

Keratoconus: Basics and New Advances, An Interactive Course and Wet Lab



March 23, 2019

Sponsored by the University of Miami Miller School of Medicine



UNIVERSITY OF MIAMI
MILLER SCHOOL
of MEDICINE



Keratoconus: Basics and New Advances, An Interactive Course and Wet Lab

March 23, 2019

Bascom Palmer Eye Institute invites you to Miami this spring to join us for our *Bascom Palmer Keratoconus: Basics and New Advances* CME program. This unique and exciting **symposium and wet lab** will be held March 23, 2019 at the Bascom Palmer Eye Institute in Miami. *Come see us this spring in Miami!*



DATE

Saturday, March 23, 2019: 7:50 am to 5:30 pm

LOCATION

Bascom Palmer Eye Institute
900 NW17th Street
Miami, Florida 33136

COURSE DESCRIPTION

This one-day course is designed for ophthalmologists, optometrists and contact lens specialists whose clinical practices include comprehensive ophthalmology, corneal diseases, refractive surgery, primary care optometry and contact lens fitting.

A distinguished panel of guest speakers and Bascom Palmer faculty will use an interdisciplinary, interactive approach as they present a variety of clinical vignettes to illustrate the new paradigm in the diagnosis, treatment and visual rehabilitation of patients with keratoconus.

Topics will include:

- The new paradigm in the surgical treatment of patients with keratoconus including corneal collagen crosslinking, intracorneal rings and keratoplasty, with illustrative video-based presentations
- New advances in diagnostic techniques to identify patients with keratoconus and those at risk of developing post refractive surgery corneal ectasia
- New advances in contact lenses for the visual rehabilitation of patients with keratoconus

COURSE OBJECTIVES

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

- Interpret results of corneal topography or tomography for screenings of patients with keratoconus
- Incorporate novel diagnostic techniques in the diagnosis of patients with keratoconus
- Incorporate evidence-based decision-making when planning surgery for patients with keratoconus
- Incorporate the new contact lenses technologies for visual rehabilitation of patients with keratoconus
- Identify contact lens intolerance and identify best management regimen to improve patient tolerance or deciding to move to another treatment modality
- Identify and better manage the systemic and ocular diseases associated with keratoconus
- Appraise when and how to perform various surgical techniques to treat keratoconus
- Prevent and recognize intraoperative complications and manage the complications from corneal surgery for patients with keratoconus
- Identify patients with progressive keratoconus and better determine who is an appropriate candidate for crosslinking and determine appropriate timing of treatment using an evidence-based approach

Program

Subject to change

SATURDAY, MARCH 23, 2019

- 7:00 am **Registration and Continental Breakfast**
- 7:50 **Welcome and Overview**
Mohamed F. Abou-Shousha, MD, PhD
SESSION I: Diagnosing Keratoconus
Moderators: Anat Galor, MD, MSPH and Allister G. Gibbons, MD
- 8:00 Etiology: Genetics, Inflammation, Allergy and Eye Rubbing
Anat Galor, MD, MSPH
- 8:10 Modern Day Corneal Topography, Tomography, and Eliminating the Risk of Ectasia: Part 1
Stephen D. Klyce, PhD, FARVO
- 8:20 Modern Day Corneal Topography, Tomography, and Eliminating the Risk of Ectasia: Part 2
Stephen D. Klyce, PhD, FARVO
- 8:30 Corneal Microlayer Tomography for the Diagnosis of Keratoconus
Mohamed F. Abou-Shousha, MD, PhD
- 8:40 Aberrometry and Hysteresis in Keratoconus
Allister G. Gibbons, MD
- 8:50 Risk Factors for Post-LASIK Ectasia
Steven C. Schallhorn, MD
- 9:00 Case Presentations and Panel Discussion
Panelists: Mohamed F. Abou-Shousha, MD, PhD; Anat Galor, MD, MSPH; Allister G. Gibbons, MD; Stephen D. Klyce, PhD, FARVO; Steven C. Schallhorn, MD; and Sonia H. Yoo, MD
- 9:30 **Refreshment Break**
SESSION II: Treatment Part 1
Moderators: Kendall E. Donaldson, MD, MS; and Mohamed F. Abou-Shousha, MD, PhD
- 10:00 Contact Lenses Choices for Keratoconus Patients
Edward L. Boshnik, OD, PA
- 10:15 Ocular Surface Disease and Keratoconus
Marguerite B. McDonald, MD, FACS
- 10:30 Cataract and Keratoconus?
Kendall E. Donaldson, MD, MS
- 10:45 Glaucoma and Keratoconus?
Richard K. Lee, MD, PhD
- 11:00 Phakic Lenses in Keratoconus
Steven C. Schallhorn, MD
- 11:15 What's New in Scleral Lenses?
Chandra Mickles, OD, MSc, FAAO, FSLs

- 11:30 **Case Presentations and Panel Discussion**
Panel: **Edward L. Boshnik, OD; PA, Kendall E. Donaldson, MD, MS; Richard K. Lee, MD, PhD; Chandra Mickels, OD, MSc, FAAO, FSLs; and Marguerite B. McDonald, MD, FACS**
- 12:00 pm **Lunch**
- SESSION III: Treatment Part 2**
Moderators: **Sonia H. Yoo, MD and Mohamed F. Abou-Shousha, MD, PhD**
- 12:45 Penetrating and Deep Lamellar Keratoplasty
Mohammad F. Anwar, MD
- 1:00 Corneal Rings for Vision Rehabilitation
Luis Fernandez-Vega, MD
- 1:15 Crosslinking, Indications and Contraindication
Rajesh K. Rajpal, MD
- 1:30 Crosslinking Plus: Combined with Intra-Corneal Rings or with Small Incision Lenticule (SMILE)
Osama Ibrahim, MD
- 1:45 Current Advances in Crosslinking - Customized and Epi-On Approaches
Rajesh K. Rajpal, MD
- 2:00 Case Presentations and Panel Discussion
Panel: **Mohammad F. Anwar, MD; Luis Fernandez-Vega, MD; Osama Ibrahim, MD; and Rajesh K. Rajpal, MD**
- 2:30 **Refreshment Break**
- SESSION IV: Wet Labs**
Bascom Palmer Eye Institute 6th Floor
**This session is not accredited for CME*
- 2:45 - 4:00 **Wet Lab 1:** Crosslinking and Corneal Rings
Rajesh K. Rajpal, M and Luis Fernandez-Vega, MD
- Wet Lab 2:** Deep Anterior Lamellar Keratoplasty
Mohammad F. Anwar, MD
- Wet Lab 3:** Diagnosis of Keratoconus Bootcamp
Stephen D. Klyce, PhD, FARVO
- Wet Lab 4:** Contact Lens Fitting
Edward L. Boshnik, OD, PA and Chandra Mickles, OD, MSc, FAAO, FSLs
- 4:15 - 5:30 **Wet Lab 1:** Crosslinking and Corneal Rings
Rajesh K. Rajpal, M and Luis Fernandez-Vega, MD
- Wet Lab 2:** Deep Anterior Lamellar Keratoplasty
Mohammad F. Anwar, MD
- Wet Lab 3:** Diagnosis of Keratoconus Bootcamp
Stephen D. Klyce, PhD, FARVO
- Wet Lab 4:** Contact Lens Fitting
Edward L. Boshnik, OD, PA and Chandra Mickles, OD, MSc, FAAO, FSLs
- 5:30 **Adjourn/Cocktail Reception**

SUGGESTED HOTELS BY AREA

BRICKELL AREA

Conrad Miami (305) 503-6500

<http://www.conradmiami.com>

DOWNTOWN MIAMI

InterContinental Miami Hotel (800) 593-5447 or

(305) 577-1000

<http://www.icmiamihotel.com>

J.W. Marriott Marquis (305) 374-3900

<http://www.marriott.com/hotels/travel/miamj-jw-marriott-marquis-miami>

Miami Marriott Biscayne Bay (305) 374-3900

<http://www.marriott.com/hotels/travel/miabb-miami-marriott-biscayne-bay>

MIAMI BEACH

Eden Roc (786) 801-6886

<http://www.edenrochotelmiami.com>

COCONUT GROVE

Mutiny Hotel (305) 441-2100 or 888-868-8469

<http://www.providentresorts.com/mutiny-hotel>

Ritz-Carlton Coconut Grove - Miami (800) 241-3333 or
(305) 644-4680

<http://www.ritzcarlton.com/en/hotels/miami/coconut-grove>



Speakers



COURSE DIRECTOR

Mohamed F. Abou-Shousha, MD, PhD

Assistant Professor of Clinical Ophthalmology
Bascom Palmer Eye Institute
University of Miami Miller School of Medicine



GUEST SPEAKERS

Mohammad F. Anwar, MD

Anwar Eye Center
Moundsville, WV



Edward L. Boshnik, OD, PA

Global Vision Rehabilitation Center
Miami, FL



Luis Fernandez-Vega, MD

Fernandez Vega Ophthalmological Institute
Oviedo, Spain



Osama Ibrahim, MD

Professor of Ophthalmology
Alexandria University
Chief Corneal and Refractive Surgery
Roayah Alex Vision Correction Center
Alexandria, Egypt



Stephen D. Klyce, PhD, FARVO

Adjunct Professor of Ophthalmology
Mount Sinai School of Medicine
New York, NY



Marguerite B. McDonald, MD, FACS

Ophthalmic Consultants of Long Island
Lynbrook, NY



Chandra Mickles, OD, MSc, FAAO, FSLS

Associate Professor of Optometry
Nova Southeastern University



Rajesh K. Rajpal, MD

SeeClearly Vision
Arlington, VA



Steven C. Schallhorn, MD

Gordon Schanzlin New Vision Institute
La Joya, San Diego, CA

BASCOM PALMER EYE INSTITUTE SPEAKERS

Kendall E. Donaldson, MD, MS

Associate Professor of Clinical Ophthalmology
Bascom Palmer Eye Institute
Plantation, FL

Anat Galor, MD, MSPH

Associate Professor of Ophthalmology
Bascom Palmer Eye Institute
Miami, FL

Allister G. Gibbons, MD

Assistant Professor of Clinical Ophthalmology
Bascom Palmer Eye Institute
Naples, FL

Richard K. Lee, MD, PhD

Associate Professor of Ophthalmology
Bascom Palmer Eye Institute
Miami, FL

BASCOM PALMER EYE INSTITUTE

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Saturday, March 23, 2019: 7:50 am to 5:30 pm

LOCATION

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900 NW 17th Street, Miami, Florida 33136

CONFERENCE FEES \$250

Conference fees include course materials, welcome reception, continental breakfast, lunch and refreshment breaks.

CANCELLATION POLICY

Conference tuition, less a \$50 cancellation fee, is refundable if notice is received by March 8, 2019. No refunds shall be considered after March 8, 2019 or after sixty (60) days following payment.

ACCREDITATION

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

***COPE** (Council on Optometric Practitioner Education) CE Approval Pending.

CREDIT DESIGNATION

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **5.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SERVICES FOR THE DISABLED

If special arrangements are required for an individual with a disability to attend this conference, please contact Karen Davila at (305) 326-6110 on or before March 8, 2019.

DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION

All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

REGISTRATION

To register on-line:

Please visit:

<http://bascompalmer.org/cme/keratoconus/registration>

To register by mail:

Please complete the registration form and return with your check or credit card payment to:

Bascom Palmer Eye Institute
Department of Continuing Medical Education
900 NW 17th Street, Suite 6
Miami, FL 33136
(Att: Karen Davila)

To register by fax: Please complete the registration form and return with your credit card payment to (305) 326-6518.

FOR MORE INFORMATION

www.bascompalmer.org

Telephone: (305) 326-6110

Email: bascompalmercme@miami.edu

www.bascompalmer.org



BASCOM PALMER EYE INSTITUTE

Global Center for
Ophthalmic Education



Continuing Medical Education
900 NW 17th Street, Suite 6
Miami, FL 33136

Registration Form

BASCOM PALMER EYE INSTITUTE

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Registration is limited, so please register early.

Last Name / First Name (as you want it to appear on name badge) / Degree

Last Four Digits of Social Security Number (for record keeping purposes only)

Specialty / Sub-specialty

Affiliated Institution

☐

Address (Check box if new address)

City/State

Country / Zip or Postal Code

Office phone

Office fax

Email

REGISTRATION: \$250

☐ Enclosed is my check made payable to
Bascom Palmer Eye Institute – Keratoconus 2019

☐ Please bill my credit card:

☐ Mastercard ☐ Visa ☐ American Express

Card number

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Security code

Expiration date

Billing zip code

Name on card

Signature

Online: <http://bascompalmer.org/cme/keratoconus/registration>

By fax: Please complete this registration form with your credit card payment and fax to (305) 326-6518.

By mail: Please complete this registration form and return with your check or credit card payment to:
Bascom Palmer Eye Institute
Continuing Medical Education Department
900 NW 17th Street, Suite 6
Miami, FL 33136
(Attn: Karen Davila)

By e-mail: bascompalmercme@miami.edu