

Refractive Surgery 2009: It's Time to Change

The Annual Meeting of ISRS/AAO

Sponsored by the International Society of Refractive Surgery of the American Academy of Ophthalmology (ISRS/AAO)

Moscone Center West, Room 2014

Program Directors

Gustavo E Tamayo MD and Ronald R Krueger MD

Program Planning Group

Amar Agarwal MD, Ronald R Krueger MD, Marguerite B McDonald MD, Steven C Schallhorn MD and Gustavo E Tamayo MD

Program Objectives

This meeting will enable attendees to:

- Recognize refractive procedures, indications, and complications and their management
- Conceptualize "total refractive surgery": a surgery that involves many different procedures—from intraocular procedures such as cataract surgery and phakic lenses to extraocular procedures such as intrastromal rings, corneal inlays, and excimer laser surgery—and a surgery deeply committed to obtaining the best quality of vision for patients
- Identify the latest indications, technology, and procedures in refractive surgery, including the early diagnosis and management of potential complications
- Be receptive to new ideas and research in refractive surgery through expert discussion of new procedures in order to realize alternatives in the treatment of refractive error
- Improve the quality of refractive surgery and management of complications

Target Audience

The intended audience for this program is refractive surgeons, comprehensive ophthalmologists and allied health personnel who are performing or assisting with refractive surgery.

Submit an Abstract

ISRS/AAO is renowned for its unsurpassed educational meetings. You can help ISRS/AAO maintain its outstanding reputation by submitting an abstract to present at the ISRS/AAO Subspecialty Day. Abstracts will be accepted online at www.isrs.org from May 13 to June 22.

2009 ISRS/AAO Annual Gala Dinner

Friday, Oct. 23

7:00 PM – 10:00 PM

Fairmont Hotel

Join ISRS/AAO for the 2009 Gala Dinner, where prestigious awards will be presented, including the Barraquer, Founder's, Lifetime Achievement, Troutman, Kritzinger, Casebeer, Lans and Miradas awards. Dinner tickets are \$250 per person for physicians and spouses; and \$500 each for exhibitors and company representatives. Black tie optional. Seats are limited, so advance registration is recommended.

Friday, Oct. 23

- 6:30 AM **REGISTRATION/ MATERIAL PICKUP/
CONTINENTAL BREAKFAST**
- 8:00 AM **Welcome and Opening Remarks**
Gustavo E Tamayo MD, Ronald R Krueger MD
- 8:05 AM **Opening Keynote: The Economic Impact on
Refractive Surgery: How to Deal With It**
Shareef Mahdavi

SECTION I: THE GREAT DEBATES IN REFRACTIVE SURGERY

Moderators: Jay Stuart Pepose MD PhD, Walter J Stark MD

- 8:15 AM **Refractive Pediatric Surgery: Excimer Laser Approach**
Osama I Ibrahim MD PhD
- 8:22 AM **Refractive Pediatric Surgery: IOL Approach**
M Edward Wilson Jr MD
- 8:29 AM **Presbyopia Surgery on the Cornea**
Gustavo E Tamayo MD

Subspecialty Day Schedule

Refractive Surgery 2009

8:36 AM **Presbyopia Surgery: Intraocular IOLs**

Richard L Lindstrom MD

8:43 AM **Free Papers**

8:58 AM **Discussion**

SECTION II: CATARACT AND REFRACTIVE SURGERY

Moderators: John F Doane MD, Stephen S Lane MD

9:08 AM **New Trends in IOL Calculation After Refractive Surgery**

Jack T Holladay MD MSC FACS

9:18 AM **How to Handle Multifocal IOLs and Astigmatism**

Eric D Donnenfeld MD

9:25 AM **Management of Postoperative Residual Refractive Error**

Lisa B Arbisser MD

9:32 AM **Toric Lenses: Are They Effective?**

Karl G Stonecipher MD

9:39 AM **Novel Presbyopic IOLs**

Michael C Knorz MD

9:46 AM **Free Papers**

10:01 AM **Discussion**

10:11 AM **REFRESHMENT BREAK**

SECTION III: IOLS FOR REFRACTIVE SURGERY

Moderators: Georges D Baikoff MD, William J Dupps Jr MD PhD

10:45 AM **Safety Concerns of Anterior Chamber Phakic Lenses**

Jason E Stahl MD

10:52 AM **Safety Concerns of Posterior Chamber Phakic Lenses**

John Allan Vukich MD

10:59 AM **LASIK vs. IOLs in High Myopia**

Thomas Kohnen MD

11:06 AM **Free Papers**

11:21 AM **Discussion**

SECTION IV: EXCIMER LASER SURGERY

Moderators: Edward E Manche MD, Sonia H Yoo MD

11:31 AM **Basic Principles of Sub-Bowman's Keratomileusis**

John Marshall PhD

11:38 AM **Turn Your LASIK Into Femtosecond Surgery**

Steven C Schallhorn MD

11:45 AM **Keep Your LASIK in Mechanical Microkeratome**

James S Lewis MD

11:52 AM **LASIK vs. Surface Ablation**

Marguerite B McDonald MD

11:59 AM **Basic Principles of Retreatment**

Kenneth A Greenberg MD

12:04 PM **Free Paper**

12:09 PM **Discussion**

12:19 PM **SURGERY by SURGEONS UPDATE**

Stephanie Jones Marioneaux MD

12:24 PM **ISRS/AAO President's Update**

Marguerite B McDonald MD

12:30 PM **LUNCH**

SECTION V: INTRASTROMAL IMPLANTS FOR REFRACTIVE SURGERY

Moderators: Sheraz M Daya MD, Jonathan H Talamo MD

1:45 PM **Basic Principles of Corneal Inlays**

Stephen D Klyce PhD

1:55 PM **Clinical Performance of Corneal Inlays**

Francisco Sanchez Leon MD

2:02 PM **Corneal Ring Segments: What Role Do They Play in Refractive Surgery?**

Walton Nose MD

2:09 PM **Intrastromal Rings and Crosslinking**

Aylin Ertan MD

2:16 PM **Present Status of the Artificial Cornea**

W Bruce Jackson MD FRCSC

2:23 PM **Free Papers**

2:38 PM **Discussion**

BREAK WITH THE EXPERTS

Location: Moscone West, Rooms 2004 and 2008

New this year: Break With the Experts will run concurrently with Potpourri of Novel Ideas.

2:48 PM - 3:48 PM

Topic 1: Ectasia

William J Dupps Jr MD PhD, Terrence P O'Brien MD, J Bradley Randleman MD, Theo Seiler MD PhD

Topic 2: Complications of Laser Vision Correction

Francesco Carones MD, Thomas Kohnen MD, Scott M MacRae MD, Jennifer Morse MD, Roger F Steinert MD

Topic 3: Post-refractive IOL Calculations

Wallace Chamon MD, Warren E Hill MD, Kenneth J Hoffer MD, Jack T Holladay MD MSC FACS

Topic 4: Complications of Presbyopic IOLs

Frank J Goes MD, Louis D "Skip" Nichamin MD, Kerry D Solomon MD, Paolo Vinciguerra MD

SECTION VI: POTPOURRI OF NOVEL IDEAS

Location: Moscone West, Room 2014 (main session room)

Moderators: Elizabeth A Davis MD, Guy M Kezirian MD

3:00 PM **Customized Corneal Crosslinking**

Michael Mrochen PhD

3:05 PM **Tensioactive TCCXL: Preliminary Laboratory Results**

Roberto Pinelli MD

3:10 PM **Refractive Cataract Surgery With a Femto-Laser**

Johathan H Talamo MD

3:15 PM **Free Papers**

3:39 PM **Discussion**

SECTION VII: A VIDEO JOURNEY OF CHALLENGING CASES AND COMPLICATIONS IN CATARACT AND REFRACTIVE SURGERY: PART I

Moderators: Amar Agarwal MD, R Bruce Wallace III MD

3:54 PM **BULL'S EYE: Centering the Decentered Multifocal IOL**

William J Fishkind MD

3:59 PM **NIGHTMARES: With Phakic IOLs**

Nick Mamalis MD

4:04 PM **STICK 'EM UP: Glued IOL**

Amar Agarwal MD

4:09 PM **TAKE IT OUT: Explanting the Multifocal IOL in Difficult Situations**

David F Chang MD

4:14 PM **DISTORTION: Managing Terrible Astigmatism in the Cataract Patient**

Robert H Osher MD

4:19 PM **Discussion**

SECTION VIII: A VIDEO JOURNEY OF CHALLENGING CASES AND COMPLICATIONS IN CATARACT AND REFRACTIVE SURGERY: PART II

Moderators: Amar Agarwal MD, Carlos Verges MD PhD

4:29 PM **Recurrent Epithelial Ingrowth**

Jorge L Alio MD PhD

4:34 PM **Flap Bloopers**

John So-Min Chang Jr MD

4:39 PM **Piece of Cake: Excimer Laser in Non-virgin Eyes (RK, LASIK etc.)**

Leon Gruppenmacher MD

4:44 PM **Folds and Striae**

Brian S Boxer Wachler MD

4:49 PM **Femtosecond-Assisted Astigmatic Keratotomy and Automated Lamellar Keratoplasty**

Sonia H Yoo MD

4:54 PM **Discussion**

5:04 PM **Closing Remarks**

Gustavo E Tamayo MD, Ronald R Krueger MD

7:00 PM **ISRS/AAO ANNUAL GALA DINNER**

Saturday, Oct. 24

6:30 AM **CONTINENTAL BREAKFAST**

8:15 AM **Opening Remarks**

Gustavo E Tamayo MD, Ronald R Krueger MD

SECTION IX: KERATOECTASIA AND COLLAGEN CROSSLINKING

Moderators: D Rex Hamilton MD, Douglas D Koch MD

8:20 AM **Past, Present, and Future of Collagen Crosslinking**

Theo Seiler MD PhD

8:30 AM **Results of USA Collagen Crosslinking Study**

R Doyle Stulting MD PhD

8:37 AM **Refractive Management of Keratoconus**

Yaron S Rabinowitz MD

8:44 AM **Risk Factors for Ectasia Development After LASIK Surgery**

William B Truttler MD

8:51 AM **Femtolasar Deep Anterior Keratoplasty With Baring of Descemet's Membrane in Keratoconus and Post-LASIK Ectasia**

Alaa M El Danasoury MD

8:58 AM **Free Papers**

9:13 AM **Discussion**

THE TROUTMAN PRIZE

9:23 AM **Introduction**

George O Waring III MD FACS, Richard C Troutman MD FACS

9:28 AM **The Troutman Prize**

TBA

9:43 AM **REFRESHMENT BREAK and JOINT MEETING EXHIBITS**

SECTION X: EUROPEAN SOCIETY OF CATARACT AND REFRACTIVE SURGERY (ESCRS) SYMPOSIUM: AVOIDING AND MANAGING COMPLICATIONS IN REFRACTIVE SURGERY

Moderators: Paul H Rosen MD, Jose L Guell MD PhD

10:15 AM **Managing the Not Quite Emmetropic Post-corneal Laser Patient**

Julian D Stevens MD

10:25 AM **Ectasia: Avoidance, Diagnosis, and an Algorithm for Management**

Joseph Colin MD

10:35 AM **Prevention and Management of Dissatisfied Multifocal Patients**

Rudy Nuijts MD

10:45 AM **Laser Enhancement After Lens Surgery**

Paul H Rosen MD

Subspecialty Day Schedule

Refractive Surgery 2009

10:55 AM **Pharmacology of Refractive Surgery**

Roberto Bellucci MD

11:05 AM **Discussion**

SECTION XI: THE CORNEA SOCIETY'S CORNEA CORNER

Moderator: Michael W Belin MD

11:15 AM **Introduction**

Michael W Belin MD

11:17 AM **Evolution of Cornea Replacement Surgery: From Xenografts to Manufactured Corneas**

Charles McGhee

11:26 AM **Penetrating Keratoplasty: Why Change a Good Thing?**

Peter Zloty MD

11:33 AM **Current and Emerging Techniques for Endothelial Keratoplasty: Does It Keep Getting Better?**

Francis W Price Jr MD

11:40 AM **Patient Selection: When Not To Do What**

Kenneth M Goins MD

11:47 AM **Endothelial Survival: Are We Giving Up the Future?**

Jonathan H Lass MD

11:54 AM **Descemet Membrane Endothelial Keratoplasty: When It's Good, It's Very, Very Good, But...**

Massimo Busin MD

12:01 PM **Techniques of Deep Anterior Lamellar Keratoplasty: How To Succeed Without Bursting Your Bubble**

Irving M Raber MD

12:08 PM **The Longer It Takes, the Less I Get: The Implications of Incorporating New Technology Into Your Practice**

David B Glasser MD

12:15 PM **LUNCH and JOINT MEETING EXHIBITS**

SECTION XII: PAN-AMERICAN ASSOCIATION OF OPHTHALMOLOGY (PAAO) SYMPOSIUM

Moderator: Miguel A Srur MD

1:30 PM **Long-term Histology Changes After Crosslinking**

Juan Oscar Croxatto MD

1:37 PM **Retinal Detachment After LASIK: Is It Real?**

J Fernando Arevalo MD FACS

1:44 PM **New Developments in Diagnostic Tools for Ectasia**

Renato Ambrosio Jr MD

1:51 PM **Light Adjustable IOLs**

Arturo S Chayet MD

1:58 PM **Novel Uses of a Femtosecond Laser**

Ramon Naranjo-Tackman MD

2:05 PM **Innovations in the Treatment of Keratoconus**

Roberto Zaldivar MD

2:12 PM **Refractive Results of Femtosecond vs. Microkeratome**

Carmen J Barraquer MD

2:19 PM **Discussion**

SECTION XIII: MANAGEMENT OF DIFFICULT CASES

Moderators: Ronald R Krueger MD, James J Salz MD

2:30 PM **A Case of a Satisfactory Post Exam but a Very Dissatisfied Patient**

Daniel S Durrie MD

2:32 PM **Discussion**

2:36 PM **A Case of a Long-standing Dry Eye After LASIK**

Penny A Asbell MD FACS

2:38 PM **Discussion**

2:42 PM **A Case of a Patient Recruitment That Does Not Fit the Randleman Criteria**

Perry S Binder MD

2:44 PM **Discussion**

2:48 PM **A Case of Advanced Diffuse Lamellar Keratitis vs. Central Toxic Keratopathy**

Robert K Maloney MD

2:50 PM **Discussion**

2:54 PM **A Case of a Decentered Ablation While Using Iris Tracking**

Marc G Odrich MD

2:56 PM **Discussion**

3:00 PM **A Case of Persistent Optical Distortion With a Multifocal IOL**

Randall J Olson MD

3:02 PM **Discussion**

3:06 PM **REFRESHMENT BREAK and JOINT MEETING EXHIBITS**

SECTION XIV: THE JOURNAL OF REFRACTIVE SURGERY'S HOT, HOTTER, HOTTEST: LATE BREAKING NEWS

Moderators: George O Waring III MD FACS, Ioannis G Pallikaris MD

3:45 PM **Uses of Adhesives in Refractive Surgery**

David R Hardten MD

3:50 PM **New Pharmacological Approaches to Manage Haze Formation in PRK**

Steven E Wilson MD

3:55 PM **Different Clinical Uses of Keratoprosthesis**

Jose de la Cruz MD

4:00 PM **New Applications and Approaches for Collagen Crosslinking**

A John Kanellopoulos MD



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Subspecialty Day Schedule

Refractive Surgery 2009

4:05 PM **Biomechanical Manipulation With
Femtosecond Lasers: The German Experience**

Gerd U Auffarth MD

4:10 PM **A Method for Selection of Aspheric Lenses for
Cataract Surgery**

Mark Packer MD

4:15 PM **Flex Procedure: LASIK Without an Excimer**

Dan Z Reinstein MD

4:20 PM **Femtosecond Laser Refractive Lens Surgery**

Stephen G Slade MD FACS

4:25 PM **Depth of Focus Inlay to Correct Presbyopia**

Gunther Grabner MD

4:30 PM **Free Papers**

4:55 PM **Closing Remarks**

Gustavo E Tamayo MD, Ronald R Krueger MD

5:00 PM **ADJOURN**