Associate Chief, Ophthalmology
 Clinical Research
 Associate Director, Ocular Genomics
 Institute
 Massachusetts Eye and Ear
 Boston, Massachusetts

Local Faculty**Deepinder K. Dhaliwal, MD, LAc**

Associate Professor of Ophthalmology
 Director, Cornea, External Disease Service
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Yiqin Du, MD, PhD

Research Assistant Professor of
 Ophthalmology
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Hiroshi Ishikawa, MD

Assistant Professor of Ophthalmology and
 Bioengineering
 Director, Ocular Imaging Center
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Larry Kagemann, PhD

Research Assistant Professor of
 Ophthalmology and Bioengineering
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Kanwal K. Nischal, MD

Professor of Ophthalmology
 Division Chief, Pediatric Ophthalmology
 Director, Pediatric Program Development
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Leela V. Raju, MD

Assistant Professor of Ophthalmology
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Ian Sigal, MD

Assistant Professor of Ophthalmology
 Laboratory of Ocular Biomechanics
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Gadi Wollstein, MD

Associate Professor of Ophthalmology
 Director, Ophthalmic Imaging Research
 Laboratories
 University of Pittsburgh School of Medicine
 Pittsburgh, Pennsylvania

Faculty for this activity has been required to disclose all relationships with any proprietary entity producing health care goods or services.

The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, as fully explained in Policy 07-01-03, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity and expression, genetic information, disability, or status as a veteran. The University also prohibits and will not engage in retaliation against any person who makes a claim of discrimination or harassment or who provides information in such an investigation. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University's mission. This policy applies to admissions, employment, and access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations. For information on University equal opportunity and affirmative action programs, please contact: University of Pittsburgh; Office of Affirmative Action, Diversity, and Inclusion; Carol W. Mohamed, Director (and Title IX, 504 and ADA Coordinator); 412 Bellefield Hall; 315 South Bellefield Avenue; Pittsburgh, PA 15260; 412-648-7860. For complete details on the University's Nondiscrimination Policy, please refer to Policy 07-01-03. For information on how to file a complaint under this policy, please refer to Procedure 07-01-03.

Registration

Registering online is the quickest and easiest way to reserve your space at CCEHS conferences.

1. Visit our online registration site at <https://ccehs.upmc.com/liveFormalCourses.jsf>
2. Click the *Registration* button and enter all the requested information (including an email address and follow the prompts to submit your registration after entering your payment information.
3. Print the automatic electronic registration confirmation email sent to the email address you provided us when you registered. If you do not receive this confirmation, please contact us at (412) 647-8313.

Paper Registrations by Fax or Mail *(see contact information below)*

If you are unable to register online please submit a request for paper form. UPMC employees whose registration fee will be remitted via journal transfer must request the paper registration form.

A confirmation letter will be faxed or mailed if registration is completed through the mail or fax by the pre-registration deadline. If you register online, you will receive an immediate email confirmation message.

Please note: Registration is not complete until you receive this confirmation. If you do not receive this letter within 5-7 days of registration, please contact us at (412) 647-8313 or (412) 683-7551.

You must bring this confirmation letter with you to the conference.

Registration Fee — \$340.00

Registration fee for two days includes (for conference registrants only):

- Continuing education credit
- Registration and course materials
- Continental breakfast, refreshments and lunch

Cancellation

All cancellations must be in writing and sent to us via U.S. mail, email or fax. Tuition for cancellations postmarked or date stamped before or on **September 16, 2013** will be completely refunded. After **September 17, 2013**, a \$35 administrative fee will be assessed. No refunds will be made after **September 25, 2013**. Cancellation requests can be made to:

Mary Lindenfelder, GME

Senior Department Manager

UPMC Eye Center • 203 Lothrop Street, Suite 821.1

Pittsburgh, PA 15213 • (412) 647-5119 (fax)

The UPMC Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees.



Meeting Location

The conference will be held at the **University Club** located on the University of Pittsburgh campus at 123 University Place, Pittsburgh, PA 15260.

Overnight Accommodations

The conference has contracted a limited number of hotel rooms at the **Hilton Garden Inn** for conference attendees. You may book a room by calling the hotel at (412) 683-2040 and asking for the *Midwest Glaucoma block rate* in order to receive our reduced rates. The special reduced rate is \$149. These accommodations are not included in registration fee. If you experience any problems booking your room, please telephone the UPMC Eye Center at (412) 683-7551 or (412) 647-2256.

Special Needs

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs **at least two weeks** in advance of the program by calling (412) 683-7551 or (412) 864-3283.

For Additional Information, Contact:

Mary Lindenfelder, GME

Senior Department Manager

(412) 683-7551

Siobahn Gallagher

Senior Business Analyst

(412) 647-2256

Lauren Wally

Manager, Communications

& External Affairs

(412) 864-3283