Featuring ASCRS
Refractive Day, ASCRS
Glaucoma Day and
World Cornea Congress VIII
JOIN US
6:30 A.M., Sunday, May 17, Boston

Register at
www.runforsight5k.com
or visit the
Johnson & Johnson Vision
Booth #1547

Your Run for Sight participation helps provide humanitarian eye care through ASCRS Foundation programs and partnerships around the world. This year, the ASCRS Foundation will provide free eye care to more than 25,000 patients in the United States and abroad.

ascrsfoundation.org
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELCOME</td>
<td>2</td>
</tr>
<tr>
<td>THE BEST MEETING EXPERIENCE IN OPHTHALMOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>ASCRS PROGRAM AND EVENTS</td>
<td>4</td>
</tr>
<tr>
<td>ASCRS REFRACTIVE DAY</td>
<td>6</td>
</tr>
<tr>
<td>ASCRS GLAUCOMA DAY</td>
<td>10</td>
</tr>
<tr>
<td>ASCRS SUBSPECIALTY DAY EXHIBIT HALL</td>
<td>13</td>
</tr>
<tr>
<td>ASCRS PROGRAM, FRIDAY, MAY 15</td>
<td>14</td>
</tr>
<tr>
<td>ASCRS PROGRAM, SATURDAY, MAY 16</td>
<td>15-27</td>
</tr>
<tr>
<td>ASCRS PROGRAM, SUNDAY, MAY 17</td>
<td>28-38</td>
</tr>
<tr>
<td>ASCRS CATARACT DAY</td>
<td>39-41</td>
</tr>
<tr>
<td>ASCRS PROGRAM, MONDAY, MAY 18</td>
<td>42-52</td>
</tr>
<tr>
<td>ASCRS PROGRAM, TUESDAY, MAY 19</td>
<td>53-56</td>
</tr>
<tr>
<td>CONTINUING MEDICAL EDUCATION CREDIT</td>
<td>57-58</td>
</tr>
<tr>
<td>REGISTRATION INFORMATION</td>
<td>59</td>
</tr>
<tr>
<td>ASCRS EXHIBIT HALL</td>
<td>60</td>
</tr>
<tr>
<td>ASCRS EXHIBITORS</td>
<td>61-71</td>
</tr>
<tr>
<td>HOTEL AND TRAVEL INFORMATION</td>
<td>72</td>
</tr>
</tbody>
</table>
Colleagues,

Welcome to the 2020 ASCRS Annual Meeting. As an anterior segment surgeon, you recognize the value that this preeminent meeting brings to your personal growth, your practice, and your patients.

ASCRS in general, and the 2020 ASCRS Annual Meeting specifically, are laser-focused on meeting the needs of anterior segment surgeons like you. Through the educational programming, the innovative learning formats, and the innumerable opportunities to network with colleagues and peers, this meeting is designed to advance your clinical skills and professional knowledge while providing a rewarding, memorable event.

While every ASCRS Annual Meeting delivers an exceptional experience, the 2020 meeting promises to exceed expectations. I'm delighted to share with you some of the most exciting aspects of the 2020 ASCRS Annual Meeting:

• Cataract surgery comprises more than 62% of programming
• ASCRS now features Cataract Day on Monday
• There are multiple skills transfer sessions with 1:1 faculty:attendee ratio
• Based on its 2019 success, Meet the Expert small group sessions are offered in 2020
• ASCRS Satellite CME Programs to complement the main program
• ASCRS Essentials Track
• A Breadth of topics are covered across the 25+ symposia
• ASCRS offers multiple networking opportunities to help you build and maintain important professional relationships
• To keep you ahead of the innovation curve, ASCRS created multiple experiential events in the exhibit hall including the ASCRS Tap Room, and the ASCRS Tour of Excellence
• Multiple legacy events include:
  – Binkhorst Lecture presented by Richard A. Lewis, MD
  – The ASCRS Charles D. Kelman Innovator’s Lecture award winner Roy W. Beck, MD, PhD
  – The Best of ASCRS, featuring the best papers from the 2020 meeting
  – The Voice, Season 3, featuring an all new line-up of coaches
• The 2020 Annual Meeting will include an inspiring address by Duke Blue Devils’ Coach Mike Krzyzewski, the winningest coach in college basketball history

Make the most of your time in Boston to take full advantage of this exceptional meeting. Be sure you plan to get to Boston in time to attend ASCRS Subspecialty Day; all Subspecialty Day registrants can move seamlessly across ASCRS Refractive Day, ASCRS Glaucoma Day and Friday’s World Cornea Congress programming. And, be sure to extend your stay through Tuesday to join Monday’s ASCRS Cataract Day and Tuesday’s Best of ASCRS.

ASCRS designed this 2020 ASCRS Program Preview to help you identify educational opportunities by day and by type at a glance, so you can easily plan your time to align with your professional interests. In addition, through ASCRS Presentations on Demand, you’ll have access to all instructional courses, lectures and symposia within 48-hours, so you can be confident that you won’t miss any of the exceptional education offered throughout this meeting.

On behalf of the ASCRS program committee, we look forward to seeing you in Boston. The 2020 ASCRS Annual Meeting promises to be an extraordinary event for anterior segment surgeons.

Edward J. Holland, MD
ASCRS Program Chair
Featuring essential education in a nurturing, comfortable environment, this meeting transforms the educational experience into an exceptional peer-to-peer knowledge-sharing event. Anterior segment surgeons consistently rank ASCRS clinical programming as best-in-class. The hands-on learning opportunities, interactive session formats, practical information, and the depth of topic coverage provide attendees a rich, expansive learning experience that yields insights and information to help improve patient outcomes.

Did you learn something new by attending this meeting?

- Yes: 98%
- No: 2%

The 2020 ASCRS Annual Meeting will showcase the latest in anterior segment treatments and surgical techniques, with most of the content focused on cataract surgery. Attendees value the laser-focused agenda, where they are surrounded by peers, colleagues and mentors. This concentration of anterior segment surgeons allows for in-depth discussions and varied clinical approaches, expanding the knowledge level of meeting attendees.

**2020 ASCRS SESSIONS BY TOPIC AREA (ESTIMATED)**

- Cataract: 62%
- Cornea: 21%
- Refractive: 9%
- Glaucoma: 6%
- Retina: 2%

Don’t miss this opportunity to refine and enhance your clinical skills, boost your professional knowledge and connect with friends and colleagues. Register for the 2020 ASCRS Annual Meeting today!
## ASCRS PROGRAM AND EVENTS

### Friday, May 15, 2020

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- ASCRS Satellite CME Programs
- ASCRS ePosters and Films on Demand
- YES Connect Lounge
- ASCRS eyePAC Reception

### Saturday, May 16, 2020

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*Additional registration required. Fees may apply.
## ASCRS PROGRAM AND EVENTS

| Monday, May 18, 2020 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | Noon | 1:00 p.m. | 2:00 p.m. | 3:00 p.m. | 4:00 p.m. | 5:00 p.m. | 6:00 p.m. | 7:00 p.m. | 8:00 p.m. | 9:00 p.m. |
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| ASCRS Innovators General Session | | | | | | | | | | | | | | | |
| ASCRS Cataract Day (NEW) | | | | | | | | | | | | | | | |
| ASCRS Symposia | | | | | | | | | | | | | | | |
| ASCRS Instructional Courses | | | | | | | | | | | | | | | |
| ASCRS Scientific Paper Sessions | | | | | | | | | | | | | | | |
| ASCRS Live Poster Presentations | | | | | | | | | | | | | | | |
| ASCRS ePosters and Films On Demand | | | | | | | | | | | | | | | |
| ASCRS Skills Transfer Labs* | | | | | | | | | | | | | | | |
| YES Connect Lounge | | | | | | | | | | | | | | | |
| ASCRS Film Festival Awards Ceremony | | | | | | | | | | | | | | | |
| ASCRS Exhibit Hall | | | | | | | | | | | | | | | |

| Tuesday, May 19, 2020 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | Noon | 1:00 PM | 2:00 PM | 3:00 PM | 4:00 PM | 5:00 PM | 6:00 PM | 7:00 PM | 8:00 PM | 9:00 PM |
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| Best of ASCRS General Session | | | | | | | | | | | | | | | |
| ASCRS Symposia | | | | | | | | | | | | | | | |
| ASCRS Instructional Courses | | | | | | | | | | | | | | | |
| ASCRS Scientific Paper Sessions | | | | | | | | | | | | | | | |
| ASCRS Replay of Film Festival Winners | | | | | | | | | | | | | | | |
| ASCRS e-Posters and Films On Demand | | | | | | | | | | | | | | | |

*Additional registration required. Fees may apply.

Visit [https://annualmeeting.ascrs.org/](https://annualmeeting.ascrs.org/) for up to date programming information and registration details.
Welcome to 2020 ASCRS Subspecialty Day!

2020 ASCRS Subspecialty Day in Boston, MA promises to set the bar high, kicking off an exciting weekend dedicated to anterior segment surgical education, networking, comradery and professional growth.

ASCRS Refractive Day and ASCRS Glaucoma Day, in conjunction with Friday’s World Cornea Congress VIII programming, collectively, provide attendees with the highest caliber of concentrated clinical programming focused on the subspecialties that are most important for anterior segment surgeons. Registered attendees can freely move between all three sessions at no additional charge, providing an unparalleled learning opportunity. For those who can’t decide which session to attend, not to worry. All ASCRS Subspecialty Day registrants will have full access to the day’s content within 48 hours via ASCRS Presentations on Demand.

ASCRS Refractive Day will feature the honored Steinert Refractive Lecture presented by Stephen Slade, MD. Dr. Slade’s instructive lecture combined with the interactive panel discussions promise to include innovative techniques and new surgical technologies that will help to improve your outcomes.

ASCRS Glaucoma Day will feature the original founding members of the ASCRS Glaucoma Clinical Committee, Alan S. Crandall, MD, Murray A. Johnstone, MD, Alan L. Robin, MD, and Bradford J. Shingleton, MD. The esteemed panel will discuss What Has Changed Since 1997 in Glaucoma Surgery. New in 2020, the exciting day-long session will also include a Retina Crossover Presentation covering topics such as IOP Elevation After Anti-VEGF and Retinal Surgeries and other topics. Cynthia Mattox, MD will join as a keynote speaker, presenting on the Business of Glaucoma 2020 and Beyond.

2020 ASCRS Subspecialty Day is an expansive deep dive into ophthalmology’s most essential subspecialties. We look forward to seeing you on Friday, May 15, 2020 in Boston!
ASCRS REFRACTIVE DAY 2020

Sponsored by the ASCRS Refractive Surgery Clinical Committee

ASCRS REFRACTIVE DAY: TAKING REFRACTIVE CATARACT AND CORNEA SURGERY TO THE NEXT LEVEL!

Attend this one-day meeting for all of your cornea refractive and refractive IOL needs. This program is a comprehensive overview of refractive surgery advancements, providing innovative techniques and new surgical technologies to help improve your patient outcomes.

PROGRAM CHAIRS:
Eric Donnenfeld, MD
Vance Thompson, MD

SESSION MODERATORS:
Preeya Gupta, MD
John Hovanesian, MD
Terry Kim, MD
Robert Maloney, MD
Marguerite McDonald, MD
William Trattler, MD
John Vukich, MD
Elizabeth Yeu, MD

PANELISTS:
Deepinder Dhaliwal, MD
Marjan Farid, MD
David Hardten, MD
Kathryn Hatch, MD
Richard Hoffman, MD
Lance Kugler, MD
Michael Patterson, MD
Julie Schallhorn, MD
Robert Weinstock, MD
William Wiley, MD
Blake Williamson, MD
Roger Zaldivar, MD
8:00 – 10:00 a.m.
SESSION I: THE PREOPERATIVE EVALUATION
Preoperative evaluation of patients undergoing lens and cornea based refractive surgery. Case studies and discussion will be emphasized.

Introduction
Vance Thompson, MD

Everything I Want to Know About Corneal Topography But Were Afraid to Ask
Kendall Donaldson, MD

GENIUS BAR 1: CASE STUDIES IN CORNEAL TOPOGRAPHY
Renato Ambrosio, MD; Stephen Klyce, PhD; J. Bradley Randleman, MD; William Trattler, MD

Evaluating the Ocular Surface for the Refractive Surgery Patient
Edward J. Holland, MD

Real World Rapid Ocular Surface Rehabilitation of the Refractive Surgery Patient
Elizabeth Yeu, MD

The Macula OCT is Not Normal: What Should I Do – The Retina Perspective?
Steve Charles, MD

The Cornea is Not Normal: What Should I Do Differently with my Cataract Surgery?
Sumit “Sam” Garg, MD

The Hidden Cost of Monofocal IOLs
Daniel Chang, MD

IOL Selection Following Previous Refractive Cornea Surgery
Richard Tipperman, MD

Refractive Enhancements Following Cataract Surgery
Zaina Al-Mohtaseb, MD

Decision Making in Toric IOL Re-Alignment
John Berdhal, MD

Government Relations
Parag Parekh, MD

Break in Exhibit Hall

10:20 a.m. – NOON
SESSION II: REFRACTIVE CORNEAL SURGERY
This session will look at advances in refractive corneal surgery with an emphasis on case management.

Case Studies in Refractive Corneal Surgery
Steven Dell, MD and Eric Donnenfeld, MD

How to Grow Your Laser Vision Correction Practice
Blake Williamson, MD

Update on SMILE
John Doane, MD

Prevention and Management of Corneal Refractive Complications
John Rubenstein, MD

Introduction of the Steinert Refractive Lecture
Steven Dell, MD

The Steinert Refractive Lecture: LASIK: Lessons Learned
Stephen Slade, MD

Lunch in Exhibit Hall

Visit https://annualmeeting.ascrs.org/ for up to date programming information and registration details.
1:00 – 3:00 p.m.
SESSION III: REFRACTIVE CATARACT SURGERY
Emphasize advances in refractive cataract surgery with talks describing how to treat and manage patients desiring refractive outcomes. Advances in technology that have led to high patient satisfaction in refractive cataract surgery will be taught including how to optimize them.

How to Get Started in Refractive Cataract Surgery
Russell Swan, MD

The Business of Refractive Cataract Surgery
Richard Lindstrom, MD

My Pearls for Choosing the Right IOL for the Right Patient
Sumitra Khandelwal, MD

Why Are We Not Doing More Toric IOLs? How to Get Started
Y. Ralph Chu, MD

Extended Depth of Focus IOLs: Pearls and Pitfalls
Keith Walter, MD

The Trifocals Have Arrived! What I Need to Know
John Hovanesian, MD

Intraoperative Pearls in Refractive Cataract Surgery
Vance Thompson, MD

Treating the Unhappy Refractive Cataract Patient
Tal Raviv, MD

How to Perform an IOL Exchange
Kevin Miller, MD

Break in Exhibit Hall

3:00 – 4:30 p.m.
SESSION IV: NEW TECHNOLOGY TODAY AND ON THE HORIZON
The future of Refractive Cataract Surgery and Cornea Surgery is extremely promising. New technology will be introduced, and case studies will be discussed.

Automated Capsulotomy
Kevin Waltz, OD, MD

Advances in Drug Delivery for Cataract Surgery
Mitchell Jackson, MD

MIGS for the Cataract Surgeon
Nathan Radcliffe, MD

What’s Next in Biometry and IOL Calculation
Oliver Findl, MD

The Holy Grail: A Dual Optic, Curvature Changing Accommodating IOL
Uday Devgan, MD

Trifocal and Extended Depth of Focus IOLs: New Technology on the Horizon
Thomas Kohnen, MD

Adjustable IOL Technology
Robert Maloney, MD

Femtosecond Laser Refractive Indexing
Nick Mamalis, MD

Genius Bar 2: Case Studies in IOL Selection
Graham Barrett, MD; David Chang, MD; Warren Hill, MD; Douglas Koch, MD
ASCRS GLAUCOMA DAY

ASCRS GLAUCOMA DAY

ASCRS ANNUAL MEETING PREVIEW

Improve patient outcomes and change your treatment of glaucoma with cutting-edge guidance for expanding your glaucoma treatment options. Acclaimed speakers, real-world case studies, debates, videos and the latest surgical techniques and clinical advances make ASCRS Glaucoma Day this year’s premier glaucoma event.

GLAUCOMA DAY PROGRAM CHAIR
Leon W. Herndon, Jr., MD

PROGRAM COMMITTEE
Ike K. Ahmed, MD
Jacob W. Brubaker, MD
Garry P. Condon, MD
Brian A. Francis, MD
Davinder Grover, MD
Paul J. Harasymowycz, MD, FRCSC
Sameh Mosaed, MD
Marlene R. Moster, MD
Robert J. Noecker, MD
Michael F. Oats, MD
Thomas D. Patrianakos, DO
Jody Piltz-Seymour, MD
Nathan M. Radcliffe, MD
Douglas J. Rhee, MD
Thomas W. Samuelson, MD
Amy D. Zhang, MD
## ASCRS Glaucoma Day Preliminary Program

### 8:00 - 8:05 a.m.
**Welcome** Leon W. Herndon, Jr., MD

### 8:00 - 9:00 a.m.
**I. AGS/ASCRS Joint Symposium: Influence of Glaucoma Surgery on Cornea**
Moderators: Brian A. Francis, MD, Anjali Bhorade, MD

### 8:05 - 8:12 a.m.
Managing Endothelial Loss after MIGS Procedure
Malik Y. Kahook, MD

### 8:13 - 8:20 a.m.
Managing Endothelial Loss after Traditional Glaucoma Surgery
Douglas J. Rhee, MD

### 8:21 - 8:28 a.m.
Astigmatism: How much do we create? How do we fix it?
Alan L. Robin, MD

### 8:29 - 8:36 a.m.
Corneal Hysteresis and Glaucoma Surgery: Any Consideration?
Davinder S. Grover, MD, MPH

### 8:37 - 8:44 a.m.
Management of OSD Before and After Glaucoma Surgery
Laura A. Voicu, MD

### 8:45 - 9:00 a.m.
Panel Q/A

### 9:01 - 10:16 a.m.
**II. Glaukomtecken: Practical Tech for the Modern Ophthalmologist**
Moderators: Nathan M. Radcliffe, MD, Jacob W. Brubaker, MD

#### 9:01 - 9:02 a.m.
Introduction

#### 9:03 - 9:12 a.m.
**Part 1: Here and Now Tech: Pearls to Using the Tech You Already Have**
What THEY See is What You Get: Improving Reliability and Understanding of Visual Field Testing
Jithin Yohannan, MD, MPH

#### 9:13 - 9:22 a.m.
What YOU See is What You Get: Improving Reliability and Understanding of OCT
Sarah H. Van Tassel, MD

#### 9:23 - 9:32 a.m.
What You Get is What You Get: Making Decisions Based on What You Acquire
Jacob W. Brubaker, MD

#### 9:33 - 9:38 a.m.
Panel Q/A

### 9:39 - 9:46 a.m.
**Part 2: Next Tech:**
Modernizing your Visual Field Toolbox: HVF 24-2 C and SITA Faster
C. Gustavo De Moraes, MD, MPH

### 9:47 - 9:54 a.m.
TonoTek: Tonometry from I-to-OP
Nathan M. Radcliffe, MD

### 9:55 - 10:02 a.m.
Glaucoma - Next T eken
Marlene R. Moster, MD

### 10:03 - 10:16 a.m.
Panel Q/A

### 10:17 - 10:37 a.m.
**Break with Exhibitors**

#### 10:38 - 11:52 a.m.
**III. Medications and Lasers: Practical Concepts for Enhancing Glaucoma Care**
Moderators: Jody Piltz-Seymour, MD, Robert J. Noecker, MD

#### 10:38 - 10:39 a.m.
Introduction: Meds and Lasers

#### 10:40 - 10:46 a.m.
**Part 1: Medications**
New Kids on the Block Part 1: New Meds
Victoria Addis, MD

#### 10:47 - 10:53 a.m.
New Kids on the Block Part 2: New Deliveries
Ahmad A. Aref, MD

#### 10:54 - 11:00 a.m.
Mix it Up: The Role of Fixed Combination and Compounded Therapies
Roma Patel, MD

#### 11:01 - 11:02 a.m.
**Part 2: Lasers**
Introduction: Point/Counterpoint: Is SLT First Line Therapy?

#### 11:03 - 11:09 a.m.
Pro: LiGHT Trial and other Evidence
Robert J. Noecker, MD

#### 11:10 - 11:16 a.m.
Con: Meds Should Come First
Kuldev Singh, MD

#### 11:17 - 11:30 a.m.
Panel Q/A and Case Studies

#### 11:31 - 11:38 a.m.
**Part 3: The Changing Paradigm for Glaucoma Therapy**
Is there a Role for Cycloablation in Early-to-Moderate Glaucoma?
Lucy Q. Shen, MD

#### 11:39 - 11:45 a.m.
Up in Smoke: Role of Marijuana in Glaucoma Treatment
Sameh Mosaed, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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<tbody>
<tr>
<td>11:46 - 11:52 a.m.</td>
<td>Panel Q/A</td>
<td>2:08- 2:26 p.m.</td>
<td>Part 3: Moderator: Paul J. Harasymowycz, MD, FRCSC MIGS fails, and MIGS with Cataract Cases Case-based Discussions with Panel</td>
</tr>
<tr>
<td>11:53 - 12:10 p.m.</td>
<td><strong>Keynote: Business of Glaucoma 2020 and Beyond</strong></td>
<td>2:27 - 3:10 p.m.</td>
<td><strong>Obstbaum Honored Lecture</strong></td>
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<tr>
<td>11:53 - 11:54 a.m.</td>
<td>Introduction of Keynote Speaker</td>
<td>3:11 - 3:31 p.m.</td>
<td><strong>Break with Exhibitors</strong></td>
</tr>
<tr>
<td>11:55 - 12:10 p.m.</td>
<td><strong>Keynote Speaker: Cynthia Mattox, MD</strong></td>
<td>3:32 - 4:07 p.m.</td>
<td><strong>V. Retina Crossover Presentation</strong></td>
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<tr>
<td>12:10 - 12:55 p.m.</td>
<td>Lunch with Exhibitors</td>
<td>3:32 - 3:33 p.m.</td>
<td>Moderator: Amy D. Zhang, MD</td>
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<td>12:20 - 12:45 p.m.</td>
<td>Café Discussion</td>
<td>3:33 - 3:40 p.m.</td>
<td>Introduction</td>
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<tr>
<td>12:45 - 12:55 p.m.</td>
<td>Government Relations</td>
<td>3:41 - 3:48 p.m.</td>
<td>IOP Elevation After Anti-VEGF and Retinal Surgeries</td>
</tr>
<tr>
<td>12:56 - 2:26 p.m.</td>
<td><strong>IV. Surgical Glaucoma Spotlight</strong></td>
<td>3:49 - 3:56 p.m.</td>
<td>Endophthalmitis Management after Glaucoma Surgery</td>
</tr>
<tr>
<td>12:56 - 12:57 p.m.</td>
<td>Introduction</td>
<td>3:57 - 4:07 p.m.</td>
<td>When to Recruit Help from Retina Colleagues During Glaucoma Surgery</td>
</tr>
<tr>
<td>12:58 - 1:05 p.m.</td>
<td><strong>Part 1:</strong></td>
<td>4:08 - 4:30 p.m.</td>
<td><strong>VI. 11th Annual Complications and a “Reay of Hope” Video Case Presentations</strong> Moderator: Thomas D. Patrianacos, DO</td>
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<td>1:06 - 1:12 p.m.</td>
<td>Subconjunctival MIGS</td>
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<td>1:13 - 1:21 p.m.</td>
<td>When to Consider Conventional Surgery</td>
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<td>1:22 - 1:31 p.m.</td>
<td>Panel Q/A</td>
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<td>1:32 - 1:39 p.m.</td>
<td><strong>Part 2:</strong></td>
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<td>1:40 - 1:48 p.m.</td>
<td>Premium IOL Selection and MIGS</td>
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<td>1:49 - 1:56 p.m.</td>
<td>Management/Avoidance of MIGS Complications</td>
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<tr>
<td>1:57 - 2:07 p.m.</td>
<td>Panel Q/A</td>
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</table>
The 2020 ASCRS Subspecialty Day exhibitors offer exceptional opportunities to learn about products, current and emerging technologies.

FRIDAY, MAY 15 | 7:00 a.m.– 4:00 p.m. | BALLROOM FOYER, LEVEL 3

The ASCRS Subspecialty Day exhibit hall, open to all attendees of ASCRS Glaucoma Day, ASCRS Refractive Day, offers a unique opportunity for you to connect with exhibitors that pertain to your field. The exhibits for ASCRS Subspecialty Day will be open for a limited time, beginning with breakfast on Friday morning, during breaks and lunch. Be sure to make time to visit exhibitors throughout the meeting!

**ASCRS SUBSPECIALTY DAY EXHIBITORS**

Aerie Pharmaceuticals, Inc.
- Alcon
- Allergan
- Bausch + Lomb
- BioTissue
- BVI
- EyePoint Pharmaceuticals
- Glaukos
- Icare Tonometers/CenterVue, Inc.
- Keeler Instruments
- Konan Medical USA, Inc.
- Lumenis-Vision
- Mallinckrodt Pharmaceuticals
- New World Medical
- Novartis
- Oculus, Inc.
- OCuSOFT, Inc.
- OMIC
- Sight Sciences
- STAAR Surgical
- ZEISS
YOUNG EYE SURGEONS (YES) SKILLS TRANSFER LABS*

ASCRS is pleased to provide hands-on skills transfer labs designed exclusively for residents, fellows and ophthalmologists in their first five years of practice. Separate registration is required.

YES CATARACT SURGERY/MIGS WET LABS
This session will review steps of the cataract surgical procedure including: incisions, capsulorhexis, machine settings, phacoemulsification, fluidics, cortex removal, chopping, flipping, and placement of capsule tension rings, iris hooks and expansion rings. Additional instruction on drug delivery in cataract surgery, dense cataracts, nuclear disassembly, secondary lenses and the Yamane technique will be provided. Part two will explore various glaucoma procedures to include minimally invasive glaucoma surgery and micro stent implant-trabecular and supraciliary.

9:00-11:00 a.m.
YSTL-1 YES Cataract Surgery and MIGS Wet Lab
Lead Instructors: Leela Raju, MD; Michael D. Patterson, DO

12:00–2:00 p.m.
YSTL-2 YES Cataract Surgery and MIGS Wet Lab
Lead Instructors: David A. Crandall, MD; Zachary J. Zavodni, MD

2:30–4:30 p.m.
YSTL-3 YES Cataract Surgery and MIGS Wet Lab
Lead Instructors: Julie Schallhorn, MD; Manjool Shah, MD

YES DESCEMET MEMBRANE ENDOTHELIAL KERATOPLASTY (DMEK) WET LABS
This session will include a hands-on lab to learn and explore the various stages of DMEK surgery using pre-loaded and pre-peeled grafts. This lab is targeted for cornea fellows, senior residents interested in cornea, and corneal surgeons interested in learning DMEK surgery.

9:00–10:00 a.m.
YSTL-4 YES DMEK Wet Lab
Lead Instructor: Naveen K. Rao, MD

2:30–3:30 p.m.
YSTL-5 YES DMEK Wet Lab
Lead Instructor: Samuel H. Lee, MD

Visit https://annualmeeting.ascrs.org/ for up to date programming information and registration details.

ADDITIONAL INFORMATION KEY

*Additional registration required, fees may apply

YES Recommended sessions for Young Eye Surgeons-residents, fellows, and surgeons in their first five years of practice.

ESSENTIALS Sessions within the Essentials Track will focus on fundamental and indispensable concepts for anterior segment surgeons at all skill levels.

NEW Sessions identified with this icon are new material that have not been presented at the prior two ASCRS meetings.
### 8:00–9:30 a.m.

#### INSTRUCTIONAL COURSES

<table>
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<tr>
<th>CORNEA</th>
<th>CATARACT</th>
<th>KERATOREFRACTIVE</th>
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| **IC-101** Simple DALK and Split Techniques  
NEW  
_Instructor:_ Nicolas Fernandez-Mejide, MD  
_Co-Instructors:_ Nestor Szuster, MD; María José Cosentino, MD<br> | **IC-102** Strategically Backing Off to Lose a Battle but Win the War  
_Instructor:_ Suven Bhattacharjee, MD  
_Co-Instructors:_ Ike K. Ahmed, MD; Soosan Jacob, MS, DNB, FRCS; Rohit Omm Parkash, MS; Vineet Ratra, FRCSEd; Arup Chakrabarti, MS<br> | **IC-103** Two Decades of Customized Refractive and Therapeutic Ablations in Regular and Irregular Eyes: Didactic and Live Treatment-Designing Course  
NEW  
_Instructor:_ A. John Kanellopoulos, MD<br> |
| **IC-104** Cataract Surgery: What I Say – Conversations That Improve the MD-Patient Relationship  
NEW  
_Instructor:_ Jack Parker, MD, PhD  
_Co-Instructors:_ Robert H. Osher, MD; David F. Chang, MD; Michael E. Snyder, MD; Samuel Masket, MD; Sebastian Heersink, MD<br> | **IC-105** Ocular Surface Disorders: Newer Paradigms  
NEW  
_Instructor:_ Karan Bhatia, DOMS, DNB  
_Co-Instructors:_ Pooja Khamar, MD; Namrata Sharma, MD; Prasanth Gireesh, MD; Anand S. Pasari, MS<br> | **IC-106** Deep Anterior Lamellar Keratoplasty: New Frontiers  
_Instructor:_ Enrica Sarnicola, MD  
_Co-Instructors:_ Caterina Sarnicola, MD; Vincenzo Sarnicola, MD; Donald TH Tan, FRCS; Rajesh Fogla, MD; Albert Y. Cheung, MD<br> |
| **IC-107** Secondary IOL Implantation: What I Have Learned and My Current Technique  
_Instructor:_ George H. Beiko, BM BCh, FRCSC  
_Co-Instructors:_ John C. Hart Jr., MD; Gerd U. Auffarth, MD, PhD; Amar Agarwal, MS, FRCS; Shin Yamane, MD, PhD; Gabor B. Scharioth, MD, PhD<br> |
### ASCRS ANNUAL MEETING PREVIEW

**ASCRS PROGRAM**

**SUNDAY, MAY 16**

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**8:00–9:30 a.m.**

**PAPER SESSIONS**

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<th>CORNEA</th>
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<tr>
<td><strong>SPS-101</strong> Corneal Procedures and Diagnostics: EK, PK, CXL, Other&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Philip W. Dockery, MPH&lt;br&gt;Dania M. Jamal, MBBS&lt;br&gt;Giella Santaella, MD&lt;br&gt;Zachary Landis, MD&lt;br&gt;Eric Abdullayev, MD&lt;br&gt;Reza Ghaffari, MD&lt;br&gt;Henry Liu, MD&lt;br&gt;Yoav Nahum, MD&lt;br&gt;John D. Stephens, MD&lt;br&gt;Elizabeth Shen, MD&lt;br&gt;Daliya Dzhaber, MD&lt;br&gt;Nichelle Warren, MD&lt;br&gt;Mohamed Tolba, MD, MSc&lt;br&gt;Mohamed Abou Shousha, MD&lt;br&gt;Carlos H. Gordillo, MD&lt;br&gt;Aline Moriyama, MD</td>
<td><strong>SPS-102</strong> Astigmatism Management, Toric IOLs&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Eunchul Kim, MD, PhD&lt;br&gt;Sharmina R. Khan, FRCOphth&lt;br&gt;Helga F Pizio, MD&lt;br&gt;Inkwan Chung, MD&lt;br&gt;Yonca Aydin Akova&lt;br&gt;Jason J. Jones, MD&lt;br&gt;Thomas Kohnen, MD, PhD&lt;br&gt;Brent A. Kramer, MD&lt;br&gt;Jeffrey Whitman, MD&lt;br&gt;P. Dee G. Stephenson, MD&lt;br&gt;Mitchell C. Shultz, MD&lt;br&gt;Alice T. Epitropoulos, MD&lt;br&gt;Ashokkumar Vyas, FRCS&lt;br&gt;Haripriya Aravind, MD&lt;br&gt;Gerald P. Clarke, MD</td>
<td><strong>SPS-103</strong> Femtosecond Laser Assisted Cataract Surgery&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Douglas D. Koch, MD&lt;br&gt;Yu-Chi Liu, MD&lt;br&gt;Jonathan T. Chao, MD&lt;br&gt;Roberto Gonzalez-Salinas, MD, PhD&lt;br&gt;Caroline S. Germano, MD&lt;br&gt;Sheetal Brar, MD&lt;br&gt;Zoltan Z. Nagy, PhD&lt;br&gt;Shail A. Vasavada, DNB, FRCS&lt;br&gt;Andrea C. Arteaga, MD&lt;br&gt;Swapna Nair, FRCS&lt;br&gt;Mahipal S. Sachdev, MD&lt;br&gt;Hoseok Chung, MD&lt;br&gt;Su Young Moon, MD&lt;br&gt;Bibhuti Kashyap, MD&lt;br&gt;Eric S. Tam, MD&lt;br&gt;Pavel Stodulka, MD, PhD</td>
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<td><strong>KERATOREFRACTIVE</strong></td>
<td><strong>GLAUCOMA</strong></td>
<td><strong>KERATOREFRACTIVE</strong></td>
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<td><strong>SPS-104</strong> Refractive Procedure Outcomes: SMILE, SMILE and CXL, ICL&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Jodhbir S Mehta, MBBS, PhD&lt;br&gt;Chunlei Liu, MD, PhD&lt;br&gt;Sung Min Kim, MD&lt;br&gt;Kathleen J. Jee, MD&lt;br&gt;Veronika Jakubowska, MD&lt;br&gt;Terence McSwiney, BM BCh&lt;br&gt;Dan Z. Feinstein, MD, FRCS&lt;br&gt;Brett H. Mueller II, DO, PhD&lt;br&gt;Kyle T. Packer, MD&lt;br&gt;Suphi Taneri, MD&lt;br&gt;Erik L. Mertens, MD&lt;br&gt;Alisha A. Ho&lt;br&gt;Aanchal Gupta, MBBS&lt;br&gt;Sonia Maheshwari, MS&lt;br&gt;Zhiyu Du, MD</td>
<td><strong>SPS-105</strong> Minimally Invasive Glaucoma Surgery: Viscocanalostomy, Combined Procedures, Outcomes&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Shamik Bafna, MD&lt;br&gt;Jonathan M. Davidorf, MD&lt;br&gt;Linda L. Burk, MD&lt;br&gt;Juan Carlos Izquierdo, MD&lt;br&gt;Gavin S. Docherty, FRCS&lt;br&gt;David M. Lubeck, MD&lt;br&gt;Peyton A. Rather&lt;br&gt;Richard L. Lindstrom, MD&lt;br&gt;Mark J. Gallardo, MD&lt;br&gt;Steven D. Vold, MD&lt;br&gt;Arsham Sheybani, MD&lt;br&gt;Karsten Klabe, MD</td>
<td><strong>SPS-106</strong> Refractive Procedure Outcomes: SMILE, SMILE and CXL, ICL&lt;br&gt;<strong>Presenters:</strong>&lt;br&gt;Jodhbir S Mehta, MBBS, PhD&lt;br&gt;Chunlei Liu, MD, PhD&lt;br&gt;Sung Min Kim, MD&lt;br&gt;Kathleen J. Jee, MD&lt;br&gt;Veronika Jakubowska, MD&lt;br&gt;Terence McSwiney, BM BCh&lt;br&gt;Dan Z. Feinstein, MD, FRCS&lt;br&gt;Brett H. Mueller II, DO, PhD&lt;br&gt;Kyle T. Packer, MD&lt;br&gt;Suphi Taneri, MD&lt;br&gt;Erik L. Mertens, MD&lt;br&gt;Alisha A. Ho&lt;br&gt;Aanchal Gupta, MBBS&lt;br&gt;Sonia Maheshwari, MS&lt;br&gt;Zhiyu Du, MD</td>
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8:00–9:30 a.m.

**SKILLS TRANSFER & PHYSICIAN LEARNING LABS**

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<th>CATARACT</th>
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<tr>
<td><strong>STL-1  Advanced Phaco</strong>&lt;br&gt;Instructor: Kevin M. Miller, MD&lt;br&gt;Co-Instructors: Lisa B. Arbisser, MD; Clara C. Chan, MD; Sherleen Chen, MD; Michael Colvard, MD; Uday Devgan, MD; Sumit Garg, MD; A. Tim Johnson, MD, PhD; Rom Kandavel, MD; James A. Katz, MD; Shawn R. Lin, MBA, MD; Matteo Piovella, MD; Naveen K. Rao, MD; Donald N. Serafano, MD; William L. Trotter, MD</td>
<td><strong>STL-2  Corneal Suturing Techniques</strong>&lt;br&gt;Instructor: Jonathan B. Rubenstein, MD&lt;br&gt;Co-Instructors: Natalie A. Afshari, MD; Winston D. Chamberlain, MD, PhD; Derek W. DelMonte, MD; Laura K. Green, MD; Amy Lin, MD; Shahzad Mian, MD; Christopher S. Sales, MD, MPH; Audrey R. Talley Rostov, MD; Sonal S. Tuli, MD, M.Ed; Bennett Walton, MD, MBA; Helen K. Wu, MD</td>
<td><strong>PLL-1  Intraoperative Guidance Systems</strong>&lt;br&gt;Instructor: Gerald J. Roper, MD</td>
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**ASCRS POSTER PAVILION**

Electronic Posters, Scientific Films, and ASCRS Ophthalmology Hall of Fame videos will be available for viewing each day, on-demand at the kiosks located in the Poster Pavilion.
8:30–9:30 a.m.

ROUNDTABLES: MEET THE EXPERTS

Start your annual meeting by attending one of these roundtable discussions with the experts. No pre-registration required. Seating and selectin of topics/experts will be on a first come, first-served basis. Attendance for this session is limited to ASCRS MD/PhD registrants only.

<table>
<thead>
<tr>
<th>SESSION NUMBER</th>
<th>TOPIC(S)</th>
<th>EXPERTS</th>
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| RT-1           | Starting Refractive Cataract Surgery
|                | SMILE Procedure | D. Rex Hamilton, MD
|                |                   | Vance M. Thompson, MD |
| RT-2           | Refractive Cataract Surgery
|                | IOL Calculations | Eric D. Donnenfeld, MD
|                |                   | Sumitra S. Khandelwal, MD, ABO |
| RT-3           | Ooh! Why Is My Post-op Less Than Satisfied After Cataract Surgery? | Claudia E. Perez Straziota, MD
|                |                   | Elizabeth You, MD |
| RT-4           | Femtosecond Laser Assisted Cataract Surgery | Sarah Nehls, MD
|                |                   | Robert J. Weinstock, MD |
| RT-5           | Managing Complications During Cataract Surgery
|                | Anterior Vitrectomy | Gregory SH. Ogawa, MD
|                |                   | Abhay R. Vasavada, MS, FRCS |
| RT-6           | Artificial Iris
|                | Iris Repair | Brandon D. Ayres, MD
|                |                   | Jason R. Mayer, MD |
| RT-7           | Management of Complications
|                | Zonulopathy Cases | Richard Tipperman, MD
|                |                   | Zachary J. Zavodni, MD |
| RT-8           | Refining IOL Measurements for Cataract Surgery: Pearls to Achieve Our Very Best Refractive Outcomes | Kendall E. Donaldson, MD
|                |                   | Mitchell A. Jackson, MD |
| RT-9           | Astigmatism Management at the Time of Cataract Surgery
|                | Complex Cataract Surgery | Zaina Al-Mohtaseb, MD
|                |                   | Manjool Shah, MD |
| RT-10          | Biometry and IOL Calculations;
|                | Staring out in Academic Practice | Julie Schallhorn, MD
|                |                   | Mitchell P. Weikert, MD |
| RT-11          | Correction of Astigmatism During Cataract Surgery
|                | Cataract Surgery in Irregular Corneas | Jessica B. Ciralsky, MD
|                |                   | Douglas D. Koch, MD |
| RT-12          | Dislocated IOLs
|                | IOL Exchange | Samuel H. Lee, MD
|                |                   | Cathleen M. McCabe, MD |
| RT-13          | IOL Power Selection Following Refractive Surgery | Warren E. Hill, MD
|                |                   | Yurii McKee, MD |
| RT-14          | Light Adjustable Lens;
|                | Astigmatism Management | John P. Berdahl, MD
|                |                   | John A. Vukich, MD |
| RT-15          | Management of Dislocated IOLs
|                | Sutured IOL Fixation | Marjan Farid, MD
|                |                   | Huck A. Holz, MD |
| RT-16          | Presbyopia Correcting IOL Options in 2020 | Daniel H. Chang, MD
|                |                   | Scott E. LaBorwit, MD |
| RT-17          | Presbyopia Correction
|                | Dealing with Unhappy Multifocal Patients | Quentin B. Allen, MD
|                |                   | Karl G. Stonecipher, MD |
| RT-18          | DMEK: Spilling the Tea | Preeya K. Gupta, MD
|                |                   | W Barry Lee, MD |
| RT-19          | Keratoconus and Crosslinking | Kenneth A. Beckman, MD
|                |                   | Kathryn M. Hatch, MD |
| RT-20          | Minimally Invasive Glaucma Surgery | David Crandall, MD
|                |                   | Robert J. Noecker, MD |
| RT-21          | Minimally Invasive Glaucma Surgery
|                | Tube Shunts; Glaucma Lasers | Thomas Patrianakos, DO
|                |                   | Nathan M. Radcliffe, MD |
| RT-22          | Cataract and Glaucma | Paul J. Harasimowycz, MD
|                |                   | Jody Piltz-Seymour, MD |
| RT-23          | Retina Considerations for the Anterior Segment Surgeon | Steve Charles, MD
|                |                   | Christina Y. Weng, MD, MBA |
| RT-24          | International Ophthalmology | Susan M. MacDonald, MD
|                |                   | Leela Raju, MD |
| RT-25          | ASCRS Advocacy Efforts: What We are Doing to Represent You and How You Can Get Involved | James A. Bryan, III, MD
|                |                   | Frank R. Burns, MD |
| RT-26          | Young Physicians: Understanding the Importance of Advocacy | Mona A. Kaleem, MD
|                |                   | Majid “Amir” Moarefi, MD |
OPENING GENERAL SESSION

SATURDAY, MAY 16
10:00 a.m. – 12:00 p.m.

ASCRS PROGRAM CHAIR
Edward J. Holland, MD

INCOMING ASCRS PRESIDENT
Terry Kim, MD

MOTIVATIONAL ADDRESS
Coach Mike Krzyzewski, Duke Blue Devils

ASCRS HALL OF FAME CEREMONY

The ASCRS Ophthalmology Hall of Fame was created by ASCRS to honor ophthalmic pioneers whose contributions to the profession have shaped the way modern ophthalmology is practiced today.

Tadeusz K. Krwawicz, MD, PhD (1910-1988) and Jerry A. Shields, MD

PRESENTATION OF THE INAUGURAL ASCRS EDUCATOR AWARD

The ASCRS Educator Award honors an ASCRS member who has made education an enduring career priority.

Thomas Oetting, MD, MS

ASCRS BINKHORST LECTURE

We Can Prevent Blindness in Glaucoma—Why Don’t We?

The Binkhorst Lecture and medal were established in 1975 in honor of intraocular lens (IOL) pioneer Cornelius D. Binkhorst, MD (1912-1995).

Richard Lewis, MD

PRESENTATION OF THE CHANG HUMANITARIAN AWARD

Endowed by a generous gift from David & Victoria Chang, the ASCRS Foundation Chang Humanitarian Award recognizes outstanding humanitarian work in the area of cataract blindness.

Lowell A. Gess, MD

ASCRS HONORED GUESTS

The David A. Karcher Honored Guest Award honors luminaries who have invested in a lifetime of service to ASCRS.

Stephen Brint, MD and Peter Laibson, MD
10:00–11:30 a.m.

**SYMPOSIA**

**RETINA**

**SYM-101 Intravitreal Injection Essentials for the Anterior Segment Surgeon**

*Sponsored by the ASCRS Retina Clinical Committee*

**Moderator:** Steve Charles, MD

**CATARACT**

**STL-3 Capsular Stabilization Techniques**

**Instructor:** Naveen K. Rao, MD

**Co-Instructors:** Amal M. Alwreikat, MD; Amer Alwreikat, MD; Sergio F. Canabrava, MD; Lorenzo J. Cervantes, MD; Winston D. Chamberlain, MD, PhD; Vincent C. Fan, MD, MBA; Soosan Jacob, MS, DNB, FRCS; Ellen H. Koo, MD; Kamden Kopani, MD; David Liang, MD; Shaohui Liu, MD, PhD; Sankara Mahesh, MD; Melina I. Morkin, MD; Kamran M. Riaz, MD; Aubrey R. Tirpack, MD; Aaron N. Waite, MD; Astrid Werner, MD; David Zadok, MD
### SYMPOSIA

#### RETINA

**SYM-102  Management of Vitreoretinal Complications of Anterior Segment Surgery**

*Sponsored by the ASCRS Retina Clinical Committee*

- **Moderator:** Steve Charles, MD

#### CATARACT

**SYM-103  Challenging Cases in Cataract Surgery Video Symposium**

*Sponsored by the ASCRS Cataract Clinical Committee*

- **Moderator:** Kevin M. Miller, MD

**SYM-104  Complications by Proxy**

*Sponsored by the ASCRS Young Eye Surgeons (YES) Clinical Committee*

- **Moderator:** Sumit “Sam” Garg

### INSTRUCTIONAL COURSES

#### CATARACT

**IC-109  Learning from Our Mistakes XI: International Video Symposium (Presented in Spanish)**

*Sponsored by the Latin American Society of Cataract and Refractive Surgery (ALACCSA-R/LASCRS)*

- **Instructor:** Guadalupe Cervantes-Coste, MD
- **Co-Instructors:** Arnaldo Espaillat, MD; Claudio Orlich, MD; Fernando L. Soler-Ferrandez, MD; Ernesto J. Otero, MD; Oscar S. Asís, MD; Filomena J. Ribeiro, MD; Pablo J. Suarez, MD; Juan G. Ortega, MD; Gerardo C. Valvecchia, MD; Ike K. Ahmed, MD; Robert H. Osher, MD

**IC-110  SMILE: A Paradigm Understanding**

- **Instructor:** Chitra R. Ramamurthy, MD
- **Co-Instructors:** Rohit Shetty, FRCS; Shreyas Ramamurthy, MD; Ramamurthy Dandapani, MD; Sri Ganesh, MS; Mahipal S. Sachdev, MD

**IC-111  Trifocal IOLs: Planning for Success and Dealing with Failure**

- **Instructor:** Michael Goggin, FRANZCO, FRCOphth
- **Co-Instructors:** Ben R. LaHood, FRANZCO, BM BCh; Damien Gatinel, MD, PhD
### ASCRS ANNUAL MEETING PREVIEW

**ASCRS PROGRAM**

**SATURDAY, MAY 16**

#### 1:00 - 2:30 p.m.

### INSTRUCTIONAL COURSES

<table>
<thead>
<tr>
<th>CORNEA</th>
<th>CATARACT</th>
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<tbody>
<tr>
<td><strong>IC-112 Streamlining Crosslinking into Practice</strong></td>
<td><strong>IC-113 Conquering Iris Repair from Suturing-to-Artificial Iris</strong></td>
<td><strong>IC-114 Descemet Membrane Endothelial Keratoplasty: Simplified Technique to Shorten the Learning Curve and Avoid Complications</strong></td>
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<tr>
<td><strong>NEW</strong></td>
<td><strong>NEW</strong></td>
<td><strong>Instructor:</strong> Mark A. Terry, MD</td>
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<tr>
<td><strong>Instructors:</strong> Sudha Sudesh, FRCOphth, MBBS; Naveen S. Chandra, MD</td>
<td><strong>Instructor:</strong> Yoshihiro Tokuda, MD</td>
<td><strong>Co-Instructors:</strong> Michael D. Straiko, MD; Paul M. Phillips, MD; Christopher S. Sales, MD; MPH</td>
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<tr>
<td><strong>Co-Instructors:</strong> Isabella T. Phan, MD; Michael Clamp, MD; Elaine Wu, MD; Kenneth C. Ip, MD</td>
<td><strong>Co-Instructors:</strong> Maria S. Romero, MD; Priya S. Narang, MD; Tsukasa Hanemoto, MD, PhD</td>
<td><strong>Co-Instructors:</strong> Maria S. Romero, MD; Edward J. Holland, MD; Enrica Sarnicola, MD; Caterina Sarnicola, MD</td>
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<tr>
<td><strong>IC-115 Deep Anterior Lamellar Keratoplasty: From Basic-to-Advanced</strong></td>
<td><strong>IC-116 Boston Keratoprosthesis in the Management of Severe Ocular Surface Disease: Pearls and Pitfalls</strong></td>
</tr>
<tr>
<td><strong>Instructor:</strong> Vincenzo Sarnicola, MD</td>
<td><strong>Instructor:</strong> Jose M. Vargas Sr., MD</td>
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<tr>
<td><strong>Co-Instructors:</strong> Rajesh Fogla, MD, FRCS; Sadeer B. Hannush, MD; Edward J. Holland, MD; Enrica Sarnicola, MD; Caterina Sarnicola, MD</td>
<td><strong>Co-Instructors:</strong> Anthony J. Aldave, MD; Roberto Piñeda, MD; Geetha K. Iyer, FRCS; Jose de la Cruz, MD, MSc</td>
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### PAPER SESSIONS

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<tr>
<th>CORNEA</th>
<th>PRESBYOPIA</th>
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<tr>
<td><strong>SPS-106 Keratoconus: Measurements, Treatments, New Technology</strong></td>
<td><strong>SPS-107 Presbyopia Correction</strong></td>
<td><strong>SPS-108 Trifocal IOLs</strong></td>
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<tr>
<td><strong>Presenters:</strong> Pavitra K. Patel, MS</td>
<td><strong>Presenters:</strong> Karsten Klabe, MD</td>
<td><strong>Presenters:</strong> Sheri L. Rowen, M</td>
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<tr>
<td>Gairik Kundu, MD</td>
<td><strong>Christoph F. Kranemann, MD</strong></td>
<td>**Ashley R. Brissette, MD, MSc, FRCSC</td>
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<tr>
<td>Aishwarya Chhabra, MS</td>
<td><strong>Mitchell A. Jackson, MD</strong></td>
<td><strong>Robert Edward T. Ang, MD</strong></td>
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<td>Nir Sorkin, MD</td>
<td><strong>Larissa Gouvea, MD</strong></td>
<td><strong>John A. Hovanesian, MD</strong></td>
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<tr>
<td>Gustavo A. Hernandez Sahagun, MD</td>
<td><strong>Olga Rozanova, MD, PhD</strong></td>
<td><strong>John F. Blaylock, MD</strong></td>
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<tr>
<td>Raphael C. Penatti, MD</td>
<td><strong>Gerd U. Auffarth, MD, PhD</strong></td>
<td><strong>Bret L. Fisher, MD</strong></td>
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<tr>
<td>Louise Esportatte, MD</td>
<td><strong>Bojan Pajic, MD</strong></td>
<td><strong>Dagny Zhu, MD</strong></td>
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<td>Elias F. Jarade, MD</td>
<td><strong>David L. Wirta, MD</strong></td>
<td><strong>Matteo Piovella, MD</strong></td>
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<tr>
<td>César C. Carriazo, MD</td>
<td><strong>L. Felipe Vejarano, MD</strong></td>
<td><strong>Gabriel Quesada, MD</strong></td>
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<tr>
<td>Isabel Dapena, MD, PhD</td>
<td><strong>John P. Berdahl, MD</strong></td>
<td><strong>Gabriel Kozomara, MD</strong></td>
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<tr>
<td>J. Bradley Randleman, MD</td>
<td><strong>Gyule Han, MD</strong></td>
<td><strong>Marta Romero, MD</strong></td>
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<tr>
<td>Alina Cantemir, PhD</td>
<td><strong>Michal Blau- Most, MD</strong></td>
<td><strong>Arjan Hura, MD</strong></td>
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<td>Sean J. McCafferty, MD</td>
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<tr>
<td>Hormoz Abdshahzadeh Sr., MD</td>
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<td>Jing Li, MD</td>
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<tr>
<td>Bala Ambati, MD</td>
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1:00 - 2:30 p.m.

PAPER SESSIONS

KERATOREFRACTIVE

**SPS-109 Keratorefractive Complications**

**Presenters:**
Faisal D. Aldahash, MD
Yishay Weill, MD
Pedro I. Navarro, MD, MSc
Mukhtar Bizrah, MD
Naren Shetty, MD
Oleg Kostin, MD
Ji Bai, MD, CAE
Wentao Liu, MD, OD
Sheetal Brar, MD
Azher Q. Aldouri, FRCS, DNB
Fiorella Casanova, MD
Kangjun Li, MD
Loreto R. Triviño, MD
David Teenan, FRCOphth, FRCSEd
Sheetal Brar, MD

**SPS-110 Post Refractive Surgery IOL Calculations**

**Presenters:**
Suzan Abouzeid, FRCS, MS
V. Nicholas N. Batra, MD
Chad M. Serels
Allison J. Chen, MD
Colin E. Brown, MD
Kareem Sioufi, MD
Neeraj S. Chawla
William F. Wiley, MD
Ana Laura C. Canedo, MD
James D. Lehmann, MD
Sathish Srinivasan, FRCSEd, FRCOphth
Frank A. Bucci Jr., MD
Roger Zaldivar, MD
Jan A. Venter, MD
Meisha Raven, DO
Li Wang, MD, PhD

SKILLS TRANSFER & PHYSICIAN LEARNING LABS*

**STL-5 Advanced Phaco**

**Instructor:** Jason J. Jones, MD

**Co-Instructors:** Eric C. Amesbury, MD; Terrence J. Doherty, MD; Eric L. Fry, MD; Kourtney H. Houser, MD; A. Tim Johnson, MD, PhD; Douglas A. Katsev, MD; John S. Kung, MD; Phillips Kirk Labor, MD; James C. Loden, MD; John Odette, MD; Priyanka Sood, MD; Arthur J. Weinstein, MD; Shannon M. Wong, MD

**STL-6 Secondary IOL Implantation**

**Instructor:** George H. Beiko, BM BCh, FRCS

**Co-Instructors:** Amar Agarwal, MS, FRCS, FRCOphth; Ashvin Agarwal, MD; Athiya Agarwal, MD; Ehud I. Assia, MD; Sergio F. Canabrava, MD; Soon-Phaik Chee, FRCSEd, FRCOphth; John C. Hart Jr., MD; Soosan Jacob, MS, DNB, FRCS; D. Brian Kim, MD; Bo Li, MD, FRCSC; Yuri McKee, MD; Rohit Om Parkash, MS; Vladimir Pfeifer, MD; Gabor B. Scharioth, MD, PhD; Joshua C. Teichman, MD, MPH

**PLL-2 Intraoperative Guidance Systems**

**Instructor:** Gerald J. Roper, MD
3:00–4:30 p.m.

**SYMPOSIA**

<table>
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<tr>
<th>CATARACT</th>
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<tr>
<td><strong>SYM-105</strong> Getting You Better IOL Refractive Outcomes - Hearing from Us and You Special Time 3:00–4:45 p.m.</td>
<td><strong>SYM-106</strong> The Cuts are Coming... The Cuts are Coming... INNOVATE! Sponsored by the ASCRS EyeConnect Committee</td>
<td><strong>SYM-107</strong> Glaucoma Essentials Sponsored by the ASCRS Glaucoma Clinical Committee</td>
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<tr>
<td>New</td>
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<tr>
<td><strong>Instructor:</strong> Richard B. Packard, MD, FRCS</td>
<td><strong>Instructor:</strong> Michael Posner, MD</td>
<td><strong>Moderators:</strong> Michael F. Oats, MD; Amy D Zhang, MD; Jody Piltz-Seymour, MD</td>
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<tr>
<td><strong>SYM-108</strong> Management of Complicated Cases in Cataract and Refractive Surgery (Presented in Spanish) Special Time 3:00–5:00 p.m. Co-Sponsored by ASCRS and ALACCMA-R (LASCRS)</td>
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<td><strong>Moderators:</strong> César C. Carriazo, MD; Maria Jose Cosentino, MD; William C. De La Pena, MD; Carlos L. Nicoli, MD</td>
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**INSTRUCTIONAL COURSES**

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<th>CATARACT</th>
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<th>KERATOREFRACTIVE</th>
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<tr>
<td><strong>IC-117</strong> Overcoming Challenges and Pitfalls in Mature to Complex Cataracts: Video-Based Course</td>
<td><strong>IC-118</strong> Challenging the Challenge: Subluxated IOLs and Bag Complexes, What’s Next New</td>
<td><strong>IC-119</strong> LASIK and SMILE Emergencies: A Breathless Video Bonanza</td>
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<tr>
<td><strong>Instructor:</strong> Ashvin Agarwal, MD</td>
<td><strong>Instructor:</strong> Kumar J. Doctor, MD</td>
<td><strong>Instructor:</strong> Samir A. Melki, MD, PhD</td>
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<tr>
<td><strong>Co-Instructors:</strong> Brandon D. Ayres, MD; Jason J. Jones, MD; Tal Raviv, MD; Elizabeth Yeu, MD; Mitchell P. Weikert, MD</td>
<td><strong>Co-Instructors:</strong> Soon-Phaik Chee, FRCOphth, FRCS(Ed); Ike K. Ahmed, MD, FRCS; Sri Ganesh, MS; Amar Agarwal, MS, FRCS, FRCOphth; Gaurav Luthra, MS</td>
<td><strong>Co-Instructors:</strong> Jason E. Brenner, MD; Matthew J. Boyle, MS; Soosan Jacob, MS, DNB, FRCS; Sara King-Sella, MD</td>
</tr>
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</table>
3:00–4:30 p.m.

INSTRUCTIONAL COURSES

**CATARACT**

- **IC-120** Phaco Prechop  
  **Instructor:** Takayuki Akahoshi, MD  
  **Co-Instructors:** Ronald Yeoh, MD; Takashi W. Hida, MD, PhD; Nikolle Tan, MBBS, MRCSEd, FRCSEd; William F. Wiley, MD

- **IC-123** Introduction to Small-Incision Cataract Surgery for the Phaco Surgeon  
  **Instructor:** John D. Welling, MD  
  **Co-Instructor:** Jeff Pettey, MD

**CORNEA**

- **IC-121** Fuchs Endothelial Dystrophy—New Concepts about Pathophysiology and Treatment: DSEK, DMEK, or DSO  
  **NEW**  
  **Instructor:** Caterina Sarnicola, MD  
  **Co-Instructors:** Kathryn Colby, MD, PhD; Marian S. Macsai, MD; Rajesh Fogla, MD, FRCS; Enrica Sarnicola, MD; Vincenzo Sarnicola, MD

**CATARACT**

- **IC-122** The Real World ASCRS Style: How to Effectively Incorporate New Technologies into a Busy Medical and Surgical Practice  
  **NEW**  
  **Instructor:** Lisa M. Nijm, MD, JD  
  **Co-Instructors:** Mitchell A. Jackson, MD; Laura M. Periman, MD; Daniel H. Chang, MD; Zaina Al-Mohtaseb, MD; Cynthia Matossian, MD
### 3:00–4:30 p.m.

#### PAPER SESSIONS

<table>
<thead>
<tr>
<th>Cataract Session</th>
<th>Presenters</th>
</tr>
</thead>
</table>
| **SPS-111 Cataract Surgery Medications** | Robert J. Weinstock, MD  
Eric D. Donnenfeld, MD  
Cathleen M. McCabe, MD  
Francis S. Mah, MD  
Sumitra S. Khandelwal, MD  
Jonathan H. Lass, MD  
Tracy W. Krick, MD  
Caroline W. Wilson, MD  
Scott E. LaBorwit, MD  
Sidra Zafar, MBBS  
Denise M. Visco, MD, MBA  
Ryan Shojaei  
Steven M. Silverstein, MD  
Steve A. Arshinoff, MD, FRCSC  
Christopher E. Starr, MD  
Irina S. Barequet, MD |
| **SPS-112 Cataract Surgery Techniques** | Lin Yao Sr., PhD  
Tushya Om Parkash, MS  
Pankaj Sharma, MD  
Jacob T. Harris  
Rajendra Prasad, MBBS  
Steve Dewey, MD  
Jeewan S. Titiyal, MD  
Dr. Ratch Ch Paun Sr., MS, DOMS, MBBS  
Rupam Desai, MD  
Anil Solanki, MS  
Karthik Srinivasan, MD  
Sanyam Bajimaya, MBBS, MD  
Huck A. Holz, MD  
Saba Samet, MD  
Shakeen S Singh, MS |
| **SPS-113 Cataract Surgery Challenging Cases** | Amal m Awreikat, MD  
Matthew T. Feng, MD  
Naveen K. Rao, MD  
Sri Ganesh, MS  
Sergio F. Canabrava, MD  
Mohammad Soleimani, MD  
Rohit om Parkash, MS  
Sudha K. Ganesh, MD  
Zinaida Kataeva, MD  
Haripriya Aravind, MD  
Priya S. Narang, MD  
Shani Levy-Neuman, MD  
Rohit om Parkash, MS  
Keli Matheos, MD  
Didar S. Anwar, MD  
Clemence Bonnet, MD |
## PAPER SESSIONS

### KERATOREFRACTIVE

**SPS-114 Keratorefractive Surgical Planning**  
**Presenters:**  
Hannuy Choi, MD  
Dana Barequet, MD, MHA  
David Smadja, MD  
Joseph H. Toma, MS  
Seongjun Lee, MD  
Ana Laura C. Canedo, MD  
Marcyon R. Santiago, MD, PhD  
Tom S. Tooma, MD  
Gildasio C. Almeida Jr., MD  
Rohan Mehra, MBBS, MS  
Arun C. Gulani, MD  
Shreyas Ramamurthy, MD  
Karan Bhatia, DOMS, DNB  
Takanori Suzuki, MD  
Cassandra C. Brooks, MD  
Jia Liu, MM

**SPS-115 Refractive Procedure Comparisons: PRK, LASIK**  
**Presenters:**  
Laila c Silveira, MD  
Ritika Dalal, MBBS, DNB  
Osamu Hieda, MD  
Costas Karabatsas, MD  
Zhang Jun, MD  
James C. Loden, MD  
Ying Lin, MD  
Blake K. Williamson, MD  
Ella G. Faktorovich, MD  
Hung-Yuan B. Lin, MD  
Lu Xiong, MD  
Doyle Stulting, MD, PhD  
David A. Price  
A. John Kanellopoulos, MD  
Ermano M. Alves, MD  
Pamela B. Ribeiro

### SKILLS TRANSFER & PHYSICIAN LEARNING LABS*

#### CATARACT

**STL-7 Phaco Skills in the Round**  
**Instructor:** Yousuf Khalifa, MD  
**Co-Instructors:** Maria E. Aaron, MD; Mohamed Abou Shousha, MD; Soroosh Behshad, MD, MPH; Sherleen Chen, MD; Cynthia S. Chiu, MD; David A. Crandall, MD; Derek W. DelMonte, MD; Cristos Ifantides, MD, MBA; Jeremy K. Jones, MD; Francisco Maie, MD; Majid Moshirfar, MD; Jacquelyn O’Banion, MD; Roberto Piñeda, MD; Ashok Rangarajan, MS, DNB, FRCS; Shameema Sikder, MD; Praneetha Thulasi, MD; Linda Tsai, MD

**STL-8 Iris Protheses**  
**Instructor:** Michael E. Snyder, MD  
**Co-Instructors:** Kashif Baig, MD, MBA; Alan S. Crandall, MD; Georges M. Durr, FRCS, MD; Nicole R. Fram, MD; M. Bowes Hamill, MD; Stephen Hamilton, MD; David R. Hardten, MD; Richard S. Hoffman, MD; Simon P. Holland, MD, FRCS; Boris E. Malyugin, MD, PhD; Samuel Masket, MD; Kevin M. Miller, MD; Mauricio A. Perez, MD; Kenneth J. Rosenthal, MD; Sathish Srinivasan, FRCSed, FRCOphth; Devesh K. Varma, FRCS, MD
## ASCRS PROGRAM

### SUNDAY, MAY 17

### 8:00–9:30 a.m.

### SYMPOSIA

#### CATARACT

**SYM-201** Surgical Essentials: Getting You out of Trouble in Cataract Surgery
_A Combined Symposium of Cataract and Refractive Societies: ASCRS, APACRS, ESCR, ALACCSA-R/LASCRS_

**ESSENTIALS**

- **Moderators:** Edward J. Holland, MD; Rudy M. Nuijts, MD, PhD; William C. De La Peña, MD; Graham D. Barrett, FRANZCO

#### CORNEA

**SYM-202** Cornea Essentials
_Sponsored by the ASCRS Cornea Clinical Committee_

**ESSENTIALS**

- **Moderator:** Francis S. Mah, MD

#### CATARACT

**SYM-203** Debates and Controversies for the Young Ophthalmologist: How Will You Shape Your Practice?
_Co-Sponsored by ASCRS and the Vanguard Ophthalmology Society_

**NEW**

- **Moderators:** Daniel H. Chang, MD; Nicole R. Fram, MD

### INSTRUCTIONAL COURSES

#### CATARACT

**IC-201** Best Practices for IOL Power Selection in 2020

- **Instructor:** Li Wang, MD, PhD
- **Co-Instructors:** Warren E. Hill, MD; Adi Abulafia, MD; Helga P. Sandoval, MD, MSc; Robin R. Vann, MD

**IC-202** Mastering the Posterior Capsule: Thinking-Out-of-the-Bag Paradigm Shift

**NEW**

- **Instructor:** Lisa B. Arbisser, MD
- **Co-Instructors:** Abhay R. Vasavada, MS, FRCS; H. Burkhard Dick, MD, PhD; Cathleen M. McCabe, MD; Thomas A. Oetting, MD; Alan S. Crandall, MD

**IC-203** Learning the Hard Way: Lessons from Claims Data

**NEW**

- **Instructor:** Michelle S. Ying, MD
- **Co-Instructor:** Linda D. Harrison, PhD

#### GLAUCOMA

**IC-204** Bringing the Glaucoma Revolution to Your Office

**NEW**

- **Instructor:** Jacob W. Brubaker, MD
- **Co-Instructors:** Amy D. Zhang, MD; Manjool Shah, MD; Larissa Camejo, MD

#### CATARACT

**IC-205** Stage It or Combine It: Approaches to Cataract and Lens-Based Surgery in Complex Eyes

**NEW**

- **Instructor:** Kourtney H. Houser, MD
- **Co-Instructors:** Sumitra S. Khandelwal, MD; Jason R. Mayer, MD; Steve Charles, MD

#### CATARACT

**IC-206** The Future of Global Ophthalmology: Perspectives on International Missions and the Role of the US Surgeon

- **Instructor:** Lisa Park, MD
- **Co-Instructors:** Haripriya Aravind, MD; Geoffrey C. Tabin, MD; Susan M. MacDonald, MD; Stanley Fletcher, MD; Barbara C. Erny, MD; Scott Lawrence, MD
8:00–9:30 a.m.

INSTRUCTIONAL COURSES

### CORNEA

**IC-207 Pediatric Corneal Conditions: Challenges and Pitfalls**

**Instructor:** Bhaskar Srinivasan, MBBS, DNB, MS

**Co-Instructors:** Geetha Iyer, FRCSEd, FRCOphth; Namrata Sharma, MD; Guillermo Amescua, MD; Rajesh Fogla, MD, FRC

**NEW**

### CATARACT

**IC-208 Iris-Suturing Techniques**

**Instructor:** Steven B. Siepser, MD

**Co-Instructors:** Gregory SH Ogawa, MD; Michael E. Snyder, MD; Zaina Al-Mohtaseb, MD; Ike K. Ahmed, MD

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PAPER SESSIONS

### CORNEA

**SPS-201 Ocular Surface Treatments: DED, MGD, Other Diagnoses**

**Presenters:**
- David Zadok, MD
- Byung Yi Ko, MD, PhD
- Jennifer M. Loh, MD
- Hamidreza Hasani, MD, MSc
- Maria Laura Gomez, MD
- Tuhin Chowdhury, MS, DO
- Samer Hamada, FRCOphth, FRCSed, MSc, MD
- Alanna S. Nattis, DO
- Odetta A. Guzman, MD
- Amar P. Shah, MD, MBA
- Tripp Harwell
- Sertaç Argun Kvanç, MRCSEd
- Michelle K. Rhee, MD

### PRESBYOPIA

**SPS-202 Presbyopia-correcting IOLs**

**Presenters:**
- Chul Young Choi, PhD, MD
- Tae-Young Chung, MD, PhD
- W. Andrew Maxwell, MD, PhD
- Shamik Bafna, MD
- Anitra Breyer-Pacurar, MD
- Helga P. Sandoval, MD, MSc
- Clayton G Biehm, MD
- Jae Yong Kim, MD, PhD
- Detlev R. Breyer, MD
- Hungwon Tchah, PhD
- Robert J. Weinstock, MD
- Kathleen J. Jee, MD
- John F. Doane, MD
- Arturo S. Chayet, MD
- Harvey S. Uy, MD

---

### CATARACT

**SPS-203 Intraoperative Aberrometry, Toric Marking and Alignment**

**Presenters:**
- John Davidson, MD
- Jaswant S. Thind, MS
- Christopher P Long
- Bonnie An Henderson, MD
- Kerrie Meades, FRANZCO, MBBS
- Ana Cristina Carvalho, MD
- Jingyi Ma
- Laura Capitian, MD
- Claudia M. Francesconi, PhD
- Michael D. Greenwood, MD
- Ritika Mukhija, MD
- Ekkehard Fabian, MD
- Raphael C. Penatti, MD
- Sheetal Brar, MD
- Mayuresh P. Naik, MS, DNB
- Zhe Zhang, MD, PhD
8:00–9:30 a.m.

**PAPER SESSIONS**

### Cataract

**SPS-204  Preoperative Tests and IOL Calculations**

*Presenters:*
- Emilia Carolina C Rodriguez, MD
- Namrata Bhuta, MS
- Mark K. Lukewich, PhD
- James A. Katz, MD
- David R. Griffin, MD
- Fernando Aguilera-Zarate Sr., MD
- Maria S. Romero, MD
- Yishay Weill, MD
- Isis D. Valverde, MD
- Rui Wang, PhD
- Tan Long, PhD, MD
- Ariana M. Levin, MD
- Elaine M. Tran
- Daniel C. Terveen, MD
- Rushad C. Shroff, MD
- Karl G. Stonecipher, MD

### Keratorefractive

**SPS-205  Refractive Procedures: PRK, LASIK, SMILE, Phakic IOLs/Inlays/Rings**

*Presenters:*
- Damien Gatinel, MD, PhD
- Swapna Nair, FRCS
- Gabriel S. Valerio, MD
- Mukhtar Bizrah, MD
- Emilio A. Torres Netto, MD
- Shail A. Vasavada, DNB, FRCS
- Yuexi Y. Chen, BSN
- Arthur B. Cummings, MD
- Lauren M. Wasser, MD
- Ying Lin, MD
- Marcony R. Santhiago, MD, PhD
- Luis Izquierdo, MD, PhD
- Mitsutoshi Ito, MD, PhD
- Marwan Ghabra, FRCSed
- Naren Shetty, MD
- Frank A. Bucci Jr., MD

---

**SKILLS TRANSFER & PHYSICIAN LEARNING LABS**

### Cataract

**STL-9  ECCE/SICS**

*Instructor:* Jeff Pettey, MD

*Co-Instructors:*
- Samar K. Basak, FRCS, MD
- Arup Bhaumik, MS
- John L. Clements, MD
- David D. Markoff, MD
- Minu M. Mathen, MD
- Jacquelyn O’Banion, MD
- Lional Raj
- Daniel Raj Ponniah, MD
- Russell Swan, MD
- Vaishali Vasavada, MD

**STL-10  Secondary IOL Implantation**

*Instructor:* George H. Beiko, BM BCh, FRCS

*Co-Instructors:*
- Ashvin Agarwal, MD
- Athiya Agarwal, MD
- Ehdud I. Assia, MD
- Sergio E. Canabrava, MD
- Roger C. Furlong, MD
- John C. Hart, Jr., MD
- Richard S. Hoffman, MD
- Soosan Jacob, MS, DNB, FRCS
- Bo Li, MD, FRCS
- Yuri McKee, MD
- Priya S. Narang, MD
- Rohit Om Parkash, MBBS, MS
- Vladimir Pfeifer, MD
- Gabor B. Scharioth, MD, PhD
- Joshua C. Teichman, MD, MPH
- Mitchell P. Weikert, MD
- Shin Yamane, MD, PhD

**PLL-4  Biometry and IOL Calculations**

*Instructor:* Rhonda G. Waldron, MSc, COMT, ROUB, CRA

**PLL-3  Intraoperative OCT**

*Instructor:* Julie Schallhorn, MD

*Co-Instructors:*
- Matthew T. Feng, MD
- Charles C. Lin, MD
SUNDAY GENERAL SESSION

SUNDAY, MAY 17
10:00 a.m. – 12:00 p.m.

PART 1: SCOTT GOTTLIEB, MD, FORMER COMMISSIONER OF THE U.S. FOOD AND DRUG ADMINISTRATION

Moderator:
Edward J. Holland, MD

Panelists:
Natalie A. Afshari, MD
John Berdahl, MD
Malik Y. Kahook, MD
Richard L. Lindstrom, MD

PART 2: ASCRS’ THE VOICE OF OPHTHALMOLOGY

SEASON 3

Season 3 of The Voice will showcase controversies in anterior segment surgery presented by contestants and debated by a panel of experts.

Host:
Edward J. Holland, MD

Coaches:
John Berdahl, MD
Terry Kim, MD
Nathan Radcliffe, MD
Elizabeth Yeu, MD

Panelists:
Marjan Farid, MD
Sumit (Sam) Garg, MD
Preeya Gupta, MD
Vance Thompson, MD
### SYMPOSIA

#### GOVERNMENT RELATIONS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYM-204</td>
<td>Inside the Circus featuring Mark McKinnon</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Sponsored by the ASCRS Government Relations Committee</td>
</tr>
<tr>
<td>NEW</td>
<td>Moderator: Parag D. Parekh, MD, MPA</td>
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#### CATARACT

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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>SYM-205</td>
<td>How to Hit a Home Run in Refractive Cataract Surgery</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Sponsored by the ASCRS Refractive Surgery Clinical Committee</td>
</tr>
<tr>
<td>ESSENTIALS</td>
<td>NEW</td>
<td>Moderators: Daniel H. Chang, MD; Vance M. Thompson, MD</td>
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#### GLAUCOMA

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<tr>
<th>Course</th>
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<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>SYM-206</td>
<td>Boston MIGS Party: Gettin’ MIGS’y With It</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Sponsored by the ASCRS Glaucoma Clinical Committee</td>
</tr>
<tr>
<td>NEW</td>
<td>Moderators: Jacob W. Brubaker, MD; Davinder S. Grover, MD, MPH</td>
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### INSTRUCTIONAL COURSES

#### CATARACT

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<th>Course</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>IC-209</td>
<td>The Perfect Save: Challenging Cases Managed by IIIC International Experts</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Sponsored by the International Intra-Ocular Implant Club (IIIC)</td>
</tr>
<tr>
<td>Instructor: Eric D. Donnenfeld, MD</td>
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<tbody>
<tr>
<td>IC-210</td>
<td>Customizing Cataract Surgery with Emerging Femtosecond Laser-Assisted Cataract Surgery Techniques</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>NEW</td>
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<tr>
<td>Instructor: Scott E. LaBorwit, MD</td>
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<tr>
<td>Co-Instructors: Kendall E. Donaldson, MD; William B. Trattler, MD; Jose de la Cruz, MD, MSc; Karl G. Stonecipher, MD</td>
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<th>Speaker(s)</th>
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<tr>
<td>IC-212</td>
<td>International Video Symposium of Challenging Cases and Complication Management</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Instructor: Robert H. Osher, MD</td>
</tr>
<tr>
<td>Co-Instructors: Amar Agarwal, MS, FRCS, FRCOphth; Ehud I. Assia, MD; Graham D. Barrett, FRANZCO; Guadalupe Cervantes-Coste, MD; Thomas Kohnen, MD, PhD; Virgilio Centurión, MD; Boris E. Malyugin, MD, PhD; Rudy M. Nuijts, MD, PhD; Fernando C. Trindade, MD, PhD; Ike K. Ahmed, MD, FRCSC; Abhay R. Vasavada, MS, FRCSC; Ronald Yeoh, MD</td>
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<tbody>
<tr>
<td>IC-213</td>
<td>Pearls and Pitfalls While Performing Intracocular Fixation of Intraocular Lens with the Yamane Technique</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
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<td>NEW</td>
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<tr>
<td>Instructor: Surendra Basti, MD</td>
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<tr>
<td>Co-Instructors: Sumit “Sam” Garg, MD; Nicole R. Fram, MD; Mitchell P. Weikert, MD</td>
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<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>IC-214</td>
<td>Minimally Invasive Glaucoma Surgery for the Comprehensive Ophthalmologist: Exploring Various Microstents and Devices</td>
<td>Sunday, May 17</td>
<td>1:00 – 2:30 p.m.</td>
<td></td>
<td>Instructor: Nir Shoham-Hazon, MD</td>
</tr>
<tr>
<td>Co-Instructors: Ike K. Ahmed, MD, FRCSC; Mark J. Gallardo, MD; Patrick Gooi, MD; Michael D. Greenwood, MD; Paul J. Harasymowycz, MD; Rahul T. Pandit, MD; Shakeel Shareef, MD; Blake K. Williamson, MD</td>
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1:00 – 2:30 p.m.

INSTRUCTIONAL COURSES

CATARACT

**IC-215  Cataract Surgery in Corneal Pathology**

**NEW**

*Sponsored by the Eye And Contact Lens Association, Inc. (ECLA/CLAO)*

**Instructor:** Vishal Jhanji, MD

**Co-Instructors:** Sanjay V. Patel, MD; Tushar Agarwal, MD; Wei Chen, MD, PhD; Hungwon Tchah, PhD; Namrata Sharma, MD; Naoyuki Maeda, MD, PhD

**IC-216  Hit Me with Your Best Shot: Global Guide to Managing Your Toughest Cataract Cases**

**NEW**

*Sponsored by Women In Ophthalmology (WIO)*

**Instructor:** Lisa M. Nijm, MD, JD

**Co-Instructors:** Boris E. Malyugin, MD, PhD; Cathleen M. McCabe, MD; Purnima S. Patel, MD; David H. Cherwek, MD; Neda Shamie, MD

PAPER SESSIONS

CORNEA

**SPS-206  Keratoconus: Treatment Comparisons and Outcomes**

**Presenters:**
- Michael Mimouni, MD
- Shady T. Awwad, MD
- Elias F. Jarade, MD
- Manoj V. Motwani, MD
- Ling Li, MD
- Pooja Khamar, MD
- Borja Salvador-Culla, MD
- Shreyas Ramamurthy, MD
- Tushya Om Parkash, MS
- Mithun Thulasidas, MD
- Steven A. Greenstein, MD
- Hamidreza Hasani, MD, MSc
- Mark Krauthammer, MD
- Shady T. Awwad, MD
- Maria A. Henriquez, PhD, MD

PRESBYOPIA

**SPS-207  Trifocal IOLs**

**Presenters:**
- Ruth Lapid-Gortzak, MD, PhD
- Filomena J. Ribeiro, MD
- Florian TA Kretz, MD
- Suvira Jain, FRCSEd
- Armen A. Ginoyan, MD
- Aanchal Gupta, MBBS, FRANZCO
- Armen A. Ginoyan, MD
- Aanchal Gupta, MBBS, FRANZCO
- Hui Liu, PhD, MD
- Sebastian Onnis, MD
- Carlos Palomino, MD, PhD, FEBO
- Guadalupe Cervantes-Coste, MD
- Clayton G. Blehm, MD
- Andrew C. Shatz, MD
- Denise Pinkus, MD
- Elizabeth Yeu, MD
- James Schwiegerling, PhD

CATARACT

**SPS-208  Cataract Surgery Complications**

**Presenters:**
- Lawrence Woodard, MD
- Roberto Gonzalez-Salinas, MD, PhD
- Lin Yao Sr., PhD
- Masayuki Ouchi, MD, PhD
- Karan Bhatia, DOMS, DNB
- Nadezhda A. Pozdeyeva, MD
- Rohit Om Parkash, MS
- Simon P. Holland, MD, FRCS
- Kareem A, Feraig Jr., FRCS
- Angela Y. Zhu, MD
- Abdelrahman M. Elhusseiny, MD
- Soifer A. Matias, MD
- Nicole R. Fram, MD
- Peter J. Cornell, MD
- Mujtaba A. Qazi, MD
- Jason Nguyen
1:00 – 2:30 p.m.

**PAPER SESSIONS**

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<thead>
<tr>
<th>CATARACT</th>
<th>KERATOREFRACTIVE</th>
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<tbody>
<tr>
<td>SPS-209  Pre-operative Testing and IOL Power Calculations</td>
<td>SPS-210  Refractive Procedure Comparisons: SMILE, LASIK, ICL</td>
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<tr>
<td><strong>Presenters:</strong></td>
<td><strong>Presenters:</strong></td>
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<tr>
<td>David A. Price</td>
<td>Mitra Nejad, MD</td>
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<td>Isis D. Valverde, MD</td>
<td>Edward E. Manche, MD</td>
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<td>Molly W. Orban, MD</td>
<td>Sri Ganesh, MS</td>
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<td>William B. Trattler, MD</td>
<td>Suphi Taneri, MD</td>
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<tr>
<td>Ramiro A. Almeida Jr., MD</td>
<td>Chunlei Liu, MD, PhD</td>
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<td>H. John H Shammas, MD</td>
<td>Arulmozhi Varman, MD</td>
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<tr>
<td>Yune Zhao, MD</td>
<td>Katia Ruiz-Montenegro Villa, MD</td>
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<td>Kenneth J. Hoffer, MD</td>
<td>Kangjun Li, MD</td>
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<td>Uri Elbaz, MD</td>
<td>John F. Doane, MD</td>
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<td>Cem Kesim, MD</td>
<td>Joana M. Amaral, MD</td>
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<td>Jagadess C. Reddy, MD</td>
<td>Mohamed Asif, MD</td>
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<td>Kendrick M. Wang</td>
<td>Bhupesh Singh, DO</td>
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<td>Wan Chen, MD, PhD</td>
<td>Bin Li</td>
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<td>Ramamurthy Dandapani, MD</td>
<td>Min Huang</td>
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<td>Nathalia T. Neves, MD</td>
<td>Wei Shengsheng, MD</td>
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<td>Qiong Lei, MD</td>
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**SKILLS TRANSFER & PHYSICIAN LEARNING LABS**

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<tr>
<th>CATARACT</th>
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<tbody>
<tr>
<td>STL-13  ECCE/SICS</td>
<td>STL-14  Iris Suture</td>
<td>PLL-5 Intraoperative OCT</td>
</tr>
<tr>
<td><strong>Instructor:</strong> John D. Welling, MD</td>
<td><strong>Instructor:</strong> Steven B. Siepser, MD</td>
<td>(1:00-3:00 p.m.)</td>
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<tr>
<td><strong>Co-Instructors:</strong> Allehone Ayalew, MD; Craig J. Chaya, MD; Pavan Kumar, DNB, DOMS; Matthew S. Oliva, MD; John T. Pajka, MD; Ashok Rangarajan, MS, DNB, FRCS; Samaresh Srivastava, MD; Shail A. Vasavada, DNB, FRCS</td>
<td><strong>Co-Instructors:</strong> Omar F. Almallah, MD; Anil Birdi, MD; Marjorie Carbonneau, MD; Agustin Carron, MD; David A. Crandall, MD; Neel R. Desai, MD; Samuel H. Lee, MD; Jack Parker, MD, PhD; Mauricio A. Perez, MD; Jose Ponce-Martinez, MD; Beeran Meghpara, MD; Jonathan D. Solomon, MD; Zeba A. Syed, MD; Jesse M. Vislisel, MD; Aaron N. Waite, MD</td>
<td><strong>Instructor:</strong> Charles C. Lin, MD</td>
</tr>
<tr>
<td>PLL-6  Biometry and IOL Calculations (1:00-3:00 p.m.)</td>
<td><strong>Instructor:</strong> Rhonda G. Waldron, MSc, COMT, ROUB, CRA</td>
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### SYMPOSIA

#### CATARACT

**SYM-207 You’re Great in the Aqueous Humor, but How Good Is Your Sense of Humor?**

*NEW*

**Moderator:** Robert H. Osher, MD

#### CATARACT

**SYM-208 Controversies in Anterior Segment Surgery**

*Sponsored by the Journal of Cataract and Refractive Surgery®*

**Moderators:** Nick Mamalis, MD; Sathish Srinivasan, FRCSEd, FRCOpth

#### CORNEA

**SYM-209 Challenges and Controversies in the Management of Anterior Segment Diseases**

*Co-Sponsored by the ASCRS and the Cornea Society*

**NEW**

**Moderators:** Kathryn Colby, MD, PhD; Sophie X. Deng, MD

#### OTHER

**SYM-210 The Winning Pitch Challenge (non-CME session)**

**Moderators:** Edward J. Holland, MD; Vance M. Thompson, MD

### INSTRUCTIONAL COURSES

#### CATARACT

**IC-217 Glued IOL and the Yamane Double-Needle Flange Technique: Intrascleral Haptic Fixation Methods—Video-Based Course**

**Instructor:** Ashar Agarwal, MBBS, MS, FRCS

**Co-Instructors:** Shin Yamane, MD, PhD; Amar Agarwal, FRCS; Yuri McKee, MD; Ashvin Agarwal, MD; Sumit “Sam” Garg, MD

**IC-218 Corneal Tomography for Cataract and Refractive Surgeons**

*NEW*

**Instructor:** David Huang, MD, PhD

**Co-Instructors:** Li Wang, MD, PhD; Renato Ambrósio, MD, PhD

**IC-219 Managing the Extreme Cataract: White and Black**

**Instructor:** Soon-Phaik Chee, FRCOphth, FRCSEd

**Co-Instructors:** Ronald Yeoh, MD; Seng-Ei Ti, FRCSEd
**3:00–4:30 p.m.**

## INSTRUCTIONAL COURSES

### Cataract

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
</tr>
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<tbody>
<tr>
<td>IC-220</td>
<td>Understanding Topography and Corneal Aberrations</td>
<td>Warren E. Hill, MD</td>
</tr>
<tr>
<td>IC-221</td>
<td>Comprehensive Strategy for Unplanned Vitrectomy Technique for Anterior Segment Surgeons</td>
<td>Steve Charles, MD; Lisa B. Arbisser, MD</td>
</tr>
<tr>
<td>IC-222</td>
<td>Mastering the Details of Active Fluidics Phaco</td>
<td>Kevin M. Miller, MD; David M. Lubeck, MD</td>
</tr>
<tr>
<td>IC-223</td>
<td>Outcomes Optimized: Phakic IOLs</td>
<td>Sonu Goel, MD; Jeewan S. Titiyal, MD; Vinod Arora, MS; Gaurav Luthra, MS</td>
</tr>
<tr>
<td>IC-224</td>
<td>Challenging Cases Symposium</td>
<td>Gustavo V. Baptista, MD; Emilio A. Torres Netto, MD; Ricardo M. Nose, MD; Sergio F. Canabrava, MD; Bruno V. Ventura, MD; PhD; Bruno C. Trindade, MD; PhD</td>
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### Keratorefractive

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<tr>
<td>SPS-211</td>
<td>Ocular Surface Diagnostics</td>
<td>Priscilla Vu, MD; Steven L. Carter, MD; Jack V. Greiner, MD; Sara King-Sella, MD; Hosik Hwang, MD; PhD; Youngchae Yoon, MD; Ryan G. Smith, MD; Omur O. Ucakhan, MD; Sezen Karakus, MD; Ramya Ravindran, MD; Clara C. Chan, MD, FRCS; Hon Shing Ong, MBBS, MSc, FRCOphth, FRCSed; Gairik Kundu, MD; Sonia Maheshwari, MS; Mohamed Abou Shousha, MD</td>
</tr>
<tr>
<td>SPS-212</td>
<td>Extended Depth of Focus and Extended Range of Vision IOLs</td>
<td>Gary J.L. Foster, MD; Mehnaz Sabah, MBBS; Kumar J. Doctor, MD; Rahul T. Pandit, MD; Julie Schallhorn, MD; Ramón Ruiz Mesa, MD; Jason J. Jones, MD; Leandro P. Mundim, MD; Paulo Eduardo S Miziara, MD; Helga P. Sandoval, MD; MSc; T. Hunter Newsom, MD; Cathleen M. McCabe, MD; Chandra Bala, MBBS, PhD, FRANZCO; Rohan Bowry, MS; Birendra Prasad Kashyap, MS</td>
</tr>
<tr>
<td>SPS-213</td>
<td>Presbyopia-correcting IOL Comparisons</td>
<td>Satish S. Modi, FRCS, MD; Richard Potvin, OD; Marius A Scheepsers, MRCOphth, FRCSC; Bharti Kashyap, MS; Shreyas Ramamurthy, MD; Bogdan G. Galan, MD; Dan B. Tran, MD; Mike P. Holzer, MD; Qianqian Lan, MS; Suvira Jain, FRCSed; W. Andrew Maxwell, MD, PhD; Jeffrey Horn, MD; Ramin Khoramnia, MD; Maira G. B. da Silva, MD</td>
</tr>
</tbody>
</table>

## Paper Sessions

### Cornea

**SPS-211 Ocular Surface Diagnostics**

**Presenters:**
- Priscilla Vu, MD, MD
- Steven L. Carter, MD
- Jack V. Greiner, MD
- Sara King-Sella, MD
- Hosik Hwang, MD, PhD
- Youngchae Yoon, MD
- Ryan G. Smith, MD
- Omur O. Ucakhan, MD
- Sezen Karakus, MD
- Ramya Ravindran, MD
- Clara C. Chan, MD, FRCS
- Hon Shing Ong, MBBS, MSc, FRCOphth, FRCSed
- Gairik Kundu, MD
- Sonia Maheshwari, MS
- Mohamed Abou Shousha, MD
3:00–4:30 p.m.

**PAPER SESSIONS**

### CATARACT

**SPS-214 Astigmatism Management, Toric IOL Alignment**

**Presenters:**
- Yong Wang, PhD
- Albert Hu, BEng
- Kamran M. Riaz, MD
- Douglas D. Koch, MD
- Rakesh K. Bansal, FRCS, MS
- Maria L. Adams, DO
- Denise M. Visco, MD, MBA
- Wendell Scott, MD
- Brent A. Kramer, MD
- Karsten Klabe, MD
- Fabio H. Casanova, MD, PhD
- Yuri McKee, MD
- Grzegorz Labuz, PhD
- John A. Vukich, MD
- Bruno C. Trindade, MD, PhD
- Priya S. Narang, MD

### KERATOREFRACTIVE

**SPS-215 Refractive Procedure Outcomes: PRK, LVC, LASIK**

**Presenters:**
- David T.C. Lin, MD, FRCS
- Ronald R. Krueger, MD, MSE
- Edward E. Manche, MD
- Mark C. Lobanoff, MD
- Ella G. Faktorovich, MD
- Mukhtar Bizrah, MD
- David Teenan, FRCOphth, FRCS Ed
- Michael Gordon, MD
- Manoj V. Motwani, MD
- Adelya N. Karimova, MD, PhD
- Gabriel S. Valerio, MD
- Ciara E. O’Byrne, MBBS
- Young-sik Yoo, MD, PhD
- Karl G. Stonecipher, MD
- Pravin K. Vaddavalli, MD
- David TC. Lin, MD, FRCS

### SKILLS TRANSFER & PHYSICIAN LEARNING LABS*

#### CATARACT

**STL-15 Surgical Management of Astigmatism**

**Instructor:** Jonathan B. Rubenstein, MD

**Co-Instructors:** Natalie A. Afshari, MD; Brock K. Bakewell, MD; Jonathan M. Davidorf, MD; Steven J. Dell, MD; Randy J. Epstein, MD; David R. Hardten, MD; Amy Lin, MD; Parag A. Majmudar, MD; David D. Markoff, MD; Charles H. Weber, MD; Zachary J. Zavodni, MD

**STL-16 Iris Suture**

**Instructor:** Nicole R. Fram, MD

**Co-Instructors:** Zaina Al-Mohtaseb, MD; Jessica B. Ciralsky, MD; Thomas M. Harvey, MD; Saba Al-Hashimi, MD; Kathryn M. Hatch, MD; Sumitra S. Khandelwal, MD; Jeremy Z. Kieval, MD; Bryan S. Lee, MD, JD; Samuel H. Lee, MD; Steven M. Naids, MD; Leela Raju, MD
### INSTRUCTIONAL COURSES

#### CATARACT

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>IC-225</td>
<td>Intraocular Lens Placement When Capsule Is Not Normal: Video-Based Course with Practical Advice on How to Assess, Plan, and Learn Advanced Techniques</td>
<td>Cathleen M. McCabe, MD&lt;br&gt;Co-Instructors: Lisa Arbisser; Nicole R. Fram, MD; Kendall E. Donaldson, MD; Susan M. MacDonald, MD</td>
</tr>
<tr>
<td>IC-226</td>
<td>Tackling Posterior Capsule Rupture and IOL Implantation: Video-Based Course</td>
<td>Priya S. Narang, MD&lt;br&gt;Co-Instructors: Kevin M. Miller, MD; Ashvin Agarwal, MD; Amar Agarwal, MS, FRCS, FRCOphth; Nicole R. Fram, MD</td>
</tr>
<tr>
<td>IC-227</td>
<td>Optimizing Toric IOL Outcomes</td>
<td>Adi Abulafia, MD&lt;br&gt;Co-Instructors: Warren E. Hill, MD; Douglas D. Koch, MD; Graham D. Barrett, FRANZCO; Ehud I. Assia, MD; Guy Kleinmann, MD</td>
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#### PRESBYOPIA

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>IC-228</td>
<td>Bifocal, Trifocal, and EDOF IOLs for Presbyopia Correction: Choosing the Best Option</td>
<td>Sebastian Onnis, MD&lt;br&gt;Co-Instructors: Manuel Nicoli, MD; Santiago Onnis, MD; Kevin M. Miller, MD</td>
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#### OTHER

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>IC-229</td>
<td>Social Media for the Ophthalmologist: Challenges and Opportunities in the 21st Century</td>
<td>Vaishali Vasavada, MS&lt;br&gt;Co-Instructors: Arun C. Gulani, MD; Neda Shamie, MD; Dagny Zhu, MD; Uday Devgen, MD; Samaresh Srivastava, MD</td>
</tr>
<tr>
<td>IC-230</td>
<td>Decision Making Using Big Data and Artificial Intelligence: A New Beginning</td>
<td>Jagadesh C. Reddy, MD&lt;br&gt;Co-Instructors: Pravin K. Vaddavalli, MD; Renato Ambrósio, MD, PhD; Raghav Gullapalli, BSN; Shameema Sikder, MD</td>
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#### KERATOREFRACTIVE

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>IC-231</td>
<td>State-of-the-Art Corneal Tomographic Indices in the Screening of Keratoconus Risk for Refractive Surgery</td>
<td>Ronald R. Krueger, MD, MSE&lt;br&gt;Co-Instructors: Carlos G. Arce, MD; Seth M. Pantanelli, MD, MS; Marcony R. Santiago, MD, PhD; Glaucio H. Reggiani Mello, MD; David Smadja, MD</td>
</tr>
<tr>
<td>IC-232</td>
<td>Best of ASCRS (Presented in Korean)</td>
<td>Hungwon Tchah, PhD&lt;br&gt;Co-Instructors: Man Soo Kim, MD, PhD; Hyun Seung Kim, MD; Chul Young Choi, PhD, MD; Eunchul Kim, MD, PhD; Youngsub Eom, MD, PhD; Tae-Young Chung, MD, PhD; Hosik Hwang, MD, PhD; Doh Lee, MD, PhD</td>
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**NEW courses marked with a **NEW** designation.**
ASCRS is pleased to announce the inaugural ASCRS Cataract Day at the 2020 Annual Meeting in Boston, Massachusetts. Based on attendee feedback, ASCRS is introducing a day of programming focused entirely on cataract surgery. Led by the Cataract Clinical Committee, this program has been designed to provide real-world cases, practical information and video instruction for anterior segment surgeons at all experience levels. To increase learner engagement, sessions will include audience response questions/answers, panel discussions, analysis and discussion of key findings from ASCRS’ clinical survey of members.

ASCRS Cataract Day is open to all ASCRS Annual Meeting registrants at no additional fee.

**Educational Objectives**

Ophthalmologists attending this program will be able to:

- Examine ASCRS Clinical Survey findings from 2019.
- Assess best practices in the diagnosis, preparation for, and surgical management of routine, challenging and complex cataract surgery cases.
- Discuss advanced cataract surgical considerations, to include refractive cataract surgery, patient communications and management, complicated cases and cutting-edge technologies.
- Identify pearls for using cataract surgical devices or technology and managing IOL complications or explantation.

**PART 1: CATARACT SURGERY ESSENTIALS: SURVIVING AND THRIVING IN THE CLINIC AND OPERATING ROOM**

**8:00-9:30 a.m.**

This session will address some of the most important considerations for today’s cataract surgeons. It will include data from the 2019 Clinical Survey of ASCRS members as a basis for presentation and discussion. The macro data presented will serve as a benchmark for learners with consideration to their individual practices and opinions.

**Moderators:** Sumitra Khandelwal, MD; Kevin M. Miller, MD

**Panelists:** Quentin Allen, MD; Nick Mamalis, MD; Tal Raviv, MD; Robert Weinstock, MD

**SCHEDULE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Overview of the ASCRS Clinical Survey findings</td>
</tr>
<tr>
<td>8:07 a.m.</td>
<td>How do I program my Phaco machine to handle different scenarios?</td>
</tr>
<tr>
<td>8:15 a.m.</td>
<td>Panel discussion</td>
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<tr>
<td>8:19 a.m.</td>
<td>Should I track my surgical outcomes? If so, how?</td>
</tr>
<tr>
<td>8:25 a.m.</td>
<td>Panel discussion</td>
</tr>
<tr>
<td>8:29 a.m.</td>
<td>How should I handle posterior capsule rupture and vitreous loss?</td>
</tr>
<tr>
<td>8:35 a.m.</td>
<td>Panel discussion</td>
</tr>
<tr>
<td>8:39 a.m.</td>
<td>When and how should I manage a patient’s astigmatism?</td>
</tr>
<tr>
<td>8:45 a.m.</td>
<td>Panel discussion</td>
</tr>
<tr>
<td>8:49 a.m.</td>
<td>What are the pearls I need to know regarding toric IOLs?</td>
</tr>
<tr>
<td>8:55 a.m.</td>
<td>Panel discussion</td>
</tr>
<tr>
<td>8:59 a.m.</td>
<td>When should I consider implanting a multifocal IOL?</td>
</tr>
</tbody>
</table>

When should I avoid it? Cathleen McCabe, MD
ASCRS CATARACT DAY
MONDAY, MAY 18

9:05 a.m.  Panel discussion

9:09 a.m.  How should I manage the unhappy multifocal IOL patient?
Nicole Fram, MD

9:15 a.m.  Panel discussion

9:19 a.m.  How do I evaluate and manage a patient with cataract and dry eyes?
Terry Kim, MD

9:25 a.m.  Panel discussion

PART 2: ADVANCED CATARACT SURGERY: ACHIEVING 20/HAPPY IN 2020

1:00-2:30 p.m.

Building on the essentials presented in part 1, this session will conduct a deeper dive into cataract surgical considerations including, refractive cataract surgery, patient communications and management, complicated cases and cutting-edge technologies. To facilitate learner engagement and self-assessment, the session will pose key clinical questions and scenarios for the audience delivered through an audience response system.

Pre-approved to qualify for ABO Self-Assessment (SACME) credit.

Moderators: Deepinder Dhaliwal, MD; Kevin M. Miller, MD

Panelists: Brandon Ayres, MD; David Chang, MD; Susan MacDonald, MD; Abhay Vasavada, MD

SCHEDULE

1:00 p.m.  Welcome and Introductions

1:01 p.m.  Audience response

1:02 p.m.  How do I analyze astigmatism using double-angle polar plots?
Adi Abulafia, MD

1:09 p.m.  Panel discussion

1:12 p.m.  Audience response

1:13 p.m.  I know the words I use are important. What should I say? What should I not say?
Robert Osher, MD

1:20 p.m.  Panel discussion

1:23 p.m.  Audience response

1:24 p.m.  What do I need to know about intraoperative refractive guidance?
Kendall Donaldson, MD

1:31 p.m.  Panel discussion

1:34 p.m.  Audience response

1:35 p.m.  How do I implement a program of bilateral same-day cataract surgery?
Huck Holz, MD

1:42 p.m.  Panel discussion

1:45 p.m.  Audience response

1:46 p.m.  When should I offer monovision? When should I offer multifocality?
Mitchell Jackson, MD

1:53 p.m.  Panel discussion

1:56 p.m.  Audience response

1:57 p.m.  What are the 5 pearls for managing the very small eye?
Abhay Vasavada, MD

2:04 p.m.  Panel discussion

2:07 p.m.  Audience response

2:08 p.m.  What are the 5 pearls for managing the very large eye?
Sumitra Khandelwal, MD

2:15 p.m.  Panel discussion

2:18 p.m.  Audience response

2:19 p.m.  What new lens technologies are on the horizon?
Sumit (Sam) Garg, MD

2:26 p.m.  Panel discussion
ASCRS ANNUAL MEETING PREVIEW

ASCRS CATARACT DAY
MONDAY, MAY 18

PART 3: 2020 ASCRS CATARACT SURGERY OLYMPICS

3:00-5:00 p.m.

This 2-hour session will feature four international teams of cataract surgeons (ASCRS, LASCRS, ESCRs and APACRS) competing in this highly-educational all-video session highlighting practical pearls for routine and complicated cataract surgery. An international panel of judges will respond with comments and educational pearls following each team’s presentations.

Each team has four surgeons that will sequentially present 4-minute tightly edited videos – one in each event category. The presenters will share practical pearls for audience members to incorporate into their own surgical armamentarium. Each team will receive a rating from the panel of judges. Judging criteria will include teaching value, presentation quality, surgical technique, and interest/entertainment value.

At the conclusion of the session, the audience will vote for the individual Gold Medal winner in each of the four categories. The audience will also vote to select the Gold Medal winning team.

Moderator: David F. Chang, MD

Panel of Judges: Terry Kim, MD, (USA)
Arnaldo Espaillat, MD, (Dominican Republic)
Beatrice Cochener, MD, PhD, (France)
Ronald Yeoh, MD (Singapore)

APACRS Team: Abhay Vasavada, MD - Captain (India)
Graham Barrett, FRANZCO (Australia)
Soon Phaik Chee, FRCSeD, FRCOphth (Singapore)
Mun Wai Lee, MD (Malaysia)

ESCRS Team: Rudy Nuijts, MD, PhD - Captain (Netherlands)
Jose Guell, MD, PhD (Spain)
Thomas Kohnen, MD (Germany)
Boris Malyugin, MD (Russia)

LASCRRS Team: Claudio Orlich, MD - Captain (Costa Rica)
Bruno Fontes, MD (Brazil)
Melina Isabel Morkin, MD (Argentina)
Ernesto Otero, MD (Colombia)

ASCRS Team: Kevin Miller, MD - Captain (USA)
Ike Ahmed, MD (Canada)
Nicole Fram, MD (USA)
Cathleen McCabe, MD (USA)

The four events:

1. **Cataract Technology Hurdles** – Best teaching tips for using a cataract surgical device or technology.
2. **IOL Wrestling** – Best teaching tips for managing IOL complications or IOL explanation.
3. **Cataract Surgical Gymnastics** – Best teaching video to demonstrate an interesting maneuver to manage a complication or challenging situation.
4. **Cataract Marathon** – Best teaching video of a cataract surgical complication where something went wrong that unexpectedly turned the case into a challenging “marathon.”
### ASCRS Program

**Monday, May 18**

**8:00–9:30 a.m.**

### Symposia

#### CORNEA

**SYM-301 Keratoconus Essentials**

*Sponsored by the ASCRS Cornea Clinical Committee and Refractive Surgery Clinical Committee*

- **ESSENTIALS**
- **NEW**
- **Moderators:** Francis S. Mah, MD; Vance M. Thompson, MD

#### ASCRS Cataract Day

**SYM-302 Cataract Surgery Essentials: Surviving and Thriving in the Clinic and Operating Room**

*Sponsored by the ASCRS Cataract Clinical Committee*

- **NEW**
- **ESSENTIALS**
- **Moderators:** Kevin M. Miller, MD; Sumitra S. Khandelwal, MD

### Instructional Courses

#### Keratorefractive

**IC-301 Refractive Surgery Safety and Standards: Lessons Learned from the Department of Defense**

*Instructor:* Gary L. Legault, MD  
*Co-Instructors:* Elizabeth M. Hofmeister, MD; J. Richard Townley III, MD

**IC-302 Optimizing Toric IOL Outcomes**

*Instructor:* Ronald Yeoh, MD  
*Co-Instructors:* Tetsuro Oshika, MD, PhD; Graham D. Barrett, FRANZCO

**IC-303 Ergonomics in Ophthalmology**

*NEW*

*Instructor:* Alison D. Early, MD

#### Cataract

**IC-304 Anterior Vitrectomy for the Cataract Surgeon—The Road Not Taken**

*Instructor:* Shail A. Vasavada, DNB, FRCS  
*Co-Instructors:* Abhay R. Vasavada, MS, FRCS; Steve Charles, MD

**IC-305 Keratoconus Management: What, When, and How-to-Do**

*NEW*

*Instructor:* Elias F. Jarade, MD

**IC-306 Ocular Surface Procedures in the Treatment Room**

*Instructor:* Clara C. Chan, MD, FRCS  
*Co-Instructors:* David S. Rootman, MD, FRCS; Joshua C. Teichman, MD, MPH; Neera Singal, FRCS, MD; Allan R. Slomovic, MD, FRCS, MSc; Michael Mimouni, MD

#### Cornea

**IC-307 The Art of Pupilloplasty and Iris Reconstruction Surgery: Tips and Tricks**

*NEW*

*Instructor:* Miltiadis Balidis, PhD  
*Co-Instructors:* Hazem M. Yassin, MD; Rajesh Fogla, MD, FRCS; Rania MS Zaki, MD, PhD

**IC-308 Getting the Right Outcome after Crosslinking**

*NEW*

*Instructor:* Pooja Khamar, MD  
*Co-Instructors:* Rohit Shetty, FRCS; Michael W. Belin, MD; Renato Ambrósio, MD, PhD; Ronald R. Krueger, MD, MSE; Marcony R. Santhiago, MD, PhD

**IC-309 Understanding and Managing Patients Unhappy with Vision after Cataract Surgery**

*NEW*

*Instructor:* Daniel H. Chang, MD  
*Co-Instructor:* Claudia E. Perez-Straziota, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Topics</th>
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<tr>
<td>8:00-9:30 a.m.</td>
<td><strong>PAPER SESSIONS</strong></td>
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</table>

**CORNEA**

**SPS-301 Corneal Disease Diagnostics**
*Presenters:*
Taher K. Eleiwa, MD, MSc
Aishwarya Chhabra, MS
Sunita R. Agarwal, MD
Taher K. Eleiwa, MD, MSc
Reza Razeghinejad, MD
Albert Y. Cheung, MD
Luci Kaweri, MD
Collin B. Chase
Arman S. Grewal
Pavitra K. Patel, MS
Saumya Yadav, MD
Sunita Chaurasia, MD
Tiago B. Ferreira, MD, PhD
Carlos Palomino, MD, PhD, FEBO
Giancarlo A. Garcia, MD

**SPS-302 Corneal Procedures: DMEK, Keratoprosthesis, Other**
*Presenters:*
Philip W. Dockery, MPH
Jodhbir S. Mehta, MBBS, FRCS, PhD
Samar K. Basak, FRCS, MD
Or Ben-Shaul, MD
Gisella Santeanna, MD
Shin-Yi Chen, MD
Jordan R. Hill, MD
Ofer Daphna, MD
Mike Zein, MD
Nicolas C. Pereira, MD, PhD
Ioanna Kontari, MD
Isabel Dapena, MD, PhD
Roy Daoud, MD
Borja Salvador-Culla, MD
Saama Sabeti, MD, MPH
Lional Raj Daniel Raj Ponniah, MD

**GLAUCOMA**

**SPS-304 Glaucoma Medications**
*Presenters:*
Robert N. Weinreb, MD
Jacob W. Brubaker, MD
E. Randy Craven, MD, ABO
Thomas R. Walters, MD
Ken Hayashi, MD, PhD
Krishnan Rani Porselvi, DO, MBBS
Rahul Raghuv, MD, MBA
Samaresh Srivastava, MD
Jacob A. Evans, MD
Michael D. Greenwood, MD
C. Ellis Wisely, MD

**GLAUCOMA**

**SPS-305 Glaucoma Surgical Outcomes and Procedures**
*Presenters:*
Khin P. Kilgore, MD
Juan Carlos Izquierdo, MD
James A. Carolan, MD
Meenakshi Y. Dhar, MS, MBBS
Matthew R. Denny, MD
Cansu Yuksel Elgin, MD
Natalia Maes, MD
Pier Domenico D’Andrea, MD
Nathan M. Radcliffe, MD
Caleb L. Shumway, MD
Aadithreya Varman, MBBS
Daniel J. Olivieri
Anthony Fanous

**CATARACT**

**SPS-303 Cataract Surgery, Devices and Instruments**
*Presenters:*
Ramin Khoramnia, MD
Inder P. Singh, MD
Eiichi Nishimura, MD, PhD
Thomas Kohnen, MD, PhD
Emilie L. Ungricht
Suven Bhattacharjee, MD
Kenneth R. Kenyon, MD
Pavel Stodulka, MD, PhD
David Varssano, MD
David F. Chang, MD
Fan Zhang, MD
Takayuki Akahoshi, MD
Bharti Kashyap, MS
Zachary Mendelson, MD
Sri Ganesh, MS
David Y. Lu, MD
### ASCRS PROGRAM
MONDAY, MAY 18

**8:00–9:30 a.m.**

**SKILLS TRANSFER & PHYSICIAN LEARNING LABS**

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<tr>
<th>CATARACT</th>
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<th>GLAUCOMA</th>
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<tbody>
<tr>
<td><strong>STL-17 Anterior Vitrectomy</strong></td>
<td><strong>PLL-7 Clinical OCT</strong></td>
<td><strong>STL-18 MIGS: Part A</strong></td>
</tr>
<tr>
<td><strong>Instructor:</strong> Lisa B. Arbisser, MD</td>
<td><strong>Instructor:</strong> Mark E. Moran, DO, MSHI</td>
<td><strong>Instructor:</strong> Nir Shoham-Hazon, MD</td>
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<tr>
<td><strong>Co-Instructors:</strong> Lorenzo J. Cervantes, MD; Kendall E. Donaldson, MD; Ricardo G. Glikin Sr., MD; Himani Goyal, MD; Harry B. Grabow, MD; Arun C. Gulani, MD; Cynthia Matossian, MD; Gregory SH Ogawa, MD; Kenneth J. Rosenthal, MD; Steven G. Safran, MD; Reena Sethi, DO, MS; Jonathan D. Solomon, MD</td>
<td></td>
<td><strong>Co-Instructors:</strong> Marjorie Carbonneau, MD; Syril K. Dorairaj, MD; Lilach Drori, MD; Patrick Gooi, MD; Guillermo R. Meerhoff, MD; Garfield Miller, MD; Arvind Neelakantan, MD, FRCOphth; Steven R. Sarkisian, Jr, MD; Shakeel Shareef, MD; Inder P. Singh, MD; Russell Swan, MD; Charles H. Weber, MD; Blake K. Williamson, MD</td>
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INNOVATORS GENERAL SESSION
MONDAY, MAY 18
10:00 – 11:30 a.m.

THIS EVER-POPULAR SESSION WILL FEATURE PRESENTATIONS ON SOME OF THE MOST INTRIGUING AND GROUND-BREAKING INNOVATIONS IN OPHTHALMOLOGY FOLLOWED BY DISCUSSION AND DEBATE BY A PANEL OF EXPERTS.

Moderator: Edward J. Holland, MD

Panelists: Ike K. Ahmed, MD; Reay H. Brown, MD; Clara C. Chan, MD; Cathleen M. McCabe, MD; Rudy Nuijts, MD, PhD

2020 CHARLES D. KELMAN MD INNOVATOR’S LECTURE

The Charles D. Kelman Innovator’s Lecture honors the work of individuals whose creativity has benefited ophthalmologists and their patients. Charles D. Kelman, MD (1930-2004), presented the first lecture in 1985. In recognition of the ongoing contribution of Dr. Kelman to anterior segment surgery, the lecture was renamed for him in 2003.

Roy W. Beck, MD, PhD

MY JOURNEY THROUGH CLINICAL TRIALS IN OPHTHALMOLOGY
### ASCRS ANNUAL MEETING PREVIEW

#### ASCRS PROGRAM

**MONDAY, MAY 18**

**1:00–2:30 p.m.**

### SYMPOSIA

<table>
<thead>
<tr>
<th><strong>ASYRS CATARACT DAY</strong></th>
<th><strong>OTHER</strong></th>
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</table>
| **SYM-303** Advanced Cataract Surgery: Achieving 20/Happy in 2020  
Sponsored by the ASCRS Cataract Clinical Committee  
NEW  
**Moderators:** Kevin M. Miller, MD; Deepinder K. Dhaliwal, MD | **SYM-304** Drop Free Cataract Surgery: Regulatory Landscape and FDA Perspective  
Sponsored by the ASCRS FDA Committee  
NEW  
**Moderator:** Natalie A. Afshari, MD |

### INSTRUCTIONAL COURSES

#### PEDIATRIC

| **IC-310** Pediatric Cataract for Every Ophthalmologist  
NEW  
**Instructor:** Siddharth Agrawal, MS, DNB  
**Co-Instructors:** Vinita Singh, MBBS, MS; Rajat M. Srivastava, MBBS, MD; Vikas Kanauja, MS; Mohit Khattri, MD; Gaurav Kumar, MS |  |

#### CATARACT

| **IC-311** Application of Small Aperture Intraocular Lens Technology in Cataract and Refractive Surgery  
NEW  
**Instructor:** Gerd U. Auffarth, MD, PhD  
**Co-Instructors:** Ramin Khoramnia, MD; John A. Vukich, MD; Grzegorz Labuz, PhD; Robert Edward T. Ang, MD | **IC-312** Advanced Descemet Membrane Endothelial Keratoplasty  
**NEW**  
**Instructor:** Gerrit Melles, MD  
**Co-Instructors:** Jorge E. Peraza Nieves, MD; Sorcha S. Ni Dhubhghaill, MD, PhD; MRCOphth; Lamis Baydoun, MD; Diana C. Dragnea, MD; Isabel Dapena, MD, PhD |

#### CORNEA

| **IC-313** The Latest in Improving IOL Power Accuracy  
**Instructor:** Kenneth J. Hoffer, MD  
**Co-Instructor:** Giacomo Savini, MD | **IC-314** New Imaging Modalities in Management of Dry Eye: Paradigm Shift in Protocols  
NEW  
**Instructor:** Radhika Tandon, MD, DNB, FRCOphth, FRCSEd  
**Co-Instructors:** Murugesan Vanathi, MD; Noopur Gupta, MS, DNB, PhD; Neiwete Lomi, MD | **IC-315** DMEK from D to K: Step-By-Step Approach to Descemet's Membrane Endothelial Keratoplasty  
**Instructor:** Neera Singal, FRCS, MD  
**Co-Instructors:** Allan R. Slomovic, MD, FRCS, MSc; David S. Rootman, MD, FRCS; Clara C. Chan, MD, FRCS; Michael Mimouni, MD; Eyal Cohen, MD |

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46 | ASCRS ANNUAL MEETING PREVIEW
1:00–2:30 p.m.

INSTRUCTIONAL COURSES

<table>
<thead>
<tr>
<th>CORNEA</th>
<th>CATARACT</th>
<th>CATARACT</th>
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<tbody>
<tr>
<td>IC-316 Keratoconus: All You Need to Know in 2020</td>
<td>IC-317 Management of Pre-Existing and Postoperative Corneal and Ocular Surface Problems during Phacoemulsification</td>
<td>IC-318 Best of ASCRS 2020 (Presented in Spanish)</td>
</tr>
<tr>
<td><strong>New</strong></td>
<td><strong>New</strong></td>
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<tr>
<td><strong>Instructor:</strong> Madhu Uddaraju, MS</td>
<td><strong>Instructor:</strong> Namrata Sharma, MD</td>
<td><strong>Co-Instructors:</strong> Carlos L. Nicoli, MD</td>
</tr>
<tr>
<td><strong>Co-Instructors:</strong> Sujatha Mohan, FRCS; Ashish Kedia, MS; Divya Manohar, MS; Roberto Piñeda, MD</td>
<td><strong>Co-Instructors:</strong> Anthony J. Aldave, MD; Jodhibir S. Mehta, MBBS, FRCSEd, PhD; Mark A. Terry, MD; Gaurav Luthra, MS; Rajesh Fogla, MD, FRCS; Prakhyat Roop, MBBS</td>
<td><strong>Co-Instructors:</strong> Arnaldo Espaillat, MD; Sebastian Onnis, MD; Leonidas Trape, MD, MSc; Andrés Benatti, MD; Valeris Sanches-Huerta, MD; Santiago Encinas Zevallos Sr., MD; César C. Carriazo, MD; Carlos Palomino, MD, PhD, FEBO; Daniel A. Badoza, MD; Fernando L. Soler-Ferrandez, MD; Juan J. Mura, MD, MHA; María José Cosentino, MD; Miguel A. Padilha, MD; Oscar S. Asís, MD</td>
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PAPER SESSIONS

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<tr>
<th>CORNEA</th>
<th>CORNEA</th>
<th>CATARACT</th>
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<tr>
<td><strong>Presenters:</strong> Emilio A. Torres Netto, MD Naveen S. Chandra, MD Janice M. Matthews, MD, MPH Dan Wen, MD Pankaj Sharma, MD Jack Parker, MD, PhD Soosan Jacob, MS, DNB, FRCS David J. Gunn, MBBS, FRANZCO Shady T. Awad, MD Chitra R. Ramamurthy, MD Rodrigo A. Quesada, MD Nigel H. Barker, FRCOphth Juan Carlos Grandin, MD Seyed javad Hashemian, MD</td>
<td><strong>Presenters:</strong> Eyüp Özcan, MD Pooja Mehta, MBBS, MS David Teren, MD Renato Ambrósio, MD, PhD Alanna S. Nattis, DO Christoph F. Kranemann, MD Gregory J. Pamela, MD Steven A. Greinstein, MD Simon P. Holland, MD, FRCS Ritika Dalal, MBBS, DNse Eric D. Donnenfeld, MD Hui Zhao, MD, PhD Wei Shengsheng, MD Miltiadis Balidis, PhD Pierre Zéboulon, MD Aishwarya Chhabra, MS</td>
<td><strong>Presenters:</strong> Ahad Mahootchi, MD Inder P. Singh, MD Lional Raj Daniel Raj Ponniah, MD Rohan Bowry, MD Mayumi Nagata, MD, PhD Panos S. Gartaganis, MD Ashok Rangarajan, MS, DNB, FRCS Billy R. Hammond Jr., PhD Lisa M. Renzi-Hammond, PhD Liliana Werner, MD, PhD Debashis Dutta, MS Xixia Ding, MD, PhD Mark F. Goerlitz-Jessen, MD Nick Mamalis, MD Hiroyuki Matsushima, MD, PhD</td>
</tr>
</tbody>
</table>
1:00–2:30 p.m.

PAPER SESSIONS

CATARACT

SPS-309  Cataract Surgery
Miscellaneous

Presenters:
Jessica L. Ruzicki, MD
Nambi Nallasamy, MD
Dr. Ratish Ch Paul Sr., MS, DOMS, MBBS
Lindsay Ong-Tone, FRCS
Daniel C. Terveen, MD
Nandini Venkateswaran, MD
Martha C. López-Montero, MD
Fan Zhang, MD
Sally S.E. Park
Sandip Sarkar Sr., MBBS, MS
Roberto Gonzalez-Salinas, MD, PhD
Jack V. Greiner, MD
Yeon Jeong Lee, MD
Jitender Jinagal, MS

GLAUCOMA

SPS-310  Minimally Invasive Glaucoma Surgery: Micro-Bypass Stents, Microstents

Presenters:
Thomas W. Samuelson, MD
Quang H. Nguyen, MD
Magda B. Rau, MD
David K. Manning, MD
Nathan M. Radcliffe, MD
Matthew S. Porter, MD
Brendan G. Cronin, FRANZCO, MBBS
Mark J. Gallardo, MD
Mitchell C. Shultz, MD
Tanner J. Ferguson, MD
Steven R. Sarkisian Jr., MD

SKILLS TRANSFER & PHYSICIAN LEARNING LABS*

CATARACT

STL-21  Anterior Vitrectomy
Instructor: Lisa B. Arbisser, MD
Co-Instructors: Ashraf Armia, MD, FRCS; Ricardo G. Glikin Sr., MD; Warren E. Hill, MD; Jason J. Jones, MD; Lisa M. Nijim, MD, JD; Michael E. Snyder, MD; Zeba A. Syed, MD; Zachary J. Zavodni, MD

RETINA

PLL-8  Clinical OCT
Instructor: Mark E. Moran, DO, MSHI

GLAUCOMA

STL-20  MIGS: Part B
Instructor: Nir Shoham-Hazon, MD
Co-Instructors: Noor Alotaibi, MBBS, FRCS; Brandon J. Baartman, MD; Michael D. Greenwood, MD; Paul J. Harasymowycz, MD; David M. Lubeck, MD; Michael F. Oats, MD; Rahul T. Pandit, MD; Thomas D. Patranakos, DO; David Richardson, MD; Inder P. Singh, MD; Dan B. Tran, MD; William F. Wiley, MD; Amy D. Zhang, MD
**ASCRS PROGRAM**  
**MONDAY, MAY 18**

### 3:00–4:30 p.m.

#### SYMPOSIA

**ASCRS CATARACT DAY**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Details</th>
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</table>
| **SYM-305 The 2020 ASCRS Cataract Surgery Olympics** | Special Time: 3:00-5:00 p.m.  
Sponsored by the ASCRS Cataract Clinical Committee  
**Moderator:** David F. Chang, MD |

### INSTRUCTIONAL COURSES

#### CORNEA

<table>
<thead>
<tr>
<th>Course</th>
<th>Topic</th>
<th>Instructors</th>
</tr>
</thead>
</table>
| IC-319 | Cornea Lumps, Bumps and Bruises | Sumitra S. Khandelwal, MD  
Co-Instructors: Zaina Al-Mohtaseb, MD; Julie Schallhorn, MD; Claudia E. Perez-Straziota, MD; Kourtney H. Houser, MD |

#### CATARACT

<table>
<thead>
<tr>
<th>Course</th>
<th>Topic</th>
<th>Instructors</th>
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</thead>
</table>
| IC-318 | Innovate Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |
| IC-319 | Innovative Contributions from Young Surgeons across the Globe | Samaresh Srivastava, MD  
Co-Instructors: Rohit Shetty, FRCS; Shin Yamane, MD, PhD; Claudio C. Trindade, MD, PhD; Sumit Garg, MD; Ashvin Agarwal, MD |
| IC-320 | Premium and Toric IOLs: How to Use, When to Use, and What Patients Will Benefit from this Technology | P. Dee G. Stephenson, MD  
Co-Instructors: Ashraf Armia Balamoun, MD, FRCS; Denise M. Visco, MD, MBA; Mitchell A. Jackson, MD; Inder P. Singh, MD |
| IC-321 | IOL Power Calculation Update by the IOL Power Club | Giacomo Savini, MD  
Co-Instructors: Kenneth J. Hoffer, MD; H. John Shammas, MD; Han Bor Fam, MD; Thomas Olsen, MD, PhD; Oliver Findl, MBA, MD |
| IC-322 | Innovators Under 45: Innovative Contributions from Young Surgeons across the Globe | Rohit Shetty, FRCS; Shin Yamane, MD, PhD; Claudio C. Trindade, MD, PhD; Sumit Garg, MD; Ashvin Agarwal, MD |
| IC-323 | Innovative Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |
| IC-324 | Premium and Toric IOLs: How to Use, When to Use, and What Patients Will Benefit from this Technology | P. Dee G. Stephenson, MD  
Co-Instructors: Ashraf Armia Balamoun, MD, FRCS; Denise M. Visco, MD, MBA; Mitchell A. Jackson, MD; Inder P. Singh, MD |
| IC-325 | Innovative Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |
| IC-326 | Innovative Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |
| IC-327 | Innovative Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |
| IC-328 | Innovative Technologies and Techniques to Conquer Brunescent Cataracts | Arup Bhaumik, MS  
Co-Instructors: Debashis Dutta, MS; Suven Bhattacharjee, MD; Siddhartha Ghosh, MS; Ayan Mohanta, MS |

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ASCRS ANNUAL MEETING PREVIEW | 49
3:00–4:30 p.m.

INSTRUCTIONAL COURSES

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### CORNEA

**IC-325** Video-Based Course on Various Surgical Techniques of Anterior Lamellar Keratoplasty

**Instructor:** Rajesh Fogla, MD, FRCS

**Co-Instructors:** Luigi Fontana, MD; David S. Rootman, MD, FRCS; Vincenzo Sarnicola, MD

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### CATARACT

**IC-326** Humanitarian Ophthalmology: How to Provide High-Quality Cataract Surgery in Remote Areas

**Instructor:** Ricardo M. Nose, MD

**Co-Instructors:** Emilio A. Torres Netto, MD; Roberto Piñeda, MD; Walton Nosé, MD; Marcos J. Cohen, MD

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### RETINA

**IC-327** Data-Driven Management of Age-Related Macular Degeneration for the Comprehensive Ophthalmologist

**Instructor:** Michael W. Stewart, MD

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PAPER SESSIONS

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### CORNEA

**SPS-311** Corneal Disease

**Presenters:**
- Stephen D. Anesi, MD
- Jagruti N. Jadeja, MS, DO
- Zhonghui K. Luo, MD, PhD
- Madhu Uddaraju, MS
- Eric D. Rosenberg, DO
- Emily L. Laskey
- Chan-Ho Cho, MD
- Margaret C. Pollard, MD
- Sang-Bum Lee, PhD
- Noelia J. Kunzevitzky, PhD
- Odette A. Guzman, MD
- Ikhyun Jun, MD, PhD
- Hasenin Al-khersan, MD
- Pravin K. Vaddavalli, MD

---

### CORNEA

**SPS-312** Ocular Surface Treatments: DED, MGD

**Presenters:**
- Azher Q. Aldouri, FRCS, DNB
- Edward J. Holland, MD
- Hong Kyun Kim, MD, PhD
- Sunil Shah, MD, FRCS
- Tadas Naujokaitis, MD
- Steven M. Silverstein, MD, FACS
- Elizabeth Yeu, MD
- Cynthia Matossian, MD
- Emmanuel Bettach, MD
- Samer Hamada, FRCOphth, FRCSed, MSc, MD
- Barbara Kusa, MD
- Sonia Maheshwari, MS
- David Zadok, MD
- Laura M. Periman, MD

---

### PRESBYOPIA

**SPS-313** Presbyopia-correcting IOLs

**Presenters:**
- Brendan J. Vote, MBBS
- Magda B. Rau, MD
- Matteo Piovella, MD
- Florian T.A. Kretz, MD
- Grzegorz Labuz, PhD
- Sumit Garg, MD
- Eric D. Donnenfeld, MD
- Rosa Braga-Mele, MD, FRCSC
- Mike P. Holzer, MD
- Filomena J. Ribeiro, MD
- Y. Ralph Chu, MD
- James C. Loden, MD
- Jeffrey Whitsett, MD
- Andrea Janeckova, MD
- Matthew D. Paul, MD
3:00–4:30 p.m.

PAPER SESSIONS

<table>
<thead>
<tr>
<th>GLAUCOMA</th>
<th>PEDIATRIC</th>
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<tbody>
<tr>
<td><strong>SPS-314 Minimally Invasive Glaucoma Surgery: Surgical Outcomes</strong></td>
<td><strong>SPS-315 Pediatric Cornea</strong></td>
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<tr>
<td><strong>Presenters:</strong></td>
<td><strong>Presenters:</strong></td>
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<tr>
<td>Ali Salimi, MSc</td>
<td>Rodrigo A. Quesada, MD</td>
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<tr>
<td>Jason S. Flamendorf, MD</td>
<td>William J. Johnson, MD</td>
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<tr>
<td>Richard A. Lehrer, MD</td>
<td>Gina Shetty, MD</td>
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<td>Keith Walter, MD</td>
<td>Aysel Pelit</td>
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<td>Tanner J. Ferguson, MD</td>
<td>Maria A. Henriquez, PhD, MD</td>
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<td>Fritz H. Hengerer, MD</td>
<td>Pablo Larco Jr., MD</td>
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<tr>
<td>George R. Wandling Jr., MD</td>
<td>Muralidhar Ramappa, MD</td>
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<tr>
<td>Ali Salimi, MSc</td>
<td>Pooja Mehta, MBBS, MS</td>
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<td>John P. Berdahl, MD</td>
<td>Yong Zhang, MD</td>
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<td>Paul H. Kalina, MD</td>
<td>Soosan Jacob, MS, DNB, FRCS</td>
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<td>Blake K. Williamson, MD</td>
<td>Namrata Sharma, MD</td>
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<td>Obadah Moushmoush</td>
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<td>Alexander Knezevic, MD</td>
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<td>Stephanie H. Noh</td>
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<td>Daniel B. Azzam</td>
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**38TH ANNUAL FILM FESTIVAL RECEPTION AND AWARDS CEREMONY**

Hosted by Film Festival Chair Shachar Tauber, MD

A team of nine panelists will judge the submitted Scientific Films based on applicability/education value, originality, scientific content/validity, clarity, cinematic quality and artistic effects.

Award winning videos will be shown, and a winner and runner-up award will be presented to producers in each category. One overall winner will receive the Grand Prize. The winning films will be shown continuously in the Film Festival Theater on Tuesday, May 19.

Please join us for a reception before the ceremony.

(This session is non-CME)
## ASCRS PROGRAM
### TUESDAY, MAY 19

### 8:00–9:30 a.m.

#### SYMPOSIA

<table>
<thead>
<tr>
<th>Cataract</th>
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<tbody>
<tr>
<td><strong>SYM-401</strong> X-Rounds: Refractive Cataract Surgery to the Max</td>
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<tr>
<td><strong>Moderator:</strong> Eric D. Donnenfeld, MD</td>
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### INSTRUCTIONAL COURSES

#### KERATOREFRACTIVE

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Co-Instructors</th>
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</thead>
<tbody>
<tr>
<td><strong>IC-401</strong></td>
<td>SMILE: Then What</td>
<td>Ashiyana Nariani, MD, MPH</td>
<td>J. Bradley Randleman, MD; Dan Z. Reinstein, MD, FRCS; Soosan Jacob, MS, DNB, FRCS; Scott M. MacRae, MD; Ronald R. Krueger, MD, MSE</td>
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**NEW**

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<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Co-Instructors</th>
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<tbody>
<tr>
<td><strong>IC-402</strong></td>
<td>Different Methods for Intraocular Lens Exchange</td>
<td>Maria S. Romero, MD</td>
<td>Ashvin Agarwal, MD; Soon-Phaik Chee, FRCOphth, FRCSed; Cathleen M. McCabe, MD; Sergio F. Canabrava, MD</td>
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<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Co-Instructors</th>
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<tbody>
<tr>
<td><strong>IC-403</strong></td>
<td>SMILE: Beginner’s Guide</td>
<td>Sheetal Brar, MD</td>
<td>John F. Doane, MD; Shamik Bafna, MD; Sri Ganesh, MS; Amir Hamid, MBBS, FRCOphth; Mahipal S. Sachdev, MD</td>
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<th>Co-Instructors</th>
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<tbody>
<tr>
<td><strong>IC-404</strong></td>
<td>Iris Repair Techniques</td>
<td>Mohan Rajan, FRCS</td>
<td>Sujatha Mohan, FRCS; Soon-Phaik Chee, FRCOphth, FRCSed; Kevin M. Miller, MD; Amar Agarwal, MS, FRCS, FRCOphth</td>
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<th>Co-Instructors</th>
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<tbody>
<tr>
<td><strong>IC-405</strong></td>
<td>Infectious, Inflammatory and Toxic Complications Following Cataract Surgery: Endophthalmitis, TASS, TPSS, HORV</td>
<td>Nick Mamalis, MD</td>
<td>Randall J. Olson, MD; Alan S. Crandall, MD; Tat-Keong Chan, MD, FRCS</td>
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<tbody>
<tr>
<td><strong>IC-406</strong></td>
<td>DMEK for Challenging Cases: Step-By-Step Approach to DMEK in Complex Eyes</td>
<td>David S. Rootman, MD, FRCS</td>
<td>Clara C. Chan, MD, FRCS; Rajesh Fogla, MD, FRCS; Joshua C. Teichman, MD, MPH; Tanya Trinh, FRANZCO, MBBS; Gisella Santaella, MD</td>
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<tbody>
<tr>
<td><strong>IC-407</strong></td>
<td>Intraocular Lens Exchange: Surgical Management of Malpositioned and Malfunctioning IOLs</td>
<td>Nicole R. Fram, MD</td>
<td>Zaina Al-Mohtaseb, MD; Brandon D. Ayres, MD; Sadeer B. Hannush, MD; Thomas A. Oetting, MD</td>
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</tbody>
</table>
### ASCRS PROGRAM

**TUESDAY, MAY 19**

#### 8:00–9:30 a.m.

**PAPER SESSIONS**

<table>
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<tr>
<th><strong>PRESBYOPIA</strong></th>
<th><strong>CATARACT</strong></th>
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<tbody>
<tr>
<td><strong>SPS-401</strong> Presbyopia Correction</td>
<td><strong>SPS-402</strong> IOL Design and Characteristics</td>
<td><strong>SPS-403</strong> Cataract Surgery Systems, Devices, Instruments</td>
</tr>
<tr>
<td><strong>Presenters:</strong></td>
<td><strong>Presenters:</strong></td>
<td><strong>Presenters:</strong></td>
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<tr>
<td>Nesrine Rahmania Jr., MD, MSc</td>
<td>Jeewan S. Titiyal, MD</td>
<td>Kevin M. Miller, MD</td>
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<td>Dan Z. Reinstein, MD, FRCS</td>
<td>Uday Devgan, MD</td>
<td>David M. Lubeck, MD</td>
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<td>John P. Berdahl, MD</td>
<td>Sean J. Kennedy, MD</td>
<td>Nathan Jensen</td>
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<td>Robert Edward T. Ang, MD</td>
<td>Sneha Bontu, MD</td>
<td>Helga F. Pizio, MD</td>
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<td>Arthur B. Cummings, MD</td>
<td>Ashokkumar Vyas, FRCS</td>
<td>Santaro Noguchi, MD</td>
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<tr>
<td>Ramón Ruiz Mesa, MD</td>
<td>Ashokkumar P. Shroff, MD</td>
<td>Itzel Montserrat Perez Gudiño, MD</td>
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<tr>
<td>Vance M. Thompson, MD</td>
<td>Lisa K. Feulner, MD, PhD</td>
<td>Takayuki Akahoshi, MD</td>
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<tr>
<td>Jerry G. Hu, MD</td>
<td>Takeshi Teshigawara, MD, PhD</td>
<td>Hong Qi, MD, PhD</td>
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<td>Luca Guadali, MD</td>
<td>John A. Vukich, MD</td>
<td>Barbara Kusa, MD</td>
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<tr>
<td>Sunil Shah, MD, FRCS</td>
<td>Larissa Gouveia, MD</td>
<td>Rajendra Prasad, MBBS</td>
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<tr>
<td>Matthias Elling, MD</td>
<td>Kohei Ichikawa, MD</td>
<td>Erik L. Mertens, MD</td>
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<tr>
<td>Bojan Pajic, MD, PhD</td>
<td>Bret L. Fisher, MD</td>
<td>Robert H. Osher, MD</td>
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<td>Damien Gatine, MD, PhD</td>
<td>Hassan Mansoor, FRCSEd, FCPS</td>
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<td>Jan Weindler, MD</td>
<td>Mukesh Joshi, MS</td>
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<td>Bogdan G. Galan, MD</td>
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<td>Eva I. Liang, MD, FACS</td>
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<td><strong>SPS-404</strong> Minimally Invasive Glaucoma Surgery: Surgical Outcomes and Comparisons</td>
<td><strong>SPS-405</strong> Pediatric Cataract</td>
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<td><strong>Presenters:</strong></td>
<td><strong>Presenters:</strong></td>
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<tr>
<td>Mahmoud A. Khaimi, MD</td>
<td>Xixia Ding, MD, PhD</td>
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<tr>
<td>Igor Bussel, MD, MHA</td>
<td>Pingjun Chang, MD</td>
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<tr>
<td>Mark C. Lobanoff, MD</td>
<td>Vaishali Vasavada, MS</td>
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<td>Mahmoud A. Khaimi, MD</td>
<td>Fatema M. Bin Rajab, MD</td>
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<td>Rodolphe T. Matsumoto, MD</td>
<td>Bharti Nihalani-Gangwani, MD</td>
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<td>Nathan M. Radcliffe, MD</td>
<td>Jagat Ram, MS</td>
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<td>Mark J. Gallardo, MD</td>
<td>Deborah K. VanderVeen, MD</td>
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<td>Eva I. Liang, MD</td>
<td>Prafulla K. Maharana, MD, DNB</td>
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<td>Patrick Gooi, MD</td>
<td>Vaishali Vasavada, MS</td>
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<td>Brandon J. Baartman, MD</td>
<td>Hongfang Zhang, MD</td>
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<td>Ike K. Ahmed, MD, FRCS</td>
<td>Zhangliang Li, OD, MD</td>
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<td>Brendan G. Cronin, FRANZCO, MBBS</td>
<td>Nandini Venkateswaran, MD</td>
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<td>William F. Wiley, MD</td>
<td>AnMarie Hipsley, PhD</td>
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<td>Samir I. Sayegh, MD, PhD</td>
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<td>Chirag M. Shah, MD, MPH</td>
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<td>Bibhuti Kashyap, MD, DNB</td>
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THE BEST OF ASCRS 2020 GENERAL SESSION

TUESDAY, MAY 19
10:00 – 11:30 a.m.

THE BEST OF ASCRS 2020 GENERAL SESSION

Moderator: Eric D. Donnenfeld, MD

This not-to-miss wrap-up session will highlight some of the most important and interesting papers presented at the 2020 ASCRS Annual Meeting from among the “Best Paper of Session” winners. Following summary presentations of the best papers, EyeWorld editorial board members will debate the conclusions and implications in a free-flowing panel discussion. This is an excellent opportunity to capture the best of the best!

Presenters:

John Hovanesian, MD
Sumitra Khandelwal, MD
Richard Tipperman, MD
Valerie Trubnik, MD
Roger Zaldivar, MD

Panelists:

Preeya Gupta, MD
Richard Hoffman, MD
Nathan Radcliffe, MD
Vance Thompson, MD
**10:00–11:30 a.m.**

**INSTRUCTIONAL COURSES**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>TIME</th>
<th>INSTRUCTOR(S)</th>
<th>CO-INSTRUCTOR(S)</th>
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</thead>
<tbody>
<tr>
<td><strong>CORNEA</strong></td>
<td>IC-408</td>
<td>2020 Review of New Surgical Technologies and Devices (Presented in Russian)</td>
<td>9:30-11:00 a.m.</td>
<td>Elena Vialova, MD</td>
</tr>
<tr>
<td><strong>CATARACT</strong></td>
<td>IC-409</td>
<td>Phaco in Hard Cataracts: Surgical Pearls and Tips</td>
<td>10:00-11:30 a.m.</td>
<td>Reena Sethi, DO, MS</td>
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<td></td>
<td>IC-410</td>
<td>Three Mistakes of My Life: A Young Ophthalmologist's Perspective</td>
<td>10:00-11:30 a.m.</td>
<td>Saheban S. Sethi, DNB, MS</td>
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<tr>
<td><strong>KERATOOREFRACITIVE</strong></td>
<td>IC-411</td>
<td>Secondary IOLs: Which, How and Why</td>
<td>10:00-11:30 a.m.</td>
<td>Sri Ganesh, MS</td>
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<tr>
<td><strong>KERATOOREFRACITIVE</strong></td>
<td>IC-412</td>
<td>EDOF IOLs in Cataract and Refractive Surgery</td>
<td>10:00-11:30 a.m.</td>
<td>Ramin Khoramnia, MD</td>
</tr>
<tr>
<td><strong>KERATOOREFRACITIVE</strong></td>
<td>IC-413</td>
<td>Keratoconus: A to Zed—What You Really Need to Know about New Treatments for Corneal Ectasia</td>
<td>10:00-11:30 a.m.</td>
<td>Miguel Rechichi, PhD, MD</td>
</tr>
<tr>
<td><strong>KERATOOREFRACITIVE</strong></td>
<td>IC-414</td>
<td>How to Avoid Ectasia after LASIK: Update on New Concepts and Technologies</td>
<td>10:00-11:30 a.m.</td>
<td>Marcony R. Santhiago, MD, PhD</td>
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<tr>
<td><strong>KERATOOREFRACITIVE</strong></td>
<td>IC-415</td>
<td>2020 Best of ASCRS (Presented in Russian)</td>
<td>11:00 a.m.-12:30 p.m.</td>
<td>Oleg V. Shilovskikh, MD</td>
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**OTHER**

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<th>COURSE</th>
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<tr>
<td>IC-410</td>
<td>Three Mistakes of My Life: A Young Ophthalmologist's Perspective</td>
<td>10:00-11:30 a.m.</td>
<td>Saheban S. Sethi, DNB, MS</td>
<td>Lisa B. Arbisser, MD; Douglas D. Koch, MD; David F. Chang, MD; Amar Agarwal, FRCS; Nick Mamalis, MD</td>
</tr>
<tr>
<td>IC-413</td>
<td>Iris Prostheses in Action: Surgical Tips for Challenging Cases</td>
<td>10:00-11:30 a.m.</td>
<td>Michael E. Snyder, MD</td>
<td>Kevin M. Miller, MD; Nicole R. Fram, MD; Samuel Masket, MD; Boris E. Malyugin, MD, PhD; Kenneth J. Rosenthal, MD; Nadezhda A. Pozdeyeva, MD; Sathish Srinivasan, FRCS(Ed), FRCOphth</td>
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**KERATOOREFRACITIVE**

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<tr>
<td>IC-416</td>
<td>2020 Best of ASCRS (Presented in Russian)</td>
<td>11:00 a.m.-12:30 p.m.</td>
<td>Oleg V. Shilovskikh, MD</td>
<td>Zinaida Kataeva, MD; Sergey V. Rebrikov, MD; Oleg Fechin, MD; Oleg Kostin, MD</td>
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## INSTRUCTIONAL COURSES

### CORNEA

**IC-417  Tending the Endothelium: Endothelial Keratoplasty (DSEAK, DMVE, DPEK) or Not (DSO, CECs, Rho kinase)
NEW**

**Instructor:** Soosan Jacob, MS, DNB, FRCS

**Co-Instructors:** Amar Agarwal, FRCS; Ashvin Agarwal, MD; Kathryn Colby, MD, PhD; Deepinder K. Dhalliwal, MD; Francis S. Mah, MD

### CATARACT

**IC-418  Pearls and Pitfalls in Challenging Capsular Surgical Scenarios: Video-Based Course
NEW**

**Instructor:** Rohit Om Parkash, MS

**Co-Instructors:** Amar Agarwal, MS, FRCS, FRCOphth; Kevin M. Miller, MD; Chee Soon Phaik, MD; Soon-Phaik Chee, FRCOphth, FRCS(Ed); Ronald Yeoh, MD; Tushya Om Parkash, MS

### CATARACT

**IC-419  Cataract Surgery Crisis Management 101
NEW**

**Instructor:** Abhay R. Vasavada, MS, FRCS

**Co-Instructors:** Robert H. Osher, MD; Nicole R. Fram, MD; Alan S. Crandall, MD; Michael E. Snyder, MD; Kevin M. Miller, MD

### CATARACT

**IC-420  Best of ASCRS (Presented In Portuguese)
NEW**

**Instructor:** Gustavo V. Baptista, MD, PhD

**Co-Instructors:** Nicolas C. Pereira, MD, PhD; Ricardo M. Nose, MD; Takashi W. Hida, MD, PhD; Bruno M. Fontes, MD, PhD; Durval M. Carvalho Jr., MD

### CATARACT

**IC-421  Mastering MIGS: Pearls for Beginner and Intermediate Surgeons**

**Instructor:** Carlos Buznego, MD

**Co-Instructors:** John P. Berdahl, MD; Thomas W. Samuelson, MD; Jason Bacharach, MD; Inder P. Singh, MD

### KERATO/REFRACTIVE

**IC-423  BYOT: Bring Your Own Topography**

**Instructor:** J. Bradley Randleman, MD

**Co-Instructors:** William J. Dupps Jr., MD, MS, PhD; Marcony R. Santhiago, MD, PhD

### GLAUCOMA

**IC-422  Best of the Best: 2020 Update on Advanced Cataract Surgery**

**Instructor:** Richard L. Lindstrom, MD

**Co-Instructors:** Matteo Piovella, MD; Eric D. Donnenfeld, MD; David F. Chang, MD; Jack T. Holladay, MD
CONTINUING MEDICAL EDUCATION CREDIT

ACCREDITATION STATEMENT
The American Society of Cataract and Refractive Surgery (ASCRS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. ASCRS takes responsibility for the content, quality and scientific integrity of this CME activity.

FINANCIAL INTEREST DISCLOSURE
All faculty members are required to disclose whether they, or their spouses, have any financial interests (or lack thereof) from the past 12 months with a company that produces, markets, resells or distribute ophthalmic products or services consumed by, or used on, patients. Faculty members are also required to disclose such information verbally and on their first slide.

ASCRS considers presenting authors, not co-authors, to be in control of the educational content. As a professional courtesy, ASCRS acknowledges co-authors and all people contributing to the research, regardless of CME control of the live presentation of that content. Though they are acknowledged, co-authors do not have control of the CME content and their disclosures are not published or resolved.

NOTICE ABOUT OFF-LABEL USE PRESENTATIONS
The ASCRS Annual Meeting may include presentations on drugs or devices or uses of drugs or devices that may not have been approved by the Food and Drug Administration (FDA) or have been approved by the FDA for specific uses only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or device he or she wishes to use in clinical practice.

ASCRS is committed to the free exchange of medical education. Inclusion of any presentation in this program, including presentations of off-label uses, does not imply an endorsement by ASCRS of the uses, products or techniques presented.

Visit https://annualmeeting.ascrs.org/ for up to date programming information and registration details.

ASCRS PROGRAM

ASCRS ANNUAL MEETING EDUCATIONAL OBJECTIVES
Upon completion of the ASCRS Annual Meeting, participants should be able to:

• Recognize and discuss current and advanced treatment strategies for anterior segment surgery, and corneal, glaucoma and retinal conditions.

• Identify the latest developments and advances in techniques and technology within anterior segment surgery and comprehensive ophthalmology.

• Identify complicating factors in anterior segment surgery and develop appropriate treatment plans.

• Practice hands on surgical skills and techniques in Skills Transfer Labs.

• Examine external legislative issues and internal business practice issues affecting the field of ophthalmology.

DESIGNATION STATEMENT
The American Society of Cataract and Refractive Surgery designates the ASCRS and ASOA programs within this live educational activity for a maximum of 35 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

All CME activities approved for AMA PRA Category 1 Credit™ are valid for recognition by the European Accreditation Council for Continuing Medical Education (EACCME). Physicians not licensed in the U.S. who participate in this CME activity are eligible for AMA PRA Category 1 Credit™.

Physicians can claim CME credit up to the maximum listed above for attending the Physicians Program (ASCRS), including scientific films and posters on-demand, scientific papers, courses, symposia and general sessions), the Practice Management (ASOA) Program, or a combination thereof.

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

Note: All attendees must have their badges printed onsite to be verified as eligible for credit.

SELF-ASSESSMENT CREDIT
ASCRS will be applying for Self-Assessment Credit with the American Board of Ophthalmology (ABO) for some of its educational sessions. Details will be provided as they become available.
ASCRS SUBSPECIALTY DAY

ASCRS REFRACTIVE DAY

TARGET AUDIENCE
Comprehensive ophthalmologists; refractive, cataract and corneal surgeons who are performing cataract and refractive surgery.

EDUCATIONAL OBJECTIVES
Upon completion of ASCRS Refractive Day, attendees should be able to:
• Evaluate the efficacy of advanced and conventional technologies to improve the preoperative evaluation and postoperative results of patients undergoing cornea and lens based refractive surgery.
• Develop a decision tree treatment plan for patients interested in reduced dependence on spectacles that evaluates the risks and benefits of different cornea and lens based surgical options.
• Learn the prevention and management of suboptimal visual results following lens and cornea based refractive surgery.
• Understand the advantages and disadvantages of new refractive IOL and cornea technology such as trifocals, extended depth of focus IOLs, topographic and wavefront ablations, and SMILE.

DESIGNATION STATEMENT
The American Society of Cataract and Refractive Surgery designates this live activity for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

All CME activities approved for AMA PRA Category 1 Credits™ are valid for recognition by the European Accreditation Council for Continuing Medical Education (EACCME). Physicians not licensed in the U.S. who participate in this CME activity are eligible for AMA PRA Category 1 Credits™.

CLAIM CME/CE CREDITS
Attendees will be able to evaluate ASCRS Refractive Day 2020 through the Claim CME/CE Credit Stations and the meeting app. Once the evaluation is complete, attendees can print or email a copy of the certificate for continuing education credits for that day. If the evaluations are not completed during the meeting, there will be the opportunity to complete until May 28, 2020.

ASCRS GLAUCOMA DAY

TARGET AUDIENCE
Practicing ophthalmologists who care for patients with glaucoma and related disorders.

EDUCATIONAL OBJECTIVES
Upon completion of ASCRS Glaucoma Day, attendees should be able to:
• Effectively evaluate current and new diagnostic testing modalities to assist in the early diagnosis of the glaucoma patient and glaucoma suspect as well as disease progression.
• Make treatment decisions using evidence-based recommendations regarding the use of medical and laser therapies for the treatment of glaucoma.
• Evaluate best phacoemulsification treatment options and considerations for patients with complex, pre-existing and advance glaucoma.
• Compare recent and emerging microinvasive glaucoma surgical (MIGS) options.
• Integrate pearls to improve glaucoma surgical outcomes.
• Implement strategies to manage glaucoma surgical challenges.

DESIGNATION STATEMENT
The American Society of Cataract and Refractive Surgery designates this live activity for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

All CME activities approved for AMA PRA Category 1 Credits™ are valid for recognition by the European Accreditation Council for Continuing Medical Education (EACCME). Physicians not licensed in the U.S. who participate in this CME activity are eligible for AMA PRA Category 1 Credits™.

CLAIM CME/CE CREDITS
Attendees will be able to evaluate ASCRS Glaucoma Day 2020 through the Claim CME/CE Credit Stations and the meeting app. Once the evaluation is complete, attendees can print or email a copy of the certificate for continuing education credits for that day. If the evaluations are not completed during the meeting, there will be the opportunity to complete until May 28, 2020.
REGISTRATION INFORMATION

REGISTRATION CATEGORIES

U.S. PHYSICIAN/INTERNATIONAL PHYSICIAN
An MD, PhD or DO who is a current member of ASCRS. Registration fee does not include annual membership dues. Membership must be valid through May 31, 2020. (Note: An MD, PhD or DO who is a member of ASOA only must join ASCRS and pay appropriate membership dues to attend ASCRS sessions.)

U.S. YOUNG PHYSICIAN
A U.S. MD or DO who is in his or her first five years of practice and who is a current member. Membership must be valid through May 31, 2020.

U.S. RESIDENT OR U.S. FELLOW
An MD or DO who is currently in a residency or fellowship program in the United States. A current letter of verification from department chair or fellowship sponsor must be submitted to registration@ascrs.org. Your registration will not be complete until your residency/fellowship documentation has been received and approved. All residency/fellowship documentation must be received by April 28, 2020, to be eligible for the discounted rate. Residents or fellows who register onsite will incur full registration fees.

INTERNATIONAL RESIDENT (MEMBER IN TRAINING)
Members in training must provide, in English, current proof of residency signed by the program director and a copy of a government picture ID noting birthdate (not to exceed age 35).

INTEGRATED EYECARE OPTOMETRIST
Optometrists (ODs) can register under this category only and must certify employment by one of the following:

- Ophthalmologist
- Medical school (not a college of optometry)
- Managed-care provider
- Military
- Industry/manufacturer
- Corporate center (TLC, LCA, etc.)

Attendance at or participation in ASCRS and ASOA Annual Meeting programs, events, courses, presentations or other activities does not qualify an optometrist to perform surgery, does not qualify as continuing medical education and does not justify claims to surgical expertise or licensure.

INDUSTRY REPRESENTATIVE
Manufacturers and other corporate personnel who do not have exhibit space but wish to attend the Annual Meeting. No solicitation is permitted. This includes attendees who plan on attending the exhibit hall only. Physicians may not register in this category.

SPOUSE/PARTNER/CHILD
Guests 21 years of age and over are required to pay a registration fee. Fee includes badge, printed program, Exhibit Hall entrance, Welcome Party, ASOA Celebration and the ASCRS Film Festival Awards Ceremony.

This badge is limited to spouse, guest, relative or other individuals accompanying an ASCRS attendee. Members, potential members or staff will not be considered under the guest registration category. Physicians may not register in this category. Entrance into sessions/courses is not included.

PRESS
For registration information, please contact press@ascrs.org.

Visit https://annualmeeting.ascrs.org/plan-your-trip/exhibit-hall-information to pre plan exhibit booth visits!
HALLS A-B, EXHIBIT LEVEL 0
Saturday, May 16 | 9:00 a.m. – 6:00 p.m.
Sunday, May 17 | 9:00 a.m. – 6:00 p.m.
Monday, May 18 | 9:00 a.m. – 5:00 p.m.

Visit our world-class exhibit hall featuring products and services being represented by over 300 participating industry companies. The exhibit hall will be located in Halls A-B of the Boston Convention & Exhibition Center. Open for a total of 26 hours during the Annual Meeting, don’t miss the opportunity to connect with our exhibitors! Prior to your arrival in Boston, you can search and save the exhibitor list by company name or specific product listing by visiting our meeting website https://annualmeeting.ascrs.org/.

Be sure to join us on Saturday, May 16 from 4:30 - 6 p.m. at the ASCRS and ASOA Welcome Party taking place in the exhibit hall. There will be music and complimentary hors d’oeuvres and refreshments for you to enjoy while networking with exhibitors in a relaxed, fun environment.

Given its ongoing commitment to add value to attendees, ASCRS will debut a number of unique, engaging, and interactive learning formats on the exhibit floor.

ASCRS TAP ROOM
The ASCRS Tap Room offers a forum where ASCRS and the American Society of Ophthalmic Administrators (ASOA) attendees can grab a drink, learn about the latest technologies, devices, products and services and network with friends and colleagues. Participating companies will share information with attendees and engage in a facilitated Q&A session. Strategically placed within the exhibit hall, The ASCRS Tap Room creates a comfortable, welcoming environment for attendees to learn new technologies and techniques while networking with colleagues and industry representatives.

TOUR OF EXCELLENCE
New in 2020, ASCRS will host the Tour of Excellence. Residents, fellows and young physicians will be guided through the exhibit hall and facilitate introductions on the exhibiting companies. These guided tours offer current and emerging ophthalmic leaders the opportunity for hands-on interaction with premier technologies.

To plan your time in the exhibit hall visit https://annualmeeting.ascrs.org/plan-your-trip/exhibit-hall-information
<table>
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<tr>
<th>NEW</th>
<th>EXHIBITOR</th>
<th>PRODUCT CATEGORIES</th>
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<tbody>
<tr>
<td></td>
<td>Aaren Scientific</td>
<td>Intraocular Lenses; IOL Delivery System; Lens Injection Systems</td>
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<td>AdvancedMD</td>
<td>Computer Software; Electronic Medical Records; Practice Management; Revenue Cycle Management</td>
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<td>Advice Media</td>
<td>A-Scans; Aberrometers; Accrediting Organization; Advertising Specialty; AMARIS Excimer Laser; Amniotic Tissue; Anesthesia Staffing &amp; Management; Appointment Reminders</td>
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<td>Aerie Pharmaceuticals, Inc.</td>
<td>Glaucoma Treatment</td>
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<td>Akorn, Inc.</td>
<td>Dry Eye Products; Pharmaceutical Products</td>
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<td>Alcon</td>
<td>Cataract Surgery; Diagnostic Equipment; Dry Eye Products; Intraocular Lenses; Microscopes; Patient Education; Refractive Systems</td>
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<td>Allergan Medical Affairs</td>
<td>Dry Eye Products; Glaucoma Treatment; Medical Devices; Pharmaceutical Products; Research &amp; Development; Retinal Implants</td>
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<td>Allergan, Inc.</td>
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<td>ALPHAEON CREDIT</td>
<td>Patient Financing</td>
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<td>American Academy of Ophthalmology</td>
<td>Education/Training; Non-Profit Organization; Patient Education; Patient Information Materials; Physician Recruiting &amp; Placement; Practice Management; Publication</td>
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<td>Appasamy Associates</td>
<td>A-Scans; Capsular Tension Rings; Cataract Surgery; Diagnostic Equipment; Intraocular Lenses; Laser/Laser Services; Surgical Instruments; Viscoelastics</td>
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<td>ArcScan, Inc.</td>
<td>Clinical Research Organization; Corneal Marking; Digital Imaging Systems; Glaucoma Devices; Medical Devices; Ophthalmic Instruments; Refractive Systems; Ultrasound Equipment</td>
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<td>AST Products, Inc.</td>
<td>Cataract Surgery; Intraocular Lenses; IOL Delivery System; Medical Devices; Surgical Disposables; Surgical Equipment; Surgical Instruments</td>
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<td>AUROLAB</td>
<td>Capsular Tension Rings; Dry Eye Products; Medical Devices; Ophthalmic Knives; Surgical Kits; Vision Charts</td>
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<td>Aurora Surgical, LLC</td>
<td>Cataract Surgery; Hand-Held Instrument; Ophthalmic Instruments; Ophthalmic Knives; Phacoemulsification Products; Surgical Instruments; Surgical Supplies; Trephines</td>
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<td>Avellino Labs</td>
<td>DNA Testing; Gene Therapy</td>
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<td>Bausch + Lomb</td>
<td>Hand-Held Instrument; Laser/Laser Services; Ophthalmic Instruments; Phacoemulsification Products; Refractive Systems; Surgical Instruments</td>
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<td>Bioniko</td>
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## ASCRS EXHIBITORS

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<td></td>
<td>BioTissue</td>
<td>Amniotic Tissue; Biologics; Corneal Cross-Linking; Corneal Tissue; Ocular Surface Solutions; Regenerative Medicine</td>
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<td>BlephEx</td>
<td>Disposable Supplies; Dry Eye Products; Medical Devices; Medical Equipment</td>
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<td>Blythe Medical</td>
<td>Amniotic Tissue; Biologics; Blink Lubricating Eye Drops; Dry Eye Products; Regenerative Medicine</td>
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<td>Brazilian Association of Cataract and Refractive Surgery</td>
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<td>Brevium, Inc.</td>
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<td>Bruder Healthcare Company</td>
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<td>Business Management; Consulting Services; Education/Training; Patient Flow Consultant; Physician Recruiting &amp; Placement; Practice Consulting; Practice Management; Practice Sales</td>
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<td>BVI</td>
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<td>Caliber Ophthalmics- Division of Surgical Specialties Corp.</td>
<td>Cannulas; Cataract Surgery; Glaucoma Devices; Ophthalmic Knives; Punctum Plugs; Surgical Instruments; Sutures; Trephines</td>
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<td>Ophthalmology Management / PentaVision</td>
<td>Market Research; Marketing; Publication; Publisher; Video; Web Marketing</td>
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<td>OptiCall Inc.</td>
<td>Appointment Reminders; Call Center; Email Systems; Staff Training</td>
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<td>Optimetrics Inc./Jaggi Inc.</td>
<td>Diagnostic Equipment; Diagnostic Non-Contact Lenses; Digital Imaging Systems; Ophthalmic Instruments; Surgical Instruments; Tonometers; Video Imaging Recording</td>
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<td>Optos Inc.</td>
<td>Diagnostic Equipment; Medical Devices; Retinal Photography</td>
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<td>Optovue, Inc.</td>
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<td>P.S.T Corp</td>
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<td>Frames/Sunglasses; Low Vision Products; Post-Op Sunglasses &amp; Kits; Protective Eye Guards</td>
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<td>Plasmapp Co., Ltd</td>
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<td>Prescott’s Inc.</td>
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<td>Precision Vision, Inc.</td>
<td>Computer Software; Glaucoma Pressure; Low Vision Products, Macular Degeneration; Optical Supplies; Tonometers; Vision Charts; Vision Testing Systems</td>
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<td>PRN Physician Recommended Nutriceuticals</td>
<td>Dry Eye Products; Nutriceuticals; Vitamins</td>
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<td>Quantel Medical</td>
<td>A-Scans; Cataract Surgery; Corneal Disease Diagnosis; Diagnostic Equipment; Dry Eye Products; Glaucoma Treatment; Laser Treatment Lenses; SLT Lasers</td>
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## ASCRS EXHIBITORS

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<tr>
<th>NEW</th>
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<th>PRODUCT CATEGORIES</th>
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<tr>
<td></td>
<td>Quidel Corporation</td>
<td>Diagnostic Equipment; Disposable Supplies; Dry Eye Products; Lid &amp; Lash Cleansers; Lid &amp; Lash Hygiene; Medical Devices; Ocular Surface Solutions; Rapid Point of Care Diagnostics Tests</td>
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<td>Rayner</td>
<td>Intraocular Lenses; IOL Delivery System</td>
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<td>NEW</td>
<td>Red Spot Interactive</td>
<td>Call Center; Computer Software; Creative Services; Internet Marketing; Marketing; Web Marketing; Website Design Services</td>
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<td>Reichert Inc.</td>
<td>Diagnostic Equipment; Exam Room Furniture/Equipment; Ophthalmic Instruments; Vision Charts</td>
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<td>Renda</td>
<td>Education/Training; Marketing; Patient Education; Patient Management; Practice Sales; Workflow Optimization</td>
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<td></td>
<td>RET, Inc.</td>
<td>IOL Delivery System</td>
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<td>Review of Ophthalmology</td>
<td>Publication; Publisher</td>
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<td>Rose Micro Solutions</td>
<td>Cataract Surgery; Examination Accessories; Lab Equipment; LED Light Source; Loupes; Microscopes; Surgical Equipment; Surgical Supplies</td>
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<td>RUMEX International Co.</td>
<td>Intraocular Lenses; Ophthalmic Instruments; Ophthalmic Knives; Ophthalmic Safety Knife; Viscoelastics</td>
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<td>S4OPTIK</td>
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<td>Santen Inc.</td>
<td>Glaucoma Devices; Glaucoma Treatment</td>
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<td>SCHWIND eye-tech-solutions GmbH</td>
<td>AMARIS Excimer Laser; Corneal Topography Systems; Diagnostic Equipment; Laser/Laser Services; Presbyopia Correction; Refractive Systems</td>
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<td>Scope Health</td>
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<td>sea-change, inc.</td>
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<td>Sight Sciences</td>
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<td>Corneal Tissue; Femtosecond Laser; Research &amp; Development; Sclera</td>
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<td>Cataract Surgery; Femtosecond Laser; Laser/Laser Services; LASIK Supplies; Marketing; Phacoemulsification Products; PRK &amp; LASIK Supplies</td>
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<td>Sihong Ophsurin Co., Ltd</td>
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<td>SMHC/Associated Eye Care</td>
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<td>Sometech, Inc.</td>
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<td>Sonomed Escalon</td>
<td>A-Scans; Diagnostic Equipment; Digital Imaging Systems; Hand-Held Instrument; Medical Devices; Refractive Systems; Tonometers; Ultrasound Equipment</td>
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<td>Communication Technology; Email Systems; Patient Education; Patient Information Materials; Patient Management; Patient Surveying</td>
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<td>Speedway Surgical Co.</td>
<td>Cannulas; Capsular Tension Rings; Diamond Scalpels; Dry Eye Products; Loupes; Ophthalmic Instruments; Ophthalmic Knives; Surgical Instruments</td>
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<td>STAAR Surgical</td>
<td>Cataract Surgery; Disposable Injectors; Intraocular Lenses; IOL Delivery System</td>
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<td>Stephens Instruments/USIOL</td>
<td>Intraocular Lenses; Surgical Instruments; Viscoelastics</td>
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### ASCRS EXHIBITORS

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<tr>
<th>NEW</th>
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<th>PRODUCT CATEGORIES</th>
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<td>Sterimedix</td>
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<td>SUN OPHTHALMICS</td>
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<td>Surgilum</td>
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<td>Surgistar Inc.</td>
<td>Cannulas; Cataract Surgery; Corneal Transplant Instrumentation; Ophthalmic Knives; Ophthalmic Safety Knife; Trephines</td>
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<td>TearLab Corporation</td>
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<td>The Dry Eye Doctor, Inc.</td>
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<td>The Eye Group</td>
<td>Practice Management; Recruiting &amp; Staffing</td>
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<td>The Lebanon Corporation</td>
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<td>The Ophthalmologist</td>
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<td>ThinkMed Consulting</td>
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<td>TITAN MEDICAL LLC</td>
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<td>TITAN SURGICAL USA INC</td>
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<td>Tomey Corporation</td>
<td>Corneal Tissue; Corneal Topography Systems; Dry Eye Products; Refractive Systems; Tonometers</td>
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<td>Aberrometers; Corneal Topography Systems; Desktop Topographer; Dry Eye Products; Handheld Topographer; WaveScan Wavefront System</td>
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<td>Exam Room Furniture/Equipment; Medical Devices; Medical Equipment; Surgical Stretchers; Surgical Tables &amp; Stools</td>
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<td>Trefoil Therapeutics, Inc.</td>
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<td>Vision Associates Optical Management</td>
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<td>Vision Group Holdings</td>
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<td>VISION TIFFANY INC</td>
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<td>Volk Optical Inc.</td>
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<td>Weave</td>
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<td>Wilson Ophthalmic, a Hilco Vision Company</td>
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<td>WinFame USA Inc</td>
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<td>Wolters Kluwer</td>
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<td>Zeiss</td>
<td>Cataract Surgery; Diagnostic Equipment; Glaucoma Devices; Intraocular Lenses;</td>
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<td>Zepto (Mynosys)</td>
<td>Cataract Surgery; Medical Devices</td>
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<td>Ziemer Ophthalmics</td>
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HOTEL RESERVATIONS
Through our official housing partner, onPeak, we provide reduced hotel rates during the 2020 ASCRS Annual Meeting. To obtain the ASCRS discounted rates at your preferred hotel, we strongly encourage you to make your reservations as soon as possible. Reservations are on first-come, first-serve basis and hotels with lower rates will sell out quickly.

Reservations can be made through onPeak at ascrs.org/gethotel

If you need additional assistance or want to make your reservations over the phone, agents can be reached at (800) 370-8282 or (312) 527-7300 Local/International.

Notice: Beware of unauthorized hotels and poachers!
The one and only official hotel provider for the ASCRS Annual Meeting is onPeak.

Be careful providing your financial information to any other company claiming to be affiliated with ASCRS. Avoid poachers by booking your hotel at ascrs.org/gethotel

WHY BOOK THROUGH ONPEAK?
ASCRS negotiates special rates with the most convenient hotels and recognizes that attendees have many options in a variety of rate ranges when making hotel decisions. It is important you take a few minutes to understand the importance of selecting an official ASCRS hotel.

• ASCRS hotel contracts protect you. Booking within the ASCRS hotel block gives us the opportunity, if the need does arise, to assist you with any hotel problem you may experience while at the meeting. When you choose other hotels or book through a third-party site, we have no way to help rectify a problem or inconvenience that you may encounter.

• Networking opportunities. Many ASCRS attendees will spend time in the hotel lobby, hotel restaurants, and hotel bars, which allows for more convenient meetings as well as opportunities for chance encounters with colleagues you may not have met otherwise.

Should you have any questions, onPeak staff is available to help you by phone at (800) 370-8282 or (312) 527-7300.

HOTEL ACKNOWLEDGEMENTS
Confirmations will be emailed within 72 hours of receiving your reservation request.

CANCELLATIONS
Payment Guarantee: No changes are incurred at the time of booking; however, a payment guarantee in the amount of one night’s stay at the confirmed hotel plus current tax of up to 12.8%* is required to hold your reservation. The hotel will charge payment to the credit card provided upon check-in. Please refer to your confirmation for full details, which may vary per hotel.

*Note: City and local tax rates are subject to change.

SUITES
Attendees can request information on sleeping suite availability by contacting onPeak.

Requests for suites for purposes other than sleeping must go through the ASCRS office. Contact the Meetings Department by phone, (703) 591-2220, or email affiliatemeetings@ascrs.org.

TRAVEL
ASCRS has negotiated discounted rates for travel to and from the meeting. More information will continually be made available at AnnualMeeting.ascrs.org

VISA INFORMATION
For information on visa procedures, visit AnnualMeeting.ascrs.org.

Visit https://annualmeeting.ascrs.org/ for up to date programming information and registration details.