



Cole Eye Institute

New Location  
**KEY LARGO, FLORIDA**

3rd Annual

# Innovations in Ophthalmology

Spring Break in Key Largo with the Brightest Minds  
in Ophthalmology

March 16-19, 2009

Ocean Reef Club | Key Largo, Florida



Register Today: [www.ccfcmeye.org/eye11](http://www.ccfcmeye.org/eye11)

# Cole Eye Institute Presents the 3rd Annual Innovations in Ophthalmology

March 16-19, 2009 | Key Largo, Florida

Spring Break in Key Largo with the Brightest Minds in Ophthalmology



## Overview

This educational activity continues our tradition of providing ophthalmologists with the knowledge and skill required to prevent, diagnose, and treat eye disease. In addition, it will provide an opportunity for lively discussions and debates during Meet the Professor Breakfasts. The course features an outstanding faculty and a comprehensive array of topics.

## Session Topics

- Age-Related Macular Degeneration Management in the Era of Pharmacology
- What's New in the Treatment of Non-exudative Age-Related Macular Degeneration?
- Glaucoma Decisions the Comprehensive Ophthalmologist Will Face
- Ectasia Screening in Refractive Surgery
- Femtosecond Lasers
- Topics in Anterior Segment Disease for the Comprehensive Ophthalmologist
- Endothelial Keratoplasty
- Glaucoma Updates
- Current Management of Diabetic Retinopathy and Vein Occlusion
- Posterior Segment Complications of Anterior Segment Surgery
- Cataract Video Symposium and Case Presentations
- Corneal Biomechanics and Collagen Crosslinking
- The Problem of Pain, Pus, and Presbyopia

## Objectives

As a result of attending this educational activity, the participant will be able to:

- Describe the pathogenesis of various ocular disorders;
- Evaluate the therapeutic benefits, risks, and indications for new diagnostic and surgical techniques;
- Construct individualized management strategies for treating specific ophthalmic diseases.



## Faculty

### Course Director

**Andrew P. Schachat, MD**  
Interim Chairman  
Vice Chairman for Clinical Affairs  
Cole Eye Institute  
Cleveland Clinic

### Cleveland Clinic Cole Eye Institute Faculty

**Peter K. Kaiser, MD**  
Director  
Digital OCT Reading Center  
Vitreoretinal Staff

**Anna S. Kitzmann, MD**  
Cornea Staff

**Ronald R. Krueger, MD**  
Medical Director  
Refractive Surgery Department

**Scott D. Smith, MD, MPH**  
Glaucoma Staff

**Steven E. Wilson, MD**  
Professor of Ophthalmology  
Cleveland Clinic Lerner College  
of Medicine of Case Western  
Reserve University  
Director of Corneal Research

### Guest Faculty

**Perry S. Binder, MD, MS**  
Gordon-Binder-Weiss  
Vision Institute  
Co-Medical Director, AMO/  
IntraLase Corporation  
Medical Director, Ophthonix  
San Diego, CA

**David K. Dueker, MD**  
Professor of Ophthalmology  
The Eye Institute  
Medical College of Wisconsin  
Milwaukee, WI

**Andrew J. W. Huang, MD, MPH**  
Professor of Ophthalmology and  
Visual Sciences  
School of Medicine  
Washington University in St. Louis  
St. Louis, MO

**Robert H. Osher, MD**  
Medical Director  
Cincinnati Eye Institute  
Professor of Ophthalmology  
University of Cincinnati  
Cincinnati, OH

**Kirk H. Packo, MD, FACS**  
Professor and Chairman  
Rush University Medical Center  
Illinois Retina Associates  
Chicago, IL

**Louis R. Pasquale, MD**  
Assistant Professor of  
Ophthalmology  
Harvard Medical School  
Co-Director, Glaucoma Service  
Massachusetts Eye and  
Ear Infirmary  
Boston, MA

**Francis W. Price, Jr., MD**  
Medical Director  
Cornea Research Foundation  
of America  
Price Vision Group  
Indianapolis, IN

**J. Bradley Randleman, MD**  
Assistant Professor of  
Ophthalmology  
Section of Cornea, External  
Disease, and Refractive Surgery  
Emory Eye Center  
Emory University School  
of Medicine  
Atlanta, GA

**Philip J. Rosenfeld, MD, PhD**  
Professor of Ophthalmology  
Bascom Palmer Eye Institute  
University of Miami  
Miami, FL

## Monday, March 16, 2009

7:00 am Registration & Exhibits

### Meet the Professor Breakfast

Join lively discussions and debates with the Retina and Glaucoma Faculty

7:55 am Welcome and Introductions  
*Andrew P. Schachat, MD*

8:00 am - 10:00 am

### Retina

Moderator: *Peter Kaiser, MD*

#### Age-Related Macular Degeneration Management in the Era of Pharmacology

- Anti-VEGF for Age-Related Macular Degeneration  
*Kirk H. Packo, MD, FACS*
- Combination Treatment for Exudative Age-Related Macular Degeneration  
*Peter K. Kaiser, MD*
- Future Therapies for Exudative Age-Related Macular Degeneration  
*Peter K. Kaiser, MD*

#### What's New in the Treatment of Non-exudative Age-Related Macular Degeneration?

- Spectral Domain OCT of Dry Age-Related Macular Degeneration  
*Philip J. Rosenfeld, MD*
- Emerging Therapies for Dry Age-Related Macular Degeneration  
*Philip J. Rosenfeld, MD*

- Laser Treatment for Dry Age-Related Macular Degeneration: Lessons from the Complications of Age-Related Macular Degeneration Prevention Trial  
*Andrew P. Schachat, MD*

10:00 am Refreshment Break and Exhibits

10:30 am to 12:30 pm

### Glaucoma Decisions the Comprehensive Ophthalmologist Will Face

Moderator: *Scott D. Smith, MD, MPH*

- Optic Nervehead/RNFL Imaging: Device Selection and Use  
*David K. Dueker, MD*
- Exfoliation Glaucoma: An Update  
*Louis R. Pasquale, MD*
- Management of Glaucoma in Patients with Ocular Inflammation  
*Scott Smith, MD, MPH*
- Trab vs Tube: Making the Choice  
*David K. Dueker, MD*
- Blood Flow and Glaucoma: Where Is the Field Going?  
*Louis R. Pasquale, MD*
- Managing Combined Cataract/Glaucoma  
*David K. Dueker, MD*

6:00 pm Welcome Reception

## Tuesday, March 17, 2009

7:00 am Registration & Exhibits

### Meet the Professor Breakfast

Join lively discussions and debates with the Refractive and Coronary Faculty

8:00 am to 10:00 am

### Refractive

Moderator: *Ronald R. Krueger, MD*

#### Ectasia Screening in Refractive Surgery

- Refractive Surgical Screening: The Ectasia Risk Scoring System  
*J. Bradley Randleman, MD*
- Assessment of Post-LASIK Ectasia Scoring Systems  
*Perry S. Binder, MD, MS*
- Pentacam, OCT, and ORA Waveforms in Prescreening Ectasia  
*Ronald R. Krueger, MD*
- Corneal Topographic Evaluation: Efficacy, Reproducibility, and Inter-observer Agreement  
*J. Bradley Randleman, MD*
- Ectasia Screening Discussion  
*Ronald R. Krueger, MD, Perry S. Binder, MD, MS, J. Bradley Randleman, MD*

#### Femtosecond Lasers

- Biomechanics of Ultrathin IntraLASIK Flaps vs Microkeratomes  
*Ronald R. Krueger, MD*
- IntraLASIK Complications: Differences Compared with Microkeratome LASIK  
*Steven E. Wilson, MD*
- Review of Current Corneal Femtosecond Laser Technologies  
*Perry S. Binder, MD, MS*

- Femtosecond Lasers for Corneal Transplantation  
*Perry S. Binder, MD, MS*

- Femtosecond Lasers Discussion  
*Perry S. Binder, MD, MS, Ronald R. Krueger, MD, Steven E. Wilson, MD*

10:00 am Refreshment Break & Exhibits

10:30 am to 12:30 pm

### Cornea

Moderator: *Anna S. Kitzmann, MD*

#### Topics in Anterior Segment Disease for the Comprehensive Ophthalmologist

- Current Concepts of Cicatricial Conjunctivitis  
*Andrew J. W. Huang, MD, MPH*
- Recent Advances in Ocular Surface Disease  
*Andrew J. W. Huang, MD, MPH*
- Management of Acanthamoeba Keratitis  
*Anna S. Kitzmann, MD*
- Update on the Management of Sterile Corneal Ulcers  
*Andrew J. W. Huang, MD, MPH*
- Management of Corneal Neovascularization  
*Andrew J. W. Huang, MD, MPH*

#### Endothelial Keratoplasty

- Endothelial Keratoplasty: Results, Techniques, and the Role of Descemet's Membrane  
*Francis W. Price, Jr., MD*
- Deep Anterior Lamellar Keratoplasty: Why This Is Now the Preferred Technique for Keratoconus and Many Cornea Scars?  
*Francis W. Price, Jr., MD*

## Wednesday, March 18, 2009

7:00 am Registration & Exhibits

### Meet the Professor Breakfast

Join lively discussions and debates with the Retina and Glaucoma Faculty

8:00 am to 10:00 am

### Glaucoma Updates

Moderator: Scott D. Smith, MD, MPH

- Teaching Glaucoma Surgery: Experience with the Express Mini-Shunt  
*David K. Dueker, MD*
- Gene Environment Interactions in Primary Open-Angle Glaucoma  
*Louis R. Pasquale, MD*
- Central Corneal Thickness and Glaucoma  
*David K. Dueker, MD*
- Applications of Anterior Segment OCT in Glaucoma  
*Scott D. Smith, MD, MPH*
- Predicting, Preventing, and Managing Complications of Glaucoma Surgery  
*David K. Dueker, MD*
- What Can Telemedicine Offer in the Delivery of Ophthalmic Care?  
*Louis R. Pasquale, MD*

10:00 am Refreshment Break & Exhibits

10:30 am to 12:30 pm

### Retina

Moderator: Andrew P. Schachar, MD

### Current Management of Diabetic Retinopathy and Vein Occlusion

- Current Concepts in the Management of Diabetic Macular Edema  
*Andrew P. Schachar, MD*
- Anti-VEGF Therapy for Macular Edema  
*Philip J. Rosenfeld, MD*
- Future Therapies for Macular Edema  
*Peter K. Kaiser, MD*
- Surgical Management of Diabetic Retinopathy  
*Kirk H. Packo, MD, FACS*

### Posterior Segment Complications of Anterior Segment Surgery

- Retinal Detachment Following Cataract Surgery  
*Andrew P. Schachar, MD*
- Current Concepts in Posterior Segment Complications of Anterior Segment Surgery  
*Kirk H. Packo, MD, FACS*



## Thursday, March 19, 2009

7:00 am Registration & Exhibits

### Meet the Professor Breakfast

Join lively discussions and debates with the Refractive and Cataract Faculty

8:00 am to 10:00 am

### Cataract Video Symposium and Case Presentations

Moderator: Anna Kitzmann, MD

- Repair of Iris Defects and the Use of Artificial Iris Implants  
*Francis W. Price, Jr., MD*
- Challenging Cases in Cataract Surgery and Management of Complications  
*Robert H. Osher, MD*

10:00 am Refreshment Break & Exhibits

10:30 am to 12:30 pm

### Refractive

Moderator: Steven E. Wilson, MD

### Corneal Biomechanics and Collagen Crosslinking

- Corneal Biomechanics and Implications for Refractive Surgery  
*J. Bradley Randleman, MD*
- Preliminary Results of Corneal Collagen Crosslinking for Keratoconus and Post-Lasik Ectasia: US FDA Clinical Trials  
*Perry S. Binder, MD, MS*

- Cellular Changes in the Cornea after Riboflavin UV Crosslinking  
*Steven E. Wilson, MD*
- New Dosing, Methods, and Indications for Collagen Crosslinking  
*Ronald R. Krueger, MD*
- Discussion of Corneal Biomechanics and Collagen Crosslinking  
*Perry S. Binder, MD, MS, Ronald R. Krueger, MD, J. Bradley Randleman, MD, Steven E. Wilson, MD*

### The Problem of Pain, Pus, and Presbyopia

- Ocular Complex Regional Pain Syndrome (CRPS) after LASIK: Does It Exist?  
*Steven E. Wilson, MD*
- Infectious Keratitis after Refractive Surgery: Current Trends  
*J. Bradley Randleman, MD*
- Monovision LASIK for the Correction of Presbyopia  
*Ronald R. Krueger, MD*
- Acufocus Corneal Inlays for Presbyopia Correction  
*Perry S. Binder, MD, MS*
- Pain, Pus, and Presbyopia Discussion  
*Perry S. Binder, MD, MS, Ronald R. Krueger, MD, J. Bradley Randleman, MD, Steven E. Wilson, MD*

# General Information

## Ocean Reef Club

35 Ocean Reef Drive  
Key Largo, Florida 33037

Local: 305-367-2611 Toll Free: 800-741-7333

Information: For further information about this course, contact UNITECH Communications® at:  
Local: 216-448-0770 Toll Free: 800-238-6750

Web Address: [www.cfcme.org/eye11](http://www.cfcme.org/eye11)

For questions about registering online, call 216-448-0777.

If you have any special needs that require additional assistance, please call 216-448-0770. Requests must be received at least 2 weeks prior to the course.

## Registration and Cancellation

Pre-registrations are accepted by fax or online until 4:00 pm ET March 11, 2009. To register after this date, you must do so onsite. In case of cancellation, a full refund will be made if canceled by February 1, 2009. After February 1, 2009, a \$200 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER MARCH 31, 2009.

## American with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify UNITECH Communications® at 216-448-0770 at least 2 weeks prior to the course.

## Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 20 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.

## Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

## Ground Transportation

Ocean Reef Club is just a 50-minute drive from Miami International Airport. Taxi service is available from Miami International Airport to the Ocean Reef Club.

## Going Green



**Online Syllabus:** Registrants will be able to access and view the syllabus online before the meeting. A print version will not be available onsite. Attendees will be able to print individual handouts prior to the meeting. Meeting registrants will receive an email with instructions about how to access the online syllabus.



# General Information

## About Key Largo and the Keys

Key Largo is located on the northernmost island of the Florida Keys. It is sandwiched between the Everglades National Park and North America's only living coral barrier reef. Enjoy Florida Keys National Marine Sanctuary featuring the Spiegel Grove, a 510-foot Navy ship wreck. Key Largo is known for its diving and fishing activities. Other destinations in the Florida Keys include Islamorada, Marathon, Big Pine Key and lower keys, and Key West. For more information visit: [www.fla-keys.com](http://www.fla-keys.com).



## Ocean Reef Club

Please join us at our new location at the Ocean Reef Club in tropical Key Largo, Florida! This haven is a secure private club community which mimics a stylish Fishing Village with colorful collage of boutiques, bistros, and a marina. The boutiques feature everything from island fashions to Venetian glassware to ice cream sundaes.

The resort's exclusive offers include:

- 36 holes of championship golf
- Tennis courts
- Full-service salon and spa
- 12 restaurants and lounges
- Private beach and aqua rentals
- A 175-slip marina with fishing charters

## Guest Rooms

The Ocean Reef Club is recognized by The Robb Report as one of America's most exclusive club communities. Select from more than 300 luxury accommodations including ocean-view rooms and suites, spacious villas and beautiful homes, many with private pools. Your vacation rental features elegant island décor and lavish amenities such as marble flooring, high-definition flat-screen televisions and sumptuous baths with oversized tubs.

A block of rooms has been reserved at the Ocean Reef Club for a special rate of \$350 (plus 11.5% tax and a daily \$15 service charge) until February 13, 2009. To make your reservations, contact the Hotel Reservations Department at 800-741-7333 or [reservations@oceanreef.com](mailto:reservations@oceanreef.com). Please identify yourself as being with the Cleveland Clinic Innovations in Ophthalmology meeting. The special rate is also available 3 days prior and 3 days after the course in case you would like to extend your stay. The \$15 daily service charge includes gratuities paid to Bellmen, Housekeepers, Pool Attendants, and Van Drivers on-property transportation.

## Reef Club Kids

The Reef Club Kids program offers half-day and full-day programs for children aged 4 to 10. Children are divided into age groups, which are overseen by well-trained and qualified counselors to escort them to a variety of activities including fishing, sailing, kayaking, golf, tennis, games, and arts and crafts. In addition, the Reef Club Kids program is open on Friday and Saturday nights. We consider this to be one of the best ways for children to meet other children at the Club. For further information, please call 305-367-5830.



# Registration Form

## 3rd Annual Innovations in Ophthalmology

March 16-19, 2009

**Course No. 011599  
Office Use Only**

Fee \_\_\_\_\_ Date \_\_\_\_\_  
MOP \_\_\_\_\_ CXL/Fee \_\_\_\_\_

### FEES

Fees include online syllabus, Meet the Professor breakfasts (continental breakfasts), refreshment breaks & welcome reception.

- |  |          |
|--|----------|
| <input type="radio"/> Physician  | \$750    |
| <input type="radio"/> Comprecare Affiliate Member (ID# _____)            | \$487.50 |
| <input type="radio"/> Resident*/Fellow*/Nurse/Allied Health Professional | \$375    |

\*Letter from program director must be received in our office prior to the course to receive this fee.

### REGISTER ONLINE

GO TO [www.ccfcme.org/eye11](http://www.ccfcme.org/eye11)

Once you register online, please do not mail or fax in a registration form.

**Employees at CCF main campus, family health centers, and CCHS community hospitals (physicians and non-physicians) should register online at the above web address.**

### PLEASE PRINT

Complete the information below if registering by mail or fax:

First Name: \_\_\_\_\_ MI: \_\_\_\_\_  
Last Name: \_\_\_\_\_  
Degree/Title: \_\_\_\_\_ Specialty: \_\_\_\_\_  
Office/Institution: \_\_\_\_\_  
Preferred Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Office Fax: \_\_\_\_\_  
Email Address: \_\_\_\_\_

- I require a vegetarian meal
- I will attend the Welcome Reception on Monday, March 16, 2009
- I will NOT attend the Welcome Reception on Monday, March 16, 2009
- Additional Adult Guests for Welcome Reception, \$50 x \_\_\_\_\_
- Additional Guests aged 6 to 16 years old for Welcome Reception, \$25 x \_\_\_\_\_
- Children under 6, no charge x \_\_\_\_\_

#### Sign up for Meet the Professors

- March 16, 2009, Meet the Professor Breakfast
- March 17, 2009, Meet the Professor Breakfast
- March 18, 2009, Meet the Professor Breakfast
- March 19, 2009, Meet the Professor Breakfast

Total amount enclosed or to be charged \$ \_\_\_\_\_

### MAIL

Make check payable to: The Cleveland Clinic Educational Foundation  
or charge to the following account:

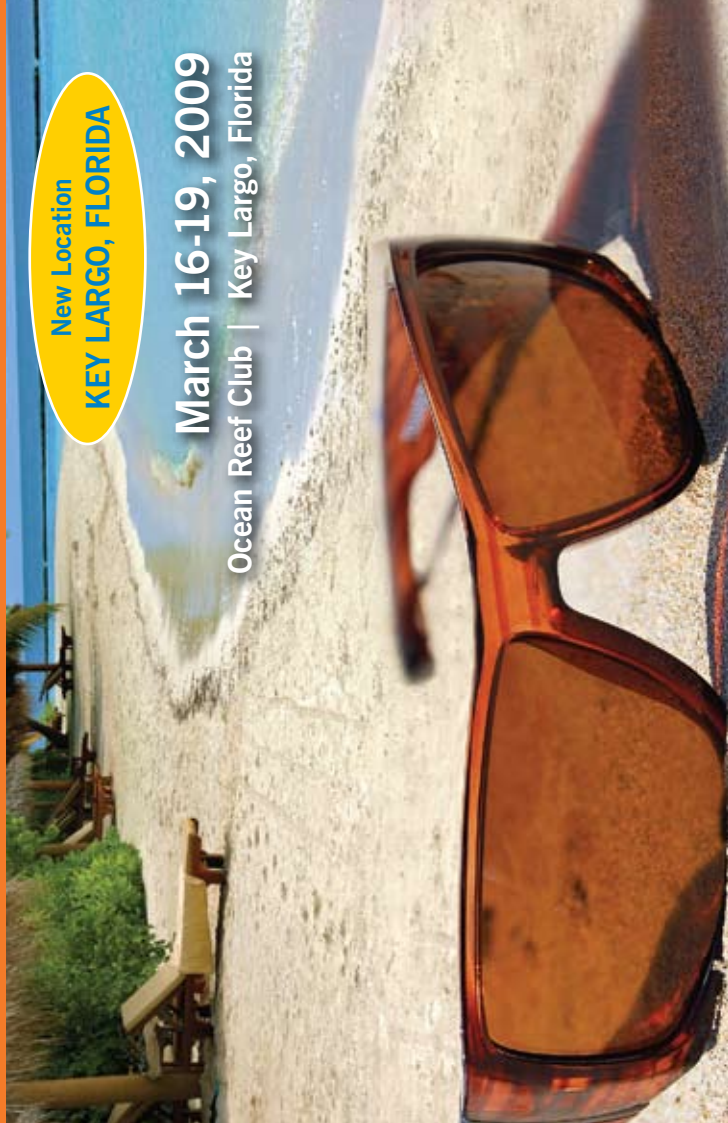
Visa    MasterCard    American Express    Discover  
Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
Signature: \_\_\_\_\_ 3 or 4 Digit Verification Number: \_\_\_\_\_

Fax Number: 216-445-9406  
Mailing Address: The Cleveland Clinic Educational Foundation  
P.O. Box 931653 • Cleveland, OH 44193-1082

3rd Annual

# Innovations in Ophthalmology

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**Cleveland Clinic**

The Cleveland Clinic Foundation  
Center for Continuing Education  
9500 Euclid Avenue AC313  
Cleveland, OH 44195

**Cleveland Clinic**

Celebrating 75 Years of Excellence in  
**CONTINUING MEDICAL EDUCATION**

Register Today: [www.ccfme.org/eye11](http://www.ccfme.org/eye11)