

## **Refractive Surgery 2015: The Vegas Player's Guide of Refractive Surgery—Everyone Wins!**

*The Annual Meeting of the International Society of Refractive Surgery*

Sponsored by ISRS

**Date:** Friday, Nov. 13

**Location:** Sands Expo/Venetian, Las Vegas, NV

**Program Directors:** A John Kanellopoulos MD and Bonnie A Henderson MD

**Program Planning Group:** Renato Ambròsio Jr MD, Daniel S Durrie MD, Bonnie A Henderson MD, A John Kanellopoulos MD, Ronald R Krueger MD, and Sonia H Yoo MD

**New this year!** Following popular demand, this year, for the first time, the *Annual Meeting of the International Society of Refractive Surgery* will be condensed into one day on Friday so no one will miss any part of it!

**Mission Statement:** The mission of the 2015 Refractive Surgery Subspecialty Day is to provide comprehensive ophthalmologists and refractive, cataract, and corneal surgeons with a multidiscipline discussion of the current and evolving techniques and technology in cornea- and lens-based refractive surgery. The sessions will highlight lens and corneal refractive surgery, and experts will debate on both sides of controversial subjects. A special session will be held by the ESCRS (European Society of Cataract and Refractive Surgeons), with the latest refractive surgery updates from the other side of the Atlantic Ocean. Look for the popular *Journal of Refractive Surgery* session, featuring the Troutman Award Lecture, and the Hot, Hotter, and Hottest free paper refractive surgery presentations. Also look for a spectacular video-based session on lens and cornea refractive surgery complications and their management.

**Target Audience:** The intended audience for this program is comprehensive ophthalmologists; refractive, cataract, and corneal surgeons; and allied health personnel who are performing or assisting in refractive surgery.

**Education Level:** Intermediate, Advanced

**Goal:** The goal of this program is to review comprehensively the leading concepts, as well as to update attendees on the evolving techniques and knowledge base of cornea- and lens-based refractive surgery in 2015.

### **Program Objectives:**

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

- Evaluate the latest techniques and technologies in refractive surgery, specifically:
- The latest and emerging techniques and technologies in cornea biomechanics, cornea imaging, IOL calculations, and ectasia detection
- Identify the current status and future of femtosecond laser, excimer laser, inlay, intracorneal ring segment, and IOL refractive surgery
- Compare the pros and cons of various lens- and corneal-based modalities, including presbyopic and toric IOLs
- Describe the increasing importance that refractive surgery plays in the practice of every subspecialty in ophthalmology

### **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*<sup>™</sup>. 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.

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**Friday, Nov. 13, 2015**

7:00 AM CONTINENTAL BREAKFAST

8:00 AM Opening Remarks

A John Kanellopoulos MD  
Bonnie A Henderson MD**Opening Keynote**

8:05 AM Cornea Biomechanics and Its Application in Refractive Surgery

William J Dupps MD PhD

**Section I: Roll the Dice—New Diagnostics in Refractive Surgery**

Moderators: Douglas D Koch MD, Sonia H Yoo MD

8:15 AM New Corneal Imaging Devices: Clinical Examples and Applications  
8:22 AM Magnitude and Long-term Stability Associated With Changes After Crosslinking

Terry Kim MD

8:29 AM Combining Refractive and Crosslinking Applications

Parag A Majmudar MD  
Avi Wallerstein MD

8:36 AM Diagnostics for Dry Eye

Michael B Raizman MD

8:43 AM Preop IOL Calculations and Challenging Cases

Mitchell P Weikert MD

8:50 AM Intraop IOL and Astigmatism Diagnostics

Richard L Lindstrom MD

8:57 AM How To Design A Universal Intraocular Lens Calculator

Samir I Sayegh MD PhD

9:01 AM Scheimpflug Analysis of Patients With Highly Asymmetric Keratoconus

J Bradley Randleman MD

9:05 AM Ectasia Detection: Scheimpflug Tomography Is the Most Accurate

Renato Ambrósio Jr MD

9:10 AM Ectasia Detection: Placido and Other Reflection Topography Is the Most Accurate

Jonathan H Talamo MD

9:15 AM Ectasia Detection: Anterior Segment OCT Is the Most Accurate

George Asimellis PhD

9:20 AM Panel Discussion

Stephen D Klyce PhD  
Marguerite B McDonald MD

Roberto Pineda II MD

Yaron S Rabinowitz MD

Ahmed N Sedky MBBS

Steven E Wilson MD

9:30 AM REFRESHMENT BREAK

**ISRS Awards**

10:10 AM Presentation of the 2015 ISRS Awards

Ronald R Krueger MD

**Section II: Holding the Perfect Hand—Cornea- and Lens-Based Procedures**

Moderators: Robert J Cionni MD, Jack T Holladay MD MSEE FACS

10:20 AM Excimer Laser Preby Applications: Clinical Examples and Techniques

Gustavo E Tamayo MD

10:27 AM Customized Excimer Platforms Update

Theo Seiler MD PhD

10:34 AM Update on Cornea Inlays for Presbyopia

Jay Stuart Pepose MD PhD

10:41 AM Intracorneal Ring Segments Review: New and Current Applications

Jorge L Alio MD PhD

10:48 AM Monofocal IOLs, Toric IOLs: New and Current Applications

Alan N Carlson MD

10:55 AM Overview on Trifocal, Multifocal, and Enhanced Depth of Focus IOLs

Thomas F Neuhann MD

11:02 AM Phakic IOL Review: New and Current Applications

Allon Barsam MBBS FRCOphth

11:09 AM Novel Lasers for Refractive Surgery

Michael Mrochen PhD

11:16 AM Review of Current and New Femtosecond Lasers and Their Applications in Refractive Surgery

Burkhard Dick MD

11:23 AM Panel Discussion

Francesco Carones MD

Arthur B Cummings MD

David R Hardten MD

Peter J McDonnell MD

Alan Sugar MD

### Section III: Fair Game—Refractive Surgery Interactive Doctor-Patient Consultations

Moderators: Louis D Skip Nichamin MD, Vance Michael Thompson MD

11:33 AM	“I do not want to wear any glasses after cataract surgery, Doctor!”	Helen K Wu MD Michael E Snyder MD
11:40 AM	Is Femto-Cataract Better Than Traditional?	Karl G Stonecipher MD Bryan S Lee MD JD
11:47 AM	“I have been a myope all my life; should I aim for no glasses at far?”	Audrey R Talley-Rostov MD Brandon Ayres MD
11:54 AM	“I want to have laser vision correction for -6 D and I am 45 years old; what are my options, Doctor?”	Manfred R Tetz MD Michael C Knorz MD
12:01 PM	“I had LASIK 5 years ago, and I still see haloes at night. Can you fix it, Doctor, or should I sue?”	Carlos Buznego MD Kerry D Solomon MD
12:08 PM	“I want refractive surgery now! Why should I wait for my corneal surface to be improved, and who cares about dry eye?”	Christopher E Starr MD Neda Shamie MD
12:15 PM	Advocating for Patients	Stephanie Jones Marioneaux MD
12:20 PM	LUNCH – Hall D ISRS Member’s Lunch and Program – Venetian G	

### Section IV: The "Mojo Bag" of Videos on Lens and Cornea Refractive Surgery Complications

Moderators: Amar Agarwal MD, Ronald R Krueger MD

1:35 PM	Suturing a Capsular Tension Ring	Robert K Maloney MD
1:40 PM	Dislocated IOL Management With the Glued IOL Technique	Eric D Donnenfeld MD
1:45 PM	Challenging Exchange of Refractive IOL	David F Chang MD
1:50 PM	Mastering the Trocar Anterior Chamber Maintainer and Pre-Descemet Endothelial Keratoplasty With Glued IOL	Amar Agarwal MD George Beiko MD
1:55 PM	When Things Started Blowing, Try Beans	William B Trattler MD
2:00 PM	Placement of a Toric IOL in a Compromised Capsular Bag	George O Waring IV MD
2:05 PM	Corneal Inlay Complications	Ronald R Krueger MD
2:10 PM	Small-Incision Lenticule Extraction (SMILE) Complications	Sadeer B Hannush MD
2:15 PM	Endothelial Keratoplasty and IOL Implantation	Kendall E Donaldson MD
2:20 PM	Panel Discussion	Preeya K Gupta MD Robert H Osher MD Roger F Steinert MD Michael D Straiko MD

### REFRESHMENT BREAK and BREAK WITH THE EXPERTS

2:30 – 3:10 PM	Cataract and IOL Complications	Ehud I Assia MD
	Collagen Crosslinking	Abhay Raghukant Vasavada MBBS FRCS George D Kymionis MD PhD Paolo Vinciguerra MD
	Corneal Inlays	Ioannis G Pallikaris MD Minoru Tomita MD PhD
	Elevation Corneal Tomography	Shameema Sikder MD Michael W Belin MD
	Laser Refractive Lens Surgery	William J Fishkind MD FACS John A Hovanesian MD
	Intracorneal Rings	Efehan Coskunseven MD Aylin Kılıç MD
	Laser Vision Correction Enhancements	Steven I Rosenfeld MD FACS R Doyle Stulting MD PhD
	Phakic IOLs	Arturo S Chayet MD

Planning IOL Powers

Presbyopic IOL Pearls

Toric IOL Pearls

Alaa M Eldanasoury MD  
John So-Min Chang MD  
Bonnie A Henderson MD  
Beatrice Cochener MD  
Scott M MacRae MD  
Juan-Carlos Abad MD  
Marianne O Price PhD

### Section V: ESCRS Symposium

3:10 – 3:55 PM

### Section VI: The *Journal of Refractive Surgery's* Hot, Hotter, Hottest—Late Breaking News

Moderators: J Bradley Randleman MD, Karolinne M Rocha MD

3:55 PM	Introduction of Troutman Prize	J Bradley Randleman MD
4:00 PM	Troutman Prize: Antibacterial Efficacy of Accelerated Photoactivated Chromophore for Keratitis-Corneal Collagen Crosslinking	Olivier Richo MD Marcony R Santhiago MD
4:15 PM	The Role of PTA in Screening	
4:20 PM	Simultaneous Correction of Unilateral Rainbow Glare and Residual Astigmatism by Undersurface Flap Photoablation After Femtosecond Laser-Assisted LASIK	Damien Gatinel MD
4:25 PM	Stromal Surface Topography-Guided Custom Ablation as a Repair Tool for Corneal Irregular Astigmatism	Dan Z Reinstein MD
4:30 PM	Long-Term Postoperative Results of T-Fixation Technique Used for Intrasclear Posterior Chamber Intraocular Lens Fixation	Toshihiko Ohta, MD
4:35 PM	Profocal Cornea Created by Transparent Hydrogel Corneal Inlay: Mechanism of Action and Clinical Implications	Douglas D Koch MD
4:40 PM	Initial Clinical Experience with a New Laser Approach for Precise Capsulotomies	Richard B Packard MD
4:45 PM	Micro-Electrostimulation of the Ciliary Body as a New Non-Invasive Method for Presbyopia Treatment: Early Results	Luca Gualdi MD Ahmed N Sedky, MBBCH
4:50 PM	Sedky Approach for RelExSmile Re- Treatment	
4:55 PM	Diagnostic Intraoperative and Swept Source Postoperative Optical Coherence Tomography (OCT) for the Prediction of Postoperative Intraocular Lens Position During Femtosecond Refractive Laser Assisted Cataract Surgery (ReLACS)	Joseph J Ma MD Osama I Ibrahim MD PhD
5:00 PM	Refractive Lenticule Implantation (Relimp) for Unilateral Aphakia	
5:05 PM	PRESBV (Presbyopia Vejarano) TEARS Non-invasive Solution for Presbyopia	Luis Felipe Vejarano MD J Bradley Randleman MD A John Kanellopoulos MD Bonnie A Henderson MD
5:10 PM	JRS QwikFacts	
5:15 PM	Closing Remarks	