**Cornea 2015:** Show Me the Evidence! Back to Basics and Beyond  
In conjunction with the Cornea Society

**Date:** Saturday, November 14, 2015, 8:00 AM – 5:31 PM  
**Location:** Sands Expo/Venetian, Las Vegas, NV  
**Program Directors:** Stephen C Kaufman MD PhD, Bennie H Jeng MD, and Shahzad I Mian MD

**Program Planning Group:** Michael W Belin MD, Bennie H Jeng MD, Stephen C Kaufman MD PhD, Shahzad I Mian MD, Christopher J Rapuano MD, and Donald Tan MD MBBS

**Mission Statement:** The mission of the 2015 Cornea Subspecialty Day is to provide cornea specialists and comprehensive ophthalmologists who are actively managing patients with corneal diseases with new information regarding the diagnosis and medical and surgical management of important diseases of the cornea and ocular surface. The program will review evidence-based treatments for challenging medical disorders of the cornea, including corneal infections. Advances in the understanding and treatment of Fuchs corneal dystrophy will be presented. Surgical management of corneal disease will be highlighted in several formats, including didactic lectures, panel discussions, and case presentations.

**What is the professional practice gap that this activity will address?**  
This program is designed to improve the management of both common and uncommon medical and surgical diseases of the cornea. Through a series of didactic lectures, relevant case presentations, and panel discussions by leading corneal experts, attendees will have a better understanding of the diagnosis and management of a diverse range of corneal conditions, from common ocular surface disease to atypical keratitis, as well as the role of immunosuppression in infectious and noninfectious corneal inflammatory disease. In addition, through surgical video presentations, panel discussions, and didactic lectures, program participants will know the current state of cutting-edge surgical techniques such as corneal crosslinking, complex cataract surgery in corneal disease, penetrating and lamellar keratoplasty, and ocular surface transplantation. Attendees will better understand how to overcome the learning curve for incorporating these techniques into their practices.

**Target Audience:** The intended audience for this program is cornea surgeons, comprehensive ophthalmologists with an interest in anterior segment, and allied health personnel who are performing or assisting with cornea surgery.

**Education Level:** Intermediate, Advanced

**Goal:** The goals of this program are to:

- Provide attendees with an evidence-based review of current management strategies for both commonplace and less common medical disorders of the cornea, including dry eye syndrome, infectious keratitis, persistent epithelial defects and corneal neuropathy, using a case-based approach to improve the care of patients with these challenging diseases.
- Discuss new diagnostic and therapeutic strategies for infectious and noninfectious keratitis and inflammatory conditions involving the ocular surface. Attendees will learn about modern immunosuppressive therapy options for management of severe ocular inflammatory disease.
- Describe the current state and future directions for various types of corneal transplant surgeries, including a discussion of how to overcome the various hurdles faced when adopting new techniques. This will be accomplished through lectures by respected experts as well as by surgically focused case presentations followed by panel discussions.
- Provide attendees with an update on corneal surgical techniques in combination with discussion of other ocular conditions and surgical procedures, in order to raise awareness of how and when to recommend this treatment.

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

- Describe the evidence-based approach to managing medical diseases of the cornea and ocular surface, including inflammatory, infectious, and degenerative conditions.
Compare the advantages and disadvantages of recently popularized techniques of corneal transplantation (Descemet membrane endothelial keratoplasty, deep anterior lamellar keratoplasty, and keratoprosthesis) and understand strategies to incorporate these techniques into their practice

Identify patient groups for whom collagen crosslinking alone or in combination with additional procedures is a promising treatment and understand the advantages and disadvantages of different crosslinking techniques

Identify indications and surgical techniques for corneal disease in the presence of cataracts, glaucoma, ocular surface disease, and complex anterior segment anatomy

CME Accreditation
The American Academy of Ophthalmology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Academy of Ophthalmology designates this live activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Attendees registered as exhibitors, spouses, or guests are not eligible for CME credits.

Saturday, November 14
7:00 AM CONTINENTAL BREAKFAST
8:00 AM Welcome and Introductions

Section I: Herpes Simplex and Varicella Zoster—Evidence-Based Prevention, Diagnosis, and Treatment
Moderator: Stephen C Kaufman MD PhD
8:03 AM Introduction
8:05 AM Varicella Zoster Virus: Epidemiology, Presentation, Diagnosis and Vaccines
8:14 AM Varicella Zoster Virus: Treatment of the Acute and Chronic Disease
8:23 AM Varicella Zoster Virus: Case Presentation
8:32 AM Herpes Simplex Virus: Epidemiology, Presentation and Diagnosis
8:41 AM Herpes Simplex Virus: Case Presentation
8:50 AM Discussion
9:11 AM Conclusion

Section II: Anterior Segment Infections—An Evidence-Based Approach
Moderator: Bennie H Jeng MD
9:12 AM Introduction
9:14 AM Management of Amoebic Infections
9:23 AM Which Antifungal Is Best for Fungal Keratitis?
9:32 AM Do Steroids Help in Bacterial Keratitis?
9:41 AM Management of Postkeratoplasty Interface Infections
9:50 AM Prophylaxis and Management of Boston Keratoprosthesis Infections
9:59 AM Adenoviral Conjunctivitis and Its Sequelae: To Treat or Not to Treat?
10:08 AM Discussion
10:27 AM Conclusion
10:28 AM REFRESHMENT BREAK and AAO 2015 EXHIBITS

Section III: Ocular Surface Disease—What Really Works?
Moderator: Shahzad I Mian MD
11:03 AM Introduction
11:05 AM Allergic Conjunctivitis: Update in Diagnosis and Treatment
11:14 AM Dry Eye Disease: Emerging Tools for Diagnosis and Management

David B Glasser MD

Kathryn A Colby MD PhD

Anat Galor MD

Neal P Barney MD
11:23 AM  Office-Based Treatments for Blepharitis: Do They Work? Richard S Davidson MD
11:32 AM  Role of Ocular Demodicosis in Management of Chronic Blepharitis Esen K Akpek MD
11:41 AM  Management of Peripheral Ulcerative Keratitis Victor L Perez MD
11:50 AM  Diagnosis and Management of Primary Acquired Melanosis Carol L Shields MD
11:59 AM  Discussion
12:11 PM  Conclusion Shahzad I Mian MD
12:12 PM  LUNCH and AAO 2015 EXHIBITS

Section IV: Cicatrizing Diseases of the Ocular Surface—What Really Works?
Moderator: Stephen C Kaufman MD PhD
1:22 PM  Introduction Stephen C Kaufman MD PhD
1:24 PM  Stevens-Johnson Syndrome: Diagnosis and Acute Treatment Anthony J Johnson MD
1:33 PM  Stevens-Johnson Syndrome: Inciting Medications and Chronic Treatment Charles S Bouchard MD
1:42 PM  Stevens-Johnson Syndrome: Case Presentation Darren G Gregory MD
1:51 PM  Ocular Cicatricial Pemphigoid: Diagnosis and Medical Treatment C Stephen Foster MD
2:00 PM  Ocular Cicatricial Pemphigoid: Surgical Treatment of Advanced Disease Clara C Chan MD
2:09 PM  Ocular Cicatricial Pemphigoid: Case Presentation Roy S Chuck MD PhD
2:18 PM  Discussion
2:30 PM  Conclusion Stephen C Kaufman MD PhD
2:31 PM  Advocating for Patients TBD

Section V: Cornea Controversies—Conflicting Data
Moderator: Bennie H Jeng MD
2:36 PM  Introduction Bennie H Jeng MD
2:38 PM  Ganciclovir Gel: Does it Work? Kristin M Hammersmith MD
2:47 PM  Descemet Membrane Endothelial Keratoplasty vs. UltraThin Jennifer R Rose-Nussbaumer MD
3:05 PM  Status of Corneal Collagen Crosslinking in the USA: Separating Fact, Fiction, and the FDA Michael W Belin MD
3:14 PM  Ocular Surface Squamous Neoplasia (CIN): Surgery, Interferon, 5 FU, or Mitomycin Carol L Karp MD
3:23 PM  Donor Diabetes History and Keratoplasty Outcomes Jonathan H Lass MD
3:32 PM  Discussion
3:44 PM  Conclusion Bennie H Jeng MD
3:45 PM  REFRESHMENT BREAK and AAO 2015 EXHIBITS

Section VI: Surgical Management of Corneal Diseases with Concurrent Ocular Comorbidities—What Is Best?
Moderator: Shahzad I Mian MD
4:20 PM  Introduction Shahzad I Mian MD
4:22 PM  Optimizing Cataract Surgery Outcomes in Keratoconus Douglas D Koch MD
4:40 PM  Management of Postkeratoplasty Astigmatism Sonia H Yoo MD
4:49 PM  Selecting the Ideal Surgical Technique for Management of Graft Failure Francis W Price Jr MD
4:58 PM  Use of Amniotic Membrane Grafts in Neurotrophic Keratitis Christopher J Rapuano MD
5:07 PM  Surgical Management of Perforated Corneal Ulcer Sonal S Tuli MD
5:16 PM  Discussion
5:28 PM  Conclusion Shahzad I Mian MD
5:29 PM  Closing Remarks Stephen C Kaufman MD PhD Bennie H Jeng MD
5:31 PM  ADJOURN