PROGRAM PREVIEW

REGISTER NOW FOR THE BEST RATES

TIER ONE DEADLINE
WEDNESDAY, FEBRUARY 6

TIER TWO DEADLINE
WEDNESDAY, APRIL 3

For detailed program information visit the Real Time Program at ascrs.org/program19.
2019 RUN for SIGHT
5K | mile walk
SAN DIEGO, CA

The Run for Sight is sponsored by
Johnson & Johnson VISION

Join Us for the 7th Annual ASCRS Foundation Run for Sight

6:30 a.m., Sunday, May 5 • San Diego

ASCRS • ASOA Annual Meeting
www.tracs.net/ascrs5k

Your Run for Sight registration fee will help provide humanitarian eye care through ASCRS Foundation programs and partnerships. This year, the ASCRS Foundation will provide free eye care to more than 25,000 patients in need in the United States and abroad.
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ASCRS ASOA
MEETINGS
APP

AVAILABLE MARCH 3!

Get the latest meeting updates on any device, anywhere.

- Build your customized meeting schedule
- Plan your exhibit hall experience
- View and download course handouts
- Map your route through the convention center
...and more!

Plus, new for 2019
ASCRS SUBSPECIALTY DAY APP!

More details to follow:
ANNUALMEETING.ASCRS.ORG

ASCRS ASOA
ANNUAL MEETING
MAY 3-7 • 2019 | SAN DIEGO
ASCRS Roundtables are an opportunity for attendees to meet with experts in an informal setting to examine issues as they relate to cataract surgery, IOLs, refractive surgery, cornea and glaucoma.

Participation is **FREE** for all ASCRS program attendees. Space is limited. Advance registration is required.
The Winning Pitch Challenge symposium
Sunday, May 5 | The 2019 ASCRS•ASOA Annual Meeting
3:00 – 4:30 PM

This new and unique session gives you the opportunity to bring innovation to the field of anterior segment surgery.

During the symposium, selected finalists will present their pitch live to the judges. Interested in being a finalist? The Winning Pitch Challenge is currently accepting Round 1 submissions.

ROUND 1 SUBMISSION DEADLINE:
Monday, February 18, 2019

ENTER TODAY!

The all new Winning Pitch Challenge symposium allows today’s entrepreneurs the opportunity to share tomorrow’s innovative ophthalmic solutions with leading experts in the field. The winner receives $10,000 and guidance from experts to operationalize the concept!

Creative, transformative, groundbreaking ideas are being accepted through February 18, 2019. Detailed submission information and application are available online: winningpitchchallenge.net

CME Credit is not available for this session.
ASCRS is pleased to announce the expanded ESSENTIALS for the 2019 Annual Meeting. The ESSENTIALS is an educational track designed for ophthalmologists at all experience and skill levels. The ESSENTIALS will focus on indispensable concepts for anterior segment surgery and proven techniques to enhance patient outcomes.

EXPANDED FOR 2019

Topics covered in the ESSENTIALS for 2019 include:

- Refractive Cataract Essentials Symposium [NEW]
- Glaucoma Essentials Symposium
- Retina Essentials for the Cataract Surgeon Symposium
- YES Essentials Symposium [NEW]
- IOL Calculation Essentials Symposium
- Astigmatism Management Essentials Symposium
- Cornea Essentials Symposium
- Crosslinking Essentials Symposium
- ASCRS TOPGUN Symposium – Essential Pearls from the Best International Phaco Instructors [NEW]
CareCredit Lunch & Program

Identifying and Using Big & Small Data to Drive Practice Strategies & Patient Engagement

Compliments of CareCredit, featuring insights from Practice Peers, Industry Key Opinion Leaders and CareCredit & Industry Insights.

Sunday, May 5, 2019, 11:30 a.m.–1:00 p.m.
Upper Level, Room 29BCD

With the availability of data, practitioners can enhance their practice goals and drive deeper consumer/patient engagement with measurable results. Listening and utilizing industry experts, this “Lunch and Learn” event will explore available ophthalmic industry, consumer, and practice data sources used by the experts to help practice administrators and physicians set the strategic direction for their practice. Open to US administrators, practice managers, and physicians.

Limited Seating. Register Today.

AnnualMeeting.ascrs.org
ASCRS and ASOA come together for the largest U.S. meeting dedicated to the needs of anterior segment surgeons, practice management staff, and ophthalmic technicians and nurses. The combined forces of these two leading ophthalmic organizations provide all the hands-on education and training necessary for your entire practice. Join us May 3–7, 2019 in San Diego, CA for:

- More than 1,300 ASCRS and ASOA presentations and online post-meeting resources
- Innovative lectures on surgical techniques and technologies
- An educational track dedicated exclusively to the Essentials, fundamental techniques that are critical for ophthalmic success
- The ASCRS Program offers up to 38 credits; the ASOA Program offers up to 25.5 credits
- Special programming and networking events for Young Eye Surgeons (YES)— residents, fellows and surgeons in their first five years of practice
- Unlimited access to ophthalmology’s most established practice management program, including roundtables, consultations and legislative and regulatory updates
- Quality clinical and surgical offerings for technicians and nurses
- Business courses selected for ophthalmologists to increase practice efficiency
- Scientific discussions and interactive panels
- Exhibit hall entry to interact with more than 300 ophthalmology industry exhibitors

Enhance your experience with additional programming opportunities taking place Friday, May 3, including ASCRS Subspecialty Day (ASCRS Glaucoma Day, ASCRS Refractive Day and Cornea Day), ASOA Pre-Conference Deep Dives, ATPO COA/COT/COMT Exam Review Sessions and ATPO Train the Trainer. Attendees can also earn CME credits by registering for EyeWorld Educational Symposia.
ASCRS•ASOA CREDITS
CONTINUING MEDICAL EDUCATION / CONTINUING EDUCATION CREDIT

ASCRS PROGRAM

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.

EDUCATIONAL OBJECTIVES
Ophthalmologists attending the ASCRS•ASOA Annual Meeting will have the opportunity to:

• Incorporate the latest developments for the management of multiple ocular conditions within the various ophthalmic specialties
• Incorporate current and advanced treatment strategies for ocular conditions, including anterior segment and refractive surgery, glaucoma and retinal conditions
• Identify complicating factors in anterior segment surgery
• Develop appropriate treatment plans to address complicating factors pre-, peri- and post-operatively
• Compare and contrast ophthalmic treatments and technology
• Integrate prescribed medical and surgical treatment options into everyday practice
• Examine external legislative and internal 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 38 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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.

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 distributes 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.

ASCRS SUBSPECIALTY DAY

ASCRS REFRACTIVE DAY*

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

EDUCATIONAL OBJECTIVES

• Appropriate preoperative refractive surgery screening and evaluation of the efficacy of treatment options to improve surgical outcomes.
• Analyze the role of advanced technology within refractive cornea and lens-based surgery.
• Incorporate alternative or new approaches to reduce risks and complications.
• Evidenced based evaluation of lens-based treatment options to maximize patient outcomes.

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

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.

*Separate registration and fee required
SUBSPECIALTY DAY | CONTINUING MEDICAL EDUCATION

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™*.

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 distributes 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.

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CLAIM CME/CE CREDITS

Computers with internet access will be available onsite so attendees can evaluate the 2019 ASCRS Refractive Day Program online through the Claim CME/CE Credit Stations. When the evaluation is complete, a copy of the certificate for continuing education credits/hours for that day can be printed. If attendees do not complete the evaluation during the meeting, they will have the opportunity to complete them at home.

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.

ASCRS GLAUCOMA DAY*

TARGET AUDIENCE

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

*Separate registration and fee required

EDUCATIONAL OBJECTIVES

- 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 advanced glaucoma.
- Compare recent and emerging microinvasive glaucoma surgical (MIGS) options.
- Integrate pearls to improve glaucoma surgical outcomes.
- Implement strategies to manage glaucoma surgical challenges.

ACCREDITATION STATEMENT

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

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™*. 
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 distributes 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.

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CLAIM CME/CE CREDITS
Computers with internet access will be available onsite so attendees can evaluate the 2019 ASCRS Glaucoma Day Program online through the Claim CME/CE Credit Stations. When the evaluation is complete, a copy of the certificate for continuing education credits/hours for that day can be printed. If attendees do not complete the evaluation during the meeting, they will have the opportunity to complete them at home.

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.

CORNEA DAY*
TARGET AUDIENCE
Practicing ophthalmologists who care for patients with corneal-related conditions.

EDUCATIONAL OBJECTIVES
• Evaluate how to integrate crosslinking into practice.
• Compare and contrast modalities for ocular surface reconstruction.
• Implement strategies to identify and efficiently manage patients with ocular surface disease/dry eye disease preoperatively.

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 distributes 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.

CLAIM CME/CE CREDITS
Computers with internet access will be available onsite so attendees can evaluate the 2019 Cornea Day Program online through the Claim CME/CE Credit Stations. When the evaluation is complete, a copy of the certificate for continuing education credits/hours for that day can be printed. If attendees do not complete the evaluation during the meeting, they will have the opportunity to complete them at home.

*Separate registration and fee required
NOTICE ABOUT OFF-LABEL USE PRESENTATIONS
This program 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/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.

ASOA PROGRAM
EDUCATIONAL OBJECTIVES
At the conclusion of the program, ASOA Annual Meeting attendees will be able to:
• Discuss various aspects of business management and integrate adjustments to practices as necessary
• Describe and implement adjustments to policies and procedures related to human resource management
• Assess leadership qualities and practices and apply concepts
• Evaluate current practice marketing campaigns and efforts and recommend improvements where possible
• Describe advancements in electronic health records and health information technologies
• Summarize the latest compliance and coding updates

CONTINUING EDUCATION CREDIT
ASOA designates this activity for a maximum of 25.5 credits (COE and CME). Attendees should claim only the credit commensurate with the extent of their participation in the activity. Various continuing education credit types are offered for the 2019 program:
• American Academy of Professional Coders (AAPC)
  ASOA has applied to provide AAPC continuing education credit for practice management courses in multiple ASOA knowledge pathways.
• Certified Ophthalmic Executive (COE)
  Attendees: The ASOA Annual Meeting on Ophthalmic Practice Management qualifies for COE Category A credits. All attendees seeking COE credits MUST be registered for the ASOA program or the Joint ASOA/Technicians & Nurses program.

Speakers: ASOA designates this activity for a maximum of 18 COE Category C credits.

Attendees registered as exhibitors and guests may not claim education credits for this program.

TECHNICIANS & NURSES PROGRAM
CLAIM IJCAHPO CREDITS
For the Technicians & Nurses Program, evaluations will be distributed at the beginning of each day and collected at the conclusion of each day. IJCAHPO/CA BRN/OPS and AOC credits will be processed and claimed directly through IJCAHPO.

INTERNATIONAL JOINT COMMISSION ON ALLIED HEALTH PERSONNEL IN OPHTHALMOLOGY, CALIFORNIA BOARD OF REGISTERED NURSING, OPHTHALMIC PHOTOGRAPHERS’ SOCIETY AND AMERICAN ORTHOPTIC COUNCIL (IJCAHPO/CA BRN/OPS/AOC)
The Technicians & Nurses Program has been approved for credit by IJCAHPO, and is CA BRN approved for select courses. AOC and OPS credits are pending. A maximum of 21 (IJCAHPO Group A) credits are available for this program. All credits awarded will appear in the Final Program.

Additionally, allied ophthalmic personnel can earn continuing education credits in IJCAHPO Group B by attending physician courses/symposia/paper sessions at ASCRS that are designated for "AMA PRA Category 1 Credit™”. The following criteria applies: COAs and COTs receive 1 credit for 2 hours attended; COMTs receive 1 credit for 1 hour attended.

IJCAHPO is an approved provider by the California Board of Registered Nursing, Provider #13516, for Contact Hours. All attendees seeking IJCAHPO/OPS/AOC credits MUST be registered for the Technicians & Nurses Program or the joint ASOA/Technicians & Nurses Program. Attendees registered as exhibitors or guests may not claim education credits for this program.

CLAIM CME/CE CREDITS
Computers with internet access will be available onsite so attendees can evaluate ASCRS and/or ASOA programs online through the Claim CME/CE Credit Stations. When the evaluation is complete, a copy of the certificate for continuing education credits/hours for that day can be printed. If attendees do not complete the evaluations during the meeting, they will have the opportunity to complete them at home.
With expanded programming in 2019, the ASCRS Annual Meeting provides numerous opportunities for you to attend educational sessions and earn up to 53 CME credits.

More ways to learn. More ways to earn CME credits:

- **38** CME credits by attending ASCRS sessions Saturday through Tuesday.
- **7.5** credits by attending ASCRS Subspecialty Day on Friday.
- **7.5** additional credits by attending EyeWorld Satellite Education Programs.
- **7.5** SACME credits submitted to the American Board of Ophthalmology (ABO) for approval of Self-Assessment Credit.

ASCRS is your destination for high-quality continuing medical education.

ASCRS is accredited by the Accreditation Council for Continuing Medical Education to provide AMA PRA Category 1 Credit™ for physicians.

AnnualMeeting.ascrs.org
The American Society of Cataract and Refractive Surgery (ASCRS) is the largest U.S. society dedicated exclusively to meeting the needs of anterior segment surgeons. At the 2019 Annual Meeting, forty-percent of the clinical content and instructional courses will be new and exciting programming from which attendees can choose. ASCRS The Voice of Ophthalmology returns for Season 2, and the new Winning Pitch Challenge symposium will bring innovation to the field of ophthalmology. Several Special Interest Symposia will also be offered, as well as a new Expanded Essentials educational track. The Young Eye Surgeons will have intensive hands-on training during the ASCRS Young Eye Surgeons (YES) Skills Transfer Lab, and Skills Transfer Labs and the ASCRS Roundtables: Meet the Experts will offer unparalleled networking opportunities for all. Whether you are just beginning your ophthalmic career or have been practicing for decades, ASCRS meeting programming will provide the tools needed to sustain a thriving ophthalmic practice.

ASCRS ANNUAL MEETING + ASCRS SUBSPECIALTY DAY

Select the “ASCRS•ASOA Annual Meeting + ASCRS Subspecialty Day” category,* which provides you with full access to ASCRS programming including instructional courses, symposia and Friday’s ASCRS Subspecialty Day programming. Plus, physician registrants for the Annual Meeting and ASCRS Subspecialty Day will receive on-demand access to sessions, lectures and symposia within 48 hours, ensuring full access to this exceptional meeting.

For detailed program information view the Real-Time Program at ascrs.org/program19

*Does not include Skills Transfer Labs
# ASCRS PROGRAM AND EVENTS

## THURSDAY, MAY 2
- **6:00 a.m.** Registration
- **7:00 a.m.** ASCRS Refractive Day*
- **8:00 a.m.** ASCRS Glaucoma Day*
- **9:00 a.m.** Cornea Day*
- **10:00 a.m.** E-Posters and Films on Demand
- **11:00 a.m.** Young Eye Surgeons Skills Transfer Lab*
- **12:00 p.m.** ASCRS Subspecialty Day Exhibit Hall
- **1:00 p.m.** YES Connect Lounge
- **2:00 p.m.** ASCRS eyePAC Reception

## FRIDAY, MAY 3
- **6:00 a.m.** Registration
- **7:00 a.m.** ASCRS Refractive Day*
- **8:00 a.m.** ASCRS Glaucoma Day*
- **9:00 a.m.** Cornea Day*
- **10:00 a.m.** E-Posters and Films on Demand
- **11:00 a.m.** Young Eye Surgeons Skills Transfer Lab*
- **12:00 p.m.** ASCRS Subspecialty Day Exhibit Hall
- **1:00 p.m.** YES Connect Lounge
- **2:00 p.m.** ASCRS eyePAC Reception

## SATURDAY, MAY 4
- **6:00 a.m.** Registration
- **7:00 a.m.** ASCRS Opening General Session
- **8:00 a.m.** Symposium
  - **9:00 a.m.** Instructional Courses
  - **10:00 a.m.** Scientific Paper Sessions
  - **11:00 a.m.** Skills Transfer Labs*
  - **12:00 p.m.** ASCRS Roundtables—Meet the Experts*
  - **1:00 p.m.** ASCRS Young Eye Surgeons Networking Luncheon
- **2:00 p.m.** Poster Pavilion Presentations
- **3:00 p.m.** E-Posters & Films On Demand
- **4:00 p.m.** Exhibit Hall
- **5:00 p.m.** Industry Spotlight Theater
- **6:00 p.m.** ASCRS•ASOA Welcome Party
- **7:00 p.m.** YES Connect Lounge

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**KEY:**
- purple: ASCRS Programming
- green: YES Young Eye Surgeons
- blue: Exhibit Hall
- gray: Attendee Registration

*Additional Registration Required, Fees may apply*
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<tr>
<td>6:00 a.m.</td>
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<tr>
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<td>The Sunday Summit</td>
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<td>Best of ASCRS</td>
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<td>8:00 a.m.</td>
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<td>9:00 a.m.</td>
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<td>Instructional Courses</td>
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<td>11:00 a.m.</td>
<td>Scientific Paper Sessions</td>
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<td>12:00 p.m.</td>
<td>Skills Transfer Labs*</td>
<td>Skills Transfer Labs*</td>
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<td>1:00 p.m.</td>
<td>Poster Pavilion</td>
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<td>E-Posters &amp; Films</td>
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<td>E-Posters &amp; Films</td>
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<td>4:00 p.m.</td>
<td>On Demand</td>
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<td>5:00 p.m.</td>
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<td>8:00 p.m.</td>
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<td>YES Connect Lounge</td>
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**KEY:**
- ASCRS Programming
- YES Young Eye Surgeons
- Exhibit Hall
- Attendee Registration

*Additional Registration Required, Fees may apply*
Make the most of your time in San Diego by attending ASCRS Subspecialty Day on Friday, May 3!

ASCRS Refractive Day, ASCRS Glaucoma Day and Cornea Day will highlight the most important topics in cornea and lens-based refractive surgery, glaucoma management and surgery, cornea and cataract surgery, presented by world-renowned experts.

Three Programs in One
Register today for ASCRS Subspecialty Day and gain access to all three programs: ASCRS Refractive Day, ASCRS Glaucoma Day and Cornea Day. Plus, when you register for ASCRS Subspecialty Day, you gain exclusive access to all of the presentations from ASCRS Refractive Day, ASCRS Glaucoma Day and Cornea Day through ASCRS Presentations On Demand. Whether you missed a presentation, want to revisit a particular topic or want to view all three programs in their entirety, ASCRS Presentations On Demand has it all.

For the best value, register for the Annual Meeting + ASCRS Subspecialty Day category.

AnnualMeeting.ascrs.org/subspecialtyday
ASCRS REFRACTIVE DAY
The Pursuit of Emmetropia
Attend this one-day meeting for all of your cornea refractive and refractive IOL needs. This program is a comprehensive overview of all of the advances in refractive surgery, providing innovative techniques and new surgical technologies that will help to improve your outcomes.

PROGRAM CHAIRS
Rosa Braga-Mele, MD
Eric Donnenfeld, MD
John Vukich, MD

SESSIONS
• Refractive Corneal Surgery
• Premium Refractive Lens Surgery
• Tips, Pearls, and Take-home Messages
• Choosing and Using the Right IOL

ASCRS GLAUCOMA DAY
Cutting-edge guidance for expanding your glaucoma treatment options and improving patient outcomes. 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.

PROGRAM CHAIR
Douglas J. Rhee, MD

SESSIONS
• ASCRS Joint Symposium: Optimizing Surgical Outcomes of Cataract Surgery in the Complex Glaucoma Patient
• Glaukomtechnik – Practical Tech for the Modern Ophthalmologist
• Medications and Lasers
• Café Style Discussion
• The 2019 Stephen A. Obstbaum, MD, Honored Lecture
• Surgical Glaucoma Spotlight: Personalizing the Surgical Management of Glaucoma in the MIGS Era
• GFC Debate Re-Match 2019
• Video Case Presentations: Complications and a “Reay of Hope”

CORNEA DAY
Join world renowned faculty for the premier one-day interactive program on cornea and cataract surgery. Pertinent topics are covered via panel discussions, case studies, debates and surgical video reviews showcasing latest innovations and inventive techniques associated with this specialty.

PROGRAM CHAIRS
Francis Mah, MD (ASCRS)
Elmer Tu, MD (Cornea Society)

PROGRAM PLANNING COMMITTEE
Brandon Ayres, MD (ASCRS)
Ken Beckman, MD (ASCRS)
Kathryn Colby, MD, PhD (Cornea Society)
Sophie Deng, MD (Cornea Society)
Jose Gomes, MD (ASCRS)
Preeya Gupta, MD (ASCRS)
Vishal Jhanji, MD (Cornea Society)
W. Barry Lee, MD (Cornea Society)

SESSIONS
• Advanced Techniques on Anterior Segment Reconstruction
• Corneal Lenticular or Transplant Surgery
• Preparing the Ocular Surface for Cataract Surgery
• Controversies and Complications
FRIDAY, MAY 3

ASCRS REFRACTIVE DAY*
“THE PURSUIT OF EMMETROPIA”
Sponsored by the ASCRS Refractive Clinical Committee

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

PROGRAM CHAIRS
Rosa M. Braga-Mele, M.Ed, MD, FRCSC; Eric D. Donnenfeld, MD; John A. Vukich, MD

SESSIONS MODERATORS
Robert J. Cionni, MD; Terry Kim, MD; Michael C. Knorz, MD; Douglas D. Koch, MD; Edward E. Manche, MD; Vance Thompson, MD; George O. Waring, IV, MD; Elizabeth Yeu, MD

SESSION PANELISTS
Jason P. Brinton, MD
Daniel H. Chang, MD
Deepinder K. Dhaliwal, MD
Preeya K. Gupta, MD
Richard S. Hoffman, MD
Michael C. Knorz, MD
Lance J. Kugler, MD
Scott M. MacRae, MD
Cathleen M. McCabe, MD
Michael Patterson, DO
Robert J. Weinstock, MD
William F. Wiley, MD
Blake K. Williamson, MD, MPH

PRELIMINARY PROGRAM (subject to change)
For program updates and more, visit ASCRSRefractiveDay.org

8:00–9:45 a.m.
Session I: Refractive Corneal Surgery
Moderators: Edward E. Manche, MD; Elizabeth Yeu, MD
Panel: Deepinder K. Dhaliwal, MD; Michael C. Knorz, MD; Scott M. MacRae, MD; William F. Wiley, MD

Introduction
Rosa M. Braga-Mele, M.Ed, MD, FRCSC

Corneal Topography: What to Look for and How It Influences My Decision
Kendall E. Donaldson, MD

Challenging Conventional Wisdom About LASIK
Julie Schallhorn, MD

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

SMILE for Myopia and Astigmatism: Experience in the U.S. and Around the World
John F. Doane, MD

Refractive indexing: Is this the next “Next big thing”
Nick Mamalis, MD

9:45–10:10 a.m.
Break and Networking with Exhibitors

10:10 a.m.–12:00 p.m.
Session II: Premium Refractive Lens Surgery
Moderators: Douglas D. Koch, MD; Vance Thompson MD
Panel: Daniel H. Chang, MD; Cathleen M. McCabe, MD; Michael Patterson, DO

Automated Mechanical Capsulotomy
Kevin L. Waltz, OD, MD

Nuclear Disassembly Simplified
Sean Ianchulev, MD

What Technology Do I (Really) Need to Improve Refractive Outcomes?
Brandon D. Ayres, MD

*Separate registration and fee required
SUBSPECIALTY DAY PROGRAMS | FRIDAY, MAY 3

Light Adjustable Lens
Robert Maloney, MD

Case Studies in Refractive Cataract Surgery–How Did That Happen?
Warren E. Hill, MD; Kerry D. Solomon, MD

Introduction of the Steinert Refractive Lecture
Edward J. Holland, MD

The Steinert Refractive Lecture: LASIK: The Myths, Misconceptions and Reality
Eric D. Donnenfeld, MD

12:00–1:00 p.m.
Lunch with Exhibitors

1:00–2:50 p.m.
Session III: Tips, Pearls and Take-Home Messages
Moderators: Terry Kim, MD; George O. Waring IV, MD
Panel: Jason P. Brinton, MD; Lance J. Kugler, MD; Robert J. Weinstock, MD

Retina for Refractive Surgeons
Steve Charles, MD

Phakic IOLs: USA Toric Approval and Global Trends
John A. Vukich, MD

Government Relations
Parag D. Parekh, MD, MPA

Common Dilemmas and Controversies in Refractive Surgery Patients
Steven J. Dell, MD

Refractive Cataract Surgery After Refractive Corneal Surgery: How to Optimize Outcomes and Which Lenses to Use When
Zaina Al-Mohtaseb, MD

Refractive Enhancements Following Cataract Surgery
John P. Berdahl, MD

Astigmatism Fix: When and How to Reposition a Toric IOL
Sumit “Sam” Garg, MD

When to Perform an IOL Exchange
Dean P. Ouano, MD

2:50–3:10 p.m.
Break and Networking with Exhibitors

3:10–4:30 p.m.
Session IV: Choosing and Using the Right IOL
Moderators: Rosa M. Braga-Mele, M.Ed, MD, FRCSC; Robert J. Cionni, MD
Panel: Preeya K. Gupta, MD; Richard S. Hoffman, MD; Blake K. Williamson, MD, MPH

Matching the Right Implant to the Right Patient
Yuri F. McKee, MD, MS

Trifocal and Extended Depth of Focus IOLs
Thomas Kohnen, MD

Case Studies in IOL Selection
David F. Chang, MD

4:30 p.m.
Program Adjourns

For detailed program information view the Real-Time Program at ascrs.org/program19
**ASCRS GLAUCOMA DAY***
*Sponsored by the ASCRS Glaucoma Clinical Committee*

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.

**PROGRAM CHAIR**
Douglas J. Rhee, MD

**PROGRAM COMMITTEE**
Ike K. Ahmed, MD
Reay H. Brown, MD
Jacob W. Brubaker, MD
Garry P. Condon, MD
Brian A. Francis, MD
Paul J. Harasymowycz, MD, FRCSC
Leon W. Herndon, MD
Marlene R. Moster, MD
Robert J. Noecker, MD
Michael F. Oats, MD
Thomas D. Patrianakos, MD
Nathan M. Radcliffe, MD
Thomas W. Samuelson, MD
Steven R. Sarkisian Jr, MD
Steven D. Vold, MD
Amy D. Zhang, MD

**PRELIMINARY PROGRAM (subject to change)**
For program updates and more, visit ASCRSGlaucomaDay.org

**AGS/ASCRS JOINT SYMPOSIUM:**
Optimizing Surgical Outcomes of Cataract Surgery in the Complex Glaucoma Patient
Moderators: JoAnn A. Giaconi, MD; Leon W. Herndon, Jr., MD

**8:03–8:11 a.m.**
Cataract Surgery in the Glaucoma Patient: A Rock-Hard Case
Garry P. Condon, MD

**8:11–8:19 a.m.**
Cataract Surgery in the PXF Glaucoma Patient: My Surgical Toolkit
Amy D. Zhang, MD

**8:19–8:27 a.m.**
Cataract Surgery in the Hypotonous Glaucoma Patient: Preoperative, Intraoperative, and Postoperative Considerations
Anup K. Khatana, MD

**8:27–8:35 a.m.**
Cataract Surgery in the Uveitic Glaucoma Patient: Tips for Success
Mark A. Werner, MD

**8:35–8:43 a.m.**
Cataract Surgery of the Chronic Angle Closure Glaucoma Patient: Different Techniques for Different Stages
Reay H. Brown, MD

**8:43–8:51 a.m.**
Cataract Surgery in the Advanced Glaucoma Patient: Minimizing Vision Loss
Sameh Mosaed, MD

**8:51–9:05 a.m.**
Panel Discussion

**9:05–10:20 a.m.**
Glaakomtecken: Practical Tech for the Modern Ophthalmologist
Moderators: Nathan Radcliffe, MD and Brian Francis, MD

**OCT: Which Tek is Best?**
Cirrus – Vikas Chopra, MD
Spectralis – Sarah Van Tassel, MD
Optovue – Linda Zangwill, MD

**HVF: Getting Confrontational about Visual Fields**
Review of mild/moderate/severe VF Criteria Using Humphrey – Brian Francis, MD
Octopus – Jonathan Myers, MD
Centervue – Ike Ahmed, MD
Confrontational Visual Fields – Douglas Rhee, MD and Ike Ahmed, MD

*Separate registration and fee required*
SUBSPECIALTY DAY PROGRAMS | FRIDAY, MAY 3

Leading Edge of Technology
Corneal Biomechanics – James Brandt, MD
ECC Measurements – Nathan Radcliffe, MD
Home IOP Monitoring: How to Integrate into Your Practice – Kuldev Singh, MD
Lowering IOP with a Cell Phone – Brian Francis, MD
Weeding Out Glaucoma Treatment – Anurag Shrivastava, MD

10:20–10:40 a.m.
Break with Exhibitors

10:40–10:55 a.m.
International Guest Speaker
Helen Danesh-Meyer, MD

10:55 a.m.–12:00 p.m.
Medications and Lasers: Practical Concepts for Enhancing Glaucoma Care
Moderators: Jacob W. Brubaker, MD; Robert J. Noecker, MD, MBA

PART I—MEDICATIONS
Glaucoma Wars: New Hope Medication Protocol/Decision Tree 2019
Jason Bacharach, MD

Won’t You Be My Neighbor? Point-Counter-Point: Use of Compounding Medications
Inder P. Singh, MD; Jacob W. Brubaker, MD

Land Before Time: Navigating Prior Authorizations and Formularies
Gregory J. Katz, MD

PART II—LASERS
Laserblast: What’s Your Patient Satisfaction Rate? How to Talk to Patients and Set Expectations with SLT
Larissa Camejo, MD

Guardians of the Galaxy: Point-Counter-Point: Use of TSCPC in Mild-to-Moderate Glaucoma as a First Surgical Option
Robert J. Noecker, MD, MBA; Marlene Moster, MD

12:10-12:15 p.m.
Government Relations Speaker
Parag D. Parekh, MD, MPA

12:20-12:45 p.m.
Café Style Discussion
Reay H. Brown, MD; Garry P. Condon, MD

12:45-1:20 p.m.
The 2019 Stephen A. Obstbaum, MD, Honored Lecture
Making Lives Better, Millions at a Time: Lessons in Eye Care from the Developing World
Alan Robin, MD

1:20-2:55 p.m.
Surgical Glaucoma Spotlight
Personalizing the Surgical Management of Glaucoma in the MIGS Era

Part I: Finding Your Way Through the MIGS Maze: A Personalized, Case-Based Approach & Panel Discussion
Moderators: Paul J. Harasymowycz, MD; Steven R. Sarkisian, Jr., MD
Panelists: Ike K. Ahmed, MD; Arsham Sheybani, MD; Inder Paul Singh, MD; Steven D. Vold, MD

1:20-1:21 p.m.
Introduction
Steven R. Sarkisian, Jr, MD

1:21-1:31 p.m.
What’s Happening in “MIGS Land”?
Paul J. Harasymowycz, MD

1:31-1:45 p.m.
MIGS Potpourri
Steven R. Sarkisian, Jr., MD

1:45-1:52 p.m.
How I’ve Incorporated the New Trabecular Micro-Bypass Stents into My Practice (Hydrus and iStent Inject)
Inder Paul Singh, MD

1:52-1:59 p.m.
How I’ve Incorporated the New Subconjunctival Stenting Procedures into My Practice
Ashram Sheybani, MD

1:59-2:05 p.m.
Panel Discussion

Part II: I Thought This Was Supposed to Be Easy: A Compilation of MIGS Fails and How We Fixed Them
Moderators: Ike K. Ahmed, MD; Steven Vold, MD
Panelists: Steve Sarkisian, Jr, MD; Paul J. Harasymowycz, MD; Ike K. Ahmed, MD; Tom Samuelson, MD

2:05-2:07 p.m.
Introduction
Ike K. Ahmed, MD
GLAUCOMA DAY (CONTINUED)

2:07-2:15 p.m.
iStent Challenges
Ike K. Ahmed, MD

2:15-2:23 p.m.
iStent Inject Challenges
Tom Samuelson, MD

2:23-2:31 p.m.
Cypass Removal/Trimming
Steven D. Vold, MD

2:31-2:39 p.m.
Navigating Complications with the Hydrus
Brian Flowers, MD

2:39-2:47 p.m.
Zen and the Art of XEN Management
TBD

2:47-2:55 p.m.
The Inside Track on Canal Spelunking (abic and Omni)
TBD

2:55–3:10 p.m.
Break and Networking with Exhibitors

3:10–3:30 p.m.
GFC Debate Re-Match 2019
Referee: Steven R. Sarkisian, Jr., MD
Debaters: Ike K. Ahmed, MD; Douglas J. Rhee, MD

3:30–4:30 p.m.
10th Annual Complications and a “Reay of Hope” Video Case Presentations
Moderators: Reay H. Brown, MD; Thomas D. Patrianakos, MD
Panelists: Garry P. Condon, MD; Nathan M. Radcliffe, MD
Experts will address a variety of common and not-so-common complications and compete for the Reay of Hope Award for the “best worst” complication.
Voting and “Reay of Hope” Award

4:30 p.m.
Program Adjourns

CORNEA DAY*

Sponsored by the ASCRS Cornea Clinical Committee and the Cornea Society

Join world renowned faculty for the premier one-day interactive program on cornea and cataract surgery. Pertinent topics are covered via panel discussions, case studies, debates and surgical video reviews showcasing latest innovations and inventive techniques associated with this specialty.

PROGRAM CHAIRS
Francis S. Mah, MD (ASCRS)
Elmer Y. Tu, MD (Cornea Society)

PROGRAM PLANNING COMMITTEE
Brandon D. Ayres, MD (ASCRS)
Kenneth A. Beckman, MD (ASCRS)
Kathryn A. Colby, MD, PhD (Cornea Society)
Sophie X. Deng, MD (Cornea Society)
Jose Gomes, MD (ASCRS)
Preeya K. Gupta, MD (ASCRS)
Vishal Jhanji, MD (Cornea Society)
W. Barry Lee, MD, FACS (Cornea Society)

PRELIMINARY PROGRAM (subject to change)
For program updates and more, visit CorneaDay.org

8:03–9:25 a.m.
Session I: Advanced Techniques on Anterior Segment Reconstruction
Moderators: Brandon D. Ayres, MD; W. Barry Lee, MD
Iris Repair
Gregory S. Ogawa, MD
Artificial Iris
Michael E. Snyder, MD
Suture Fixated IOLs
Nicole R. Fram, MD
IOL Exchange
Jeremy Z. Kieval, MD
AC IOL Technique
Kristen M. Hammersmith, MD

*Separate registration and fee required
Capsular Stabilization
Sumitra S. Khandelwal, MD

Yamane Technique
Shin Yamane, MD, PhD

Glued IOLs
Ashvin Agarwal, MD, MS

Complications of Scleral Fixed IOLs
Sumit “Sam” Garg, MD

Panel Discussion/Group Debate
9:25–9:50 a.m.
Break and Networking with Exhibitors

9:50–11:40 a.m.
Session II: Corneal/Lamellar or Transplant Surgery
Moderators: Sophie Deng, MD, PhD; Jose A. Gomes, MD
Section 1: Anterior Lamellar Applying Corneal Anatomy Concepts to my ALK Technique
Sadeer B. Hannush, MD
How Can I Make the Big Bubble Easier?
Ramon C. Ghanem, MD
Innovations: DALK with Femtosecond Laser and OCT
Marjan Farid, MD
To Convert or not to Convert: That is the Question
Vincenzo Sarnicola, MD

Panel Discussion
Video Competition: The Bad, the Ugly and the Unbearable (includes audience voting)
Samar Al-Swailem, MD; Rajesh Fogla, MD, FRCSC; Luigi Fontana, MD, PhD; Jennifer Y. Li, MD; Shigeto Shimmura, MD, PhD; Sonia H. Yoo, MD

11:40 a.m.–12:40 p.m.
Lunch and Networking with Exhibitors

12:45–2:10 p.m.
Session III: Preparing the Ocular Surface for Cataract Surgery
Moderators: Kathryn A. Colby, MD, PhD; Preeya K. Gupta, MD
Deciphering OSD Algorithms
Christopher E. Starr, MD
Managing Preoperative DED and MGD
Jessica B. Ciralsky, MD

Panel Discussion
Preferred Pterygium Removal Techniques
Neel R. Desai, MD

Management of Corneal Lesions that Impact IOL Calculations
Terry Kim, MD

Panel Discussion
Cataract Surgery in the Cloudy Cornea
Zaina Al-Mohtaseb, MD

History of HSV in the Cataract Surgery Patient: What Should I do?
Helen K. Wu, MD

Cataract Surgery in Inflammatory Disorders
Nisha R. Acharya, MD, MS

Panel Discussion
SUBSPECIALTY DAY PROGRAMS | FRIDAY, MAY 3

2:10–2:45 p.m.
Break and Networking with Exhibitors

2:50–4:30 p.m.
Session IV: Controversies and Complications
Moderators: Kenneth A. Beckman, MD, FACS; Vishal Jhanji, MD

Defining Progression in Keratoconus
William B. Trattler, MD

Premium IOLs in Keratoconus
—Why Do I Prefer them?
  George O. Waring, IV, MD, FACS
—Why I Don’t Like Them
  Karolinne M. Rocha, MD, PhD

Persistent Epithelial Defects Medical Management
Marian S. Macsai, MD

Surgical Management
Elizabeth Yeu, MD

When Crosslinking is Urgent
Kathryn M. Hatch, MD

Crosslinking Complications
Audrey R. Talley Rostov, MD

4:30 p.m.
Program Adjourns

ASCRS SUBSPECIALTY DAY EXHIBIT HALL
The 2019 ASCRS Subspecialty Day and ASCRS•ASOA Annual Meeting exhibitors offer exceptional opportunities to learn about products, current and emerging technologies – make time to visit exhibitors throughout the meeting!

UPPER LEVEL, SAILS PAVILION
Friday, May 3 | 7:00 a.m.– 4:00 p.m.
The ASCRS Subspecialty Day exhibit hall, open to all attendees of ASCRS Glaucoma Day, ASCRS Refractive Day and Cornea 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.

ASCRS•ASOA EXHIBIT HALL
GROUND LEVEL, HALLS A-D
Saturday, May 4 | 9:00 a.m.– 6:00 p.m.
Sunday, May 5-Monday, May 6 | 9:00 a.m.– 5:00 p.m.
Visit the ASCRS•ASOA Annual Meeting world-class exhibit hall featuring products and services showcased by more than 300 participating industry companies. Open for a total of 25 hours during the Annual Meeting, don’t miss the opportunity to connect with our exhibitors!

APP UP AND WIN!
New in 2019, the ASCRS ASOA Meetings App will include an interactive game where participants can win big by visiting the exhibit hall! By networking with exhibitors, attendees will have the opportunity to enter a daily drawing to win exciting prizes to include his and hers watches, a digital camera, a set of golf clubs and a dream vacation for two. Stay tuned for details; in the meantime begin mapping your course throughout the exhibit hall!

SPOTLIGHT ON PRODUCT EDUCATION
For the third year in a row, ASCRS•ASOA will offer a series of product-focused corporate educational sessions (non-CME) in our Industry Spotlight Theater, located in Booth 1345 in the exhibit hall. These sessions will provide you with overviews and comparisons across several different ophthalmic categories.

For detailed program information view the Real-Time Program at ascrs.org/program19
FRIDAY, MAY 3

YOUNG EYE SURGEONS (YES) SKILLS TRANSFER LAB

Sponsored by the Young Eye Surgeons (YES) Clinical Committee

New in 2019, the YES Skills Transfer Lab is exclusive to Residents, Fellows and Surgeons in their first 5 years of practice. Join your peers for extensive hands on training at 70+ stations in cataract, refractive, cornea and glaucoma. This skills transfer lab brings together ASCRS Leadership and Residency Program Directors and Faculty from across the United States for one to one instruction at each station.

10:00 a.m. – 3:00 p.m.

PROGRAM CHAIRS

Sumit “Sam” Garg, MD  Terry Kim, MD

CATARACT AND REFRACTIVE STATIONS

Planning Committee
Leela Raju, MD; Grace Sun, MD; Mitchel Weikert, MD

Attendees will rotate through stations covering a review of phaco settings and fluidics, incisions, capsulorhexis, phacoemulsification, cortex removal, capsule tension ring placement, iris hooks, Malyugin Rings, chopping and flipping, secondary IOLs, scleral fixation, and lens folding and loading.

CORNEA STATIONS

Planning Committee
Jessica Ciralsky, MD; Marjan Farid, MD; Richard Stutzman, MD

Attendees will rotate through a review of astigmatism management, Limbal Relaxing Incisions, Suturing and DMEK.

GLAUCOMA STATIONS

Planning Committee
David Crandall, MD; Shane Havens, MD; Kuldev Singh, MD, MPH

Attendees will explore various glaucoma procedures to include minimally invasive glaucoma surgery and micro stent implant-trabecular and supraciliary.
Since 1975, the Binkhorst Medal has been awarded to a recipient whose contributions to the science and practice of ophthalmology have established him or her among the world’s most preeminent ophthalmologists.

Stephen C. Pflugfelder, MD – THE QUEST FOR TEAR STABILITY

SATURDAY, MAY 4
10:00 A.M. – 12:00 P.M.

ASCRS OPHTHALMOLOGY HALL OF FAME CEREMONY

The inductees selected for this award are chosen by their peers—more than 30,000 ophthalmologists in the U.S. and abroad. We salute all those who supported, inspired, and carried on their work in the past and those who will do so in the future.

Howard V. Gimbel, MD, MPH, FRCSC

Phillips Thygeson, MD (1903-2002)

More details to follow: AnnualMeeting.ascrs.org
SATURDAY, MAY 4

ASCRS OPENING GENERAL SESSION
10:00 a.m.–12:00 p.m.

FEATURING

ASCRS PROGRAM CHAIR
Edward J. Holland, MD

INCOMING ASCRS PRESIDENT
Nick Mamalis, MD

ASCRS HONORED GUESTS
W. Andrew Maxwell, MD, PhD
Donald N. Serafano, MD

ASCRS SPECIAL GUEST
F. Harold Kushner, MD, FACS, COL Medical Corps, U.S. Army (ret.)

ASCRS FOUNDATION UPDATE AND PRESENTATION OF 2019 CHANG HUMANITARIAN AWARD TO
Richard L. Litwin, MD

ASCRS OPHTHALMOLOGY HALL OF FAME CEREMONY
Inductees:
Howard V. Gimbel, MD, MPH, FRCSC
Phillips Thygeson, MD, (Deceased)

ASCRS BINKHORST LECTURE
The Quest for Tear Stability

STEPHEN C. PFLUGFELDER, MD

Since 1975, the Binkhorst Medal has been awarded to the world’s most prominent ophthalmologists whose careers have made significant contributions to the science and practice of ophthalmology. Stephen C. Pflugfelder, MD, is professor and holder of the James and Margaret Elkins Chair and director of the Ocular Surface Center in the department of ophthalmology at Baylor College of Medicine. He specializes in cornea, ocular surface and tear disorders.

ASCRRS SYMPOSIA

Retina Essentials: Everything You Need to Know about Intravitreal Injections [ESSENTIALS]
Sponsored by the ASCRS Retina Clinical Committee
Moderator: Steve Charles, MD

Lessons Learned- Challenging Cases and Complication Management [ESSENTIALS]
Sponsored by the ASCRS Young Eye Surgeons (YES) Committee
Moderator: Sumit “Sam” Garg, MD

Refractive Cataract Surgery Essentials [ESSENTIALS] [NEW]
Sponsored by the ASCRS Cataract Clinical Committee
Moderator: Kevin M. Miller, MD

Keratoconus: Consensus and Controversy
Sponsored by the Cornea Society
Moderators: Anthony J. Aldave, MD; Elmer Y. Tu, MD

Survive or Thrive in the Modern Healthcare Environment: Clinical Changes to Practice
Moderators: Eric D. Donnenfeld, MD; Kerry D. Solomon, MD

From Learning to Leading: Gaining Clinical and Management Skills in Your First 10 Years of Practice
Sponsored by the Vanguard Ophthalmology Society
Moderators: John P. Berdahl, MD; Daniel H. Chang, MD; Nicole R. Fram, MD

Nailing the Best IOL Refractive Outcomes—Let the Experts Update You [ESSENTIALS]
Moderator: Richard B. Packard, MD, FRCS

Management of Complicated Cases in Cataract and Refractive Surgery—Presented in Spanish
Sponsored by the Latin American Society of Cataract and Refractive Surgery (ALACCSA-R LASCRS)
Moderators: César C. Carriazo, MD; María José Cosentino, MD; William C. De La Peña, MD; Carlos L. Nicoli, MD

For detailed program information view the Real-Time Program at ascrs.org/program19
ASCRS INSTRUCTIONAL COURSES

2019 Legislative & Regulatory Affairs Update
Instructor: Nancy McCann

Phaco Nightmares and Worst-Case Scenarios: Video-Based Course
Instructor: Amar Agarwal, MS, FRCS

New Frontiers for the Treatment of Keratoconus [NEW]
Instructor: César C. Carriazo, MD

Comprehensive Strategy for Unplanned Vitrectomy Technique for Anterior Segment Surgeons
Instructor: Steve Charles, MD

Astigmatism Management at the Time of Cataract Surgery
Instructor: Ashu Agarwal, MBBS, MD

How Much Should a Cataract Surgeon Know about Corneal Optics [NEW]
Instructor: Nimrata B. Dhami, MBBS, MD

One Donor Cornea for 3 Recipients: DALK, DMEK, KLAL
Instructor: Caterina Sarnicola, MD

Automated Anterior Capsulotomy Options
Instructor: Kevin L. Wälz, OD, MD

Secondary IOL Implantation
Instructor: George H. Beiko, BM, BCh, FRCSC

The 3 Keys to Effective Physician Leadership: Understanding Style, Gender, and Generational Issues [NEW]
Instructor: Elizabeth Yeu, MD

Strategically Backing off Intraoperatively to Lose a Battle but Win the War [NEW]
Instructor: Suven Bhattacharjee, MS

Descemet Membrane Endothelial Keratoplasty: Simplified Technique to Shorten the Learning Curve and Avoid Complications
Instructor: Mark A. Terry, MD

Vampire on the Vanity: Ingredients and Habits that Impact Dry Eye Disease [NEW]
Instructor: Cynthia Matossian, MD

Phaco Chop and Prechop
Instructor: Ronald Yeoh, MD, FRCS

Mastering the Applications of Small-Aperture IOL Technology: Irregular Corneal Astigmatism, Depth-of-Focus Extension, Iris Defects, and Multifocal IOL Dissatisfaction [NEW]
Instructor: Claudio C. Trindade, MD

IOL Power Calculations – When Biometry is Not Enough
Instructor: Giacomo Savini, MD

Learning Phaco Chop: Pearls and Pitfalls
Instructor: David F. Chang, MD

Managing Astigmatism in Cataract Surgery
Instructor: Manuel Nicoli, MD

Minimally Invasive Glaucoma Surgery for the Comprehensive Ophthalmologist: Exploring Various Microstents and Devices
Instructor: Nir Shoham-Hazon, MD

Custom Cataract Surgery: Matching Lens-Based Presbyopia Correction for Personalized Vision
Instructor: Mark A. Kontos, MD

Fundamentals of Postoperative Antibiotic-Steroid Injections after Cataract Surgery: Current Experiences and Future Challenges [NEW]
Instructor: Kamran M. Riaz, MD

Anterior Vitrectomy for the Cataract Surgeon – The Road Not Taken
Instructor: Abhay R. Vasavada, MS, FRCS

ASCRS SCIENTIFIC PAPER SESSIONS

Pterygium, Salzmann’s, and Neoplasia
IOLs and Injectors
Intraoperative Aberrometry
Blended Vision with Presbyopia Correcting IOLs
MIGS
SMILE and ReLEx
Phaco Techniques
IOL and Capsular Tension Ring Complications
Dry-Eye Disease: Epidemiology, Diagnostics, AMT
Retina Issues in Cataract Surgery
Surgical Planning
Complications and Ectasia

For detailed program information view the Real-Time Program at ascrs.org/program19
ASCRS ROUNDTABLES: MEET THE EXPERTS [NEW]

8:30–9:30 a.m.

ASCRS roundtables are intimate, interactive one-hour sessions in which experts will lead discussions in cataract surgery, IOLs, refractive surgery, cornea and glaucoma in a setting that fosters attendees/experts interactions and networking in an informal, relaxed setting.

Participation is FREE for all ASCRS Annual Meeting attendees though advanced registration is required as space is limited. Seats are based on a first come, first served basis so make sure you register early.

**Management of Dislocated IOLs**
Experts: Ashley R. Brissette, MD, MSc; Richard Tipperman, MD

**Treatment of Astigmatism in Cataract Surgery**
Experts: Yuri F. McKee, MD, MS; Helga P. Sandoval, MD, MSc

**Complex Cataract Management**
Experts: Garry P. Condon, MD; Zachary J. Zavodni, MD

**Intracameral Antibiotics**
Experts: Allister Gibbons, MD; Neal H. Shorstein, MD

**Femtosecond Laser Assisted Cataract Surgery in Complex Cases**
Experts: Nicole R. Fram, MD; Mark A. Kontos, MD

**Management of Subluxated Lenses**
Experts: Ehud I. Assia, MD; Jeremy Z. Kieval, MD

**Managing Complications During Cataract Surgery**
Experts: Gregory S. Ogawa, MD; Abhay R. Vasavada, MS, FRCS

**Complex IOL Calculations**
Experts: Sumitra S. Khandelwal, MD; Douglas D. Koch, MD

**Astigmatism Management**
Experts: Leela Raju, MD; Nir Shoham-Hazon, MD

**Biometry and IOL Calculations**
Experts: Bryan S. Lee, JD, MD; Mitchell P. Weikert, MD, MS

**Maximizing Patient Outcomes with Multifocal IOLs**
Experts: Jessica B. Ciralsky, MD; Richard S. Davidson, MD

**Presbyopic IOLs and Astigmatism Correction**
Experts: Zaina Al-Mohtaseb, MD; Karl G. Stonecipher, MD

**Extended Depth of Focus (EDOF) and Multifocal IOLs—Optics, Surgical Planning**
Experts: Daniel H. Chang, MD; William F. Wiley, MD

**The Yamane Technique**
Expert: Shin Yamane, MD, PhD

**Managing Bacterial/Viral Blepharitis/Conjunctivitis/Keratitis**
Experts: Brandon J. Baartman, MD; Francis S. Mah, MD

**Keratoconus and Crosslinking**
Experts: Kenneth A. Beckman, MD; William B. Trattler, MD

**Corneal Lumps and Bumps/Corneal Issues in Cataract Surgery**
Experts: Terry Kim, MD; Amy Lin, MD

**Ocular Disease Management Prior to Cataract and Refractive Surgery**
Experts: Alice T. Epitropoulos, MD; Christopher E. Starr, MD

**Minimally Invasive Glaucoma Surgery—How to Pick the Right Tool for the Right Patient**
Experts: Jacob W. Brubaker, MD; Manjool Shah, MD

**Minimally Invasive Glaucoma Surgery**
Experts: Reay H. Brown, MD; Amy Zhang, MD

**Stand-alone MIGS: What to Do When Meds Have Failed in the Younger Clear Lens or Older Pseudophakic Patient**
Experts: David A. Crandall, MD; Steve R. Sarkisian, Jr., MD

**Management of LASIK Complications**
Experts: Sarah M. Nehls, MD; Roger Zaldivar, MD

**LASIK, PRK, and SMILE Procedures**
Experts: Kathryn M. Hatch, MD; George O. Waring, IV, MD

**Retina Considerations for the Anterior Segment Surgeon**
Experts: David S. Boyer, MD; William F. Mieler, MD

**OCT Before Cataract Surgeries and Other Retina Considerations**
Expert: Steve Charles, MD

**ASCRS SKILLS TRANSFER LABS**

**Advanced Phaco**
Instructor: Kevin M. Miller, MD

**Corneal Suturing Techniques**
Instructor: Jonathan B. Rubenstein, MD

**Phaco Refinement**
Proctors: Thomas M. Harvey, MD; Mark E. Moran, DO, MSHI; Sherman W. Reeves, MD, MPH

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

**Surgical Management of Astigmatism**
Instructor: Jonathan B. Rubenstein, MD

**Anterior Vitrectomy**
Instructor: Lisa B. Arbisser, MD

**Secondary IOL Implantation**
Instructor: George H. Beiko, BM, BCh, FRCSC

**POSTER PAVILION**

ASCRS Electronic Posters, ASCRS Films and the Hall of Fame Videos can be viewed on-demand at the kiosks and the ASCRS website.

**POSTER PRESENTATIONS AND AWARDS**

Cataract Posters
Keratorefractive Posters

*Separate registration and fee required*
Acknowledged as one of the most engaging and crowd-pleasing speakers in the world of neuroscience, John Medina, PhD, is a developmental molecular biologist, researcher, professor and a *New York Times* bestselling author. Dr. Medina is an affiliate professor of bioengineering at the University of Washington School of Medicine. He is also the founding director of the Talaris Research Institute.

Dr. Medina has a lifelong fascination with how the mind reacts to and organizes information. In addition to his research, consulting, and teaching, he speaks often to public officials, business and medical professionals, school boards, and nonprofit leaders.
THE SUNDAY SUMMIT GENERAL SESSION

10:00 a.m.–12:00 p.m.

Featuring

PART 1: THE ASCRS SCIENCE, MEDICINE AND TECHNOLOGY LECTURE

JOHN MEDINA, PHD

Acknowledged as one of the most engaging and crowd-pleasing speakers in the world of neuroscience, Dr. John Medina is a developmental molecular biologist, researcher, professor and a New York Times bestselling author. Dr. Medina is an affiliate professor of bioengineering at the University of Washington School of Medicine. He is also the founding director of the Talaris Research Institute.

PART 2: ASCRS’ THE VOICE OF OPHTHALMOLOGY SEASON 2

Host: Edward J. Holland, MD

Coaches: Ike K. Ahmed, MD; John P. Berdahl, MD; Eric D. Donnenfeld, MD; Elizabeth Yeu, MD

Season 2 will showcase controversies in anterior segment surgery presented by contestants and debated by an expert panel.

ASCRS SYMPOSIA

MIGS: Talkin’ Bout a Revolution
Sponsored by the ASCRS Glaucoma Clinical Committee
Moderator: Jacob W. Brubaker, MD

Surgical Essentials: Getting You out of Trouble in Cataract Surgery [ESSENTIALS]
Sponsored by the Alliance of Cataract and Refractive Specialty Societies: American Society of Cataract and Refractive Surgery (ASCRS), Asia-Pacific Association of Cataract and Refractive Surgeons (APACRS), European Society of Cataract and Refractive Surgeons (ESCRS), Latin American Society of Cataract and Refractive Surgeons (ALACCSA-/LASCRS)
Chair: Edward J. Holland, MD
Co-Chairs: Graham D. Barrett, FRANZCO; Beatrice Cochener, MD, PhD; William C. De La Peña, MD

Cornea Essentials [ESSENTIALS]
Moderators: Terry Kim, MD; Francis S. Mah, MD

Mastering It All: Tips for Success From Successful Female Leaders [NEW]
Moderators: Preeya K. Gupta, MD; Susan M. MacDonald, MD

Global Efforts in Addressing Avoidable Blindness and Models of Care/Training [NEW]
Moderators: David Hunter Cherwek, MD; Alan S. Crandall, MD

Is This the End of Fee-for-Service?
Sponsored by the ASCRS Government Relations Committee
Moderators: Harold Miller; Parag D. Parekh, MD, MPA
Guest Speaker: Steve Forbes

The Complete Guide to Management of Astigmatism: Everything You Need to Know to Optimize Cornea and Lens-based Options [ESSENTIALS]
Sponsored by the ASCRS Refractive Surgery Clinical Committee
Moderators: Daniel H. Chang, MD; William F. Wiley, MD

SWEATING BULLETS: A New Competition [NEW]
Moderator: Robert H. Osher, MD

The Winning Pitch Challenge (Non-CME) [NEW]
Moderators: Edward J. Holland, MD; Vance Thompson, MD

Symposium of Challenging Cases
Sponsored by the Brazilian Association of Cataract and Refractive Surgery (BRASCRS)
Moderators: Gustavo V. Baptista, MD, PhD; Walton Nosé, MD; Roberto Pineda, MD

Communicating and Evaluating Adverse Events Associated with an FDA-Approved Medical Device
Sponsored by the ASCRS FDA Committee
Moderator: Natalie A. Afshari, MD
ASCRS INSTRUCTIONAL COURSES

Mastering the Details of Phacoemulsification with Active Fluidics [NEW]
Instructor: Kevin M. Miller, MD

State-of-the-Art Drop-Free Cataract Surgery: Intracameral Antibiotics, NSAIDs and Corticosteroids, and More
Instructor: Neal H. Shorstein, MD

How to Calculate Topographic-Guided Laser-Assisted In Situ Keratomileusis Treatments: Pearls and Pitfalls
Instructor: Mark C. Lobanoff, MD

Iris-Suturing Techniques
Instructor: Steven B. Siepser, FACS, MD

Modern Understanding of Accommodation: Treatment Approaches, Current, and Future
Instructor: Daniel B. Goldberg, MD

Infectious, Inflammatory, and Toxic Complications Following Cataract Surgery: Endophthalmitis, TASS, TPSS, HORV [NEW]
Instructor: Nick Mamalis, MD

Curing World Blindness and Cataract Surgery in the Developing World: Lessons Learned by Members of the ASCRS Foundation International Committee
Instructor: Lisa Park, MD

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

DMEK from D to K: A Step-by-Step Approach to Descemet’s Membrane Endothelial Keratoplasty
Instructor: Neera Singh, MD

Tackling Posterior Capsule Rupture and IOL Implantation: Video-Based Course
Instructor: Priya S. Narang, MD

Management of the Extreme Cataract: White and Black
Instructor: Soon-Phaik Chee, FRCSEd, FRCoPhth

Iris Prostheses in Action: Surgical Tips for Challenging Cases
Instructors: Nicole R. Fram, MD; Michael E. Snyder, MD

International Video Symposium of Challenging Cases and Complication Management
Instructor: Robert H. Osher, MD

Advanced Astigmatism Management to Achieve the Best Refractive Cataract Surgery Outcomes [NEW]
Instructor: Matteo Piovella, MD

Keratoprosthesis in the Management of Corneal Blindness: An Update on Recent Advances, Expanding Indications, Challenging Cases and Improving Outcomes
Instructor: Jose M. Vargas, MD

Deep Anterior Lamellar Keratoplasty: From Basic to Advanced
Instructor: Vincenzo Sarnicola, MD

Ocular Surface Procedures in the Treatment Room
Instructor: Clara C. Chan, MD, FRCS

Understanding Topography and Corneal Aberrations [NEW]
Instructor: Warren E. Hill, MD

Pearls and Pitfalls in Challenging Capsular Surgical Scenarios: Video-Based Course [NEW]
Instructor: Rohit O. Parkash, MS

Perioperative Pharmaceutical Management of Ophthalmic Surgery
Instructor: William G. Myers, MD

Management of Preexisting and Postoperative Corneal and Ocular Surface Problems During Phacoemulsification
Instructor: Namrata Sharma, MD

Deep Anterior Lamellar Keratoplasty: New Frontiers
Instructor: Enrica Sarnicola, MD

Update on Presbyopia Correction in 2019- Presented in Spanish [NEW]
Sponsored by the Latin American Society of Cataract and Refractive Surgery (ALACCSA-R LASCRS)
Instructor: Virgilio Centurión, MD

Innovative Techniques and Technologies to Conquer Brunescence Cataracts [NEW]
Instructor: Arup Bhaumik, MS

2019 Cataract Surgery Update: Correcting Refractive Defects and Overcoming Presbyopia Limitations [NEW]
Instructor: Barbara Kusa, MD

Getting the Right Outcome after Crosslinking [NEW]
Instructor: Pooja Khamar, MS

Data-Driven Management of Diabetic Macular Edema for the Comprehensive Ophthalmologist
Instructor: Michael W. Stewart, MD

Mastering Pre-Descemet’s Endothelial Keratoplasty
Instructor: Lional Raj Daniel Raj Ponniah, DO, MD

Phaco Follies: How I Wish I Had a Second Chance [NEW]
Instructor: Deepak U. Megur, FRCSEd

Best of ASCRS- Presented in Korean [NEW]
Sponsored by Korean Society of Cataract and Refractive Surgery (KSCRS)
Instructors: Hyun Seung Kim, MD; Man Soo Kim, MD, PhD; Hungwon Tchah; MD, PhD

Optimizing Toric IOL Outcomes
Instructor: Adi Abulafia, MD
ASCRS PROGRAM  |  SUNDAY, MAY 5

ASCRS SCIENTIFIC PAPER SESSIONS

Post-Refractive Cataract Surgery/Secondary IOLs
Keratoplasty DALK
Femtosecond Laser-Assisted Cataract Surgery
Cataract Surgery Complications
Keratoconus
Refractive Outcomes
Challenging Cases
IOL Design And Characteristics
Toric IOLs And Toric IOL Calculations
Keratoconus/Crosslinking
MI GS
Femtosecond Laser-Assisted LASIK
Presbyopia Correcting IOL Comparisons
Cataract Surgery Outcomes, Training, and Practice Patterns
DMEK/DSAEK
Keratoconus, Contact Lenses, and Intrastromal Rings
Sedatives/Anesthesia and Mydriasis
Measurements and Medications

ASCRS SKILLS TRANSFER LABS*

Secondary IOL Implantation
Instructor: George H. Beiko, BM, BCh, FRCSC

Anterior Vitrectomy
Instructor: Lisa B. Arbisser, MD

Phaco Refinement
Proctors: Yuri F. McKee, MD, MS; Audrey Talley-Rostov, MD

ECCE/SICS
Instructor: Jeff Pettey, MD

Iris Suture
Instructor: Steven B. Siepser, FACS, MD

ECCE/SICS
Instructor: John D. Welling, MD

Iris Prostheses
Instructor: Michael E. Snyder, MD

POSTER PAVILION

ASCRS Electronic Posters, ASCRS Films and the Hall of Fame Videos can be viewed on-demand at the kiosks and the ASCRS website.

POSTER PRESENTATIONS AND AWARDS

Best Residents and Fellows Papers and Posters
Cornea Posters

For detailed program information view the Real-Time Program at ascrs.org/program19

*Separate registration and fee required
This session features special innovative presentations followed by the ASCRS 2019 Charles D. Kelman, MD Innovator’s Lecture:

Collaborative Innovation

Ron M. Kurtz, MD

More details to follow: ANNUALMEETING.ASCRS.ORG
MONDAY, MAY 6

ASCRS INNOVATORS GENERAL SESSION

10:00–11:30 a.m.

Featuring

2019 CHARLES D. KELMAN, MD
INNOVATOR’S LECTURE
Collaborative Innovation
RON M. KURTZ, MD

ASCRS SYMPOSIA

Highlights from the Military Refractive Surgery Safety and Standards Symposium held in San Diego in January 2019
Moderators: Elizabeth M. Hofmeister, MD; Gary L. Legault, MD; J. Richard Townley, III, MD

Challenging Cases Video Symposium
Sponsored by the Cataract Clinical Committee
Moderator: Kevin M. Miller, MD

Crosslinking Essentials [ESSENTIALS]
Sponsored by the ASCRS Cornea Clinical Committee and ASCRS Refractive Surgery Clinical Committee
Moderators: Francis S. Mah, MD; John A. Vukich, MD

Glaucoma Essentials [ESSENTIALS]
Sponsored by the ASCRS Glaucoma Clinical Committee
Moderators: Michael F. Oats, MD; Thomas D. Patrianakos, DO; Amy Zhang, MD

Controversies in Anterior Segment Surgery
Sponsored by the Journal of Cataract & Refractive Surgery
Moderators: Nick Mamalis, MD; Sathish Srinivasan, FRCSEd, FRCOphth

EyeConnect Live–Anchorman Edition
Sponsored by the ASCRS EyeConnect Committee
Moderator: John D. Odette, MD

Managing the Unhappy Post-Refractive Patient
Sponsored by the Eye and Contact Lens Association (ECLA)
Moderators: Jessica B. Ciralsky, MD; Michelle K. Rhee, MD

The Perfect Save: Challenging Cases Managed by International Experts
Sponsored by the International Intra-Ocular Implant Club (IIIC)
Moderators: Eric D. Donnenfeld, MD; Stephen G. Slade, MD

ASCRS INSTRUCTIONAL COURSES

Phacoemulsification in Complicated Cases: Simplify the Complex
Instructor: Mahipal S. Sachdev, MD

Optimizing Toric IOL Outcomes
Instructor: Ronald Yeoh, MD, FRCS

Learning from Our Mistakes VIII: International Video Symposium-Presented in Spanish [NEW]
Sponsored by the Latin American Society of Cataract and Refractive Surgery (ALACCSA-R LASCRS)
Instructor: Guadalupe Cervantes-Coste, MD

Different Methods for Intraocular Lens Exchange [NEW]
Instructor: Maria S. Romero, MD

Corneal Topographic Analysis and Anterior Segment Imaging: Pearls for Your Clinical Practice
Instructor: Mitchell P. Weikert, MD, MS

Famous Under 45: Innovative Contributions from Young Surgeons Across the Globe [NEW]
Instructor: Samaresh Srivastava, MD

Understanding and Managing Patients Unhappy with Visual Quality and/or Night Vision Symptoms after Presbyopia-Correcting IOL Implantation
Instructor: Daniel H. Chang, MD

Small-Incision Lenticule Extraction: Understanding a New Paradigm
Instructor: Chitra R. Ramamurthy, MD

Use of Surgical Adhesives and Amniotic Membrane in Ocular Surgery
Instructor: John A. Hovanesian, MD

Best Practices for IOL Power Selection in 2019 [NEW]
Instructor: Li Wang, MD, PhD

Intraocular Lens Exchange
Instructor: Nicole R. Fram, MD

Cataract Surgery: What I Say – Conversations that Improve the Physician-Patient Relationship [NEW]
Instructor: Jack S. Parker, Jr., MD

Mastering MIGS: Pearls for Beginner and Intermediate Surgeons
Instructor: Carlos Buznego, MD
ASCRS INSTRUCTIONAL COURSES (CONTINUED)

Application of Small-Aperture Intraocular Lens Technology in Cataract and Refractive Surgery [NEW]
Instructor: Gerd U. Auffarth, MD, PhD

Customizing Cataract Surgery [NEW]
Instructor: Karl G. Stonecipher, MD

Latest in IOL Power Calculation
Instructor: Kenneth J. Hoffer, MD

Glued IOLs and the Yamane Double-Needle Flange Technique: Intrascleral Haptic-Fixation Methods—Video-Based Course
Instructor: Ashar Agarwal, MBBS, MS, FRCS

Cornea Lumps, Bumps, and Bruises [NEW]
Instructor: Sumitra S. Khandelwal, MD

Mastering the Posterior Capsule: Thinking-Out-of-the-Bag Paradigm Shift
Instructor: Lisa B. Arbisser, MD

Fundamentals of Anterior Segment Reconstruction
Instructor: Brandon D. Ayres, MD

Advanced Descemet Membrane Endothelial Keratoplasty
Instructor: Gerrit Melles, MD, PhD

Managing Complications in Lamellar Keratoplasty
Instructor: Rajesh Fogla, MD, FRCS

ASCRS SCIENTIFIC PAPER SESSIONS

DMEK
K-Pro/Orthokeratology
Meibomian Gland Dysfunction
Inflammation, Pain, Infection
Refractive Comparisons
Presbyopia Correction
Infectious Keratitis
Endothelial Keratoplasty: Techniques and Outcomes
Ocular Surface Disease: Dry-Eye Treatments
Biometry
Glaucoma Surgical Outcomes
Pediatric/Cataract Education
Phakic IOLs/Intrastromal Corneal Ring Segments/Intraocular Collamer Lenses
Phacoemulsification
Femtosecond Laser-Assisted Cataract Surgery

Keratoconus/Crosslinking
MIGS
PRK/LASIK/LASEK

ASCRS SKILLS TRANSFER LABS*

Iris Suture
Instructor: Nicole R. Fram, MD

MIGS, Part A
Instructor: Nir Shoham-Hazon, MD

Phaco Refinement
Proctors: Edwin S. Chen, MD; D. Brian Kim, MD; Matthew Runde, MD

Advanced Phaco
Instructor: Yousuf M. Khalifa, MD

MIGS, Part B
Instructor: Nir Shoham-Hazon, MD

POSTER PAVILION

ASCRS Electronic Posters, ASCRS Films and the Hall of Fame Videos can be viewed on-demand at the kiosks and the ASCRS website.

POSTER PRESENTATIONS AND AWARDS

Glaucoma Posters
Pediatric Posters
Retina Posters

37TH ANNUAL FILM FESTIVAL RECEPTION AND AWARDS CEREMONY

Hosted by Film Festival Chair Shachar Tauber, MD

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 7.

For detailed program information view the Real-Time Program at ascrs.org/program19
THE BEST OF
ASCRS 2019
GENERAL SESSION

This special wrap-up session will highlight some of the most important and interesting papers presented at the 2019 ASCRS Annual Meeting from among the “Best Paper of Session” winners. Following summary presentations of the best papers, the specialty editors of EyeWorld will debate the conclusions and implications in a free-flowing panel discussion.

MODERATOR

Eric Donnenfeld, MD

Preeya Gupta, MD

John Hovanesian, MD

Nathan Radcliffe, MD

Richard Tipperman, MD

Roger Zaldivar, MD

PRESENTERS

Reay Brown, MD

David Chang, MD

Oliver Findl, MD

Edward Holland, MD

Edward Manche, MD

PANELISTS

More details to follow:
ANNUALMEETING.ASCRS.ORG
TUESDAY, MAY 7

THE BEST OF ASCRS 2019
GENERAL SESSION

1:00–2:30 p.m.
Moderator: Eric D. Donnenfeld, MD

This special wrap-up session will highlight some of the most important and interesting papers presented at the 2019 ASCRS Annual Meeting from among the “Best Paper of Session” winners. Following summary presentations of the best papers, the panelists will debate the conclusions and implications in a free-flowing panel discussion.

ASCERS SYMPOSIA

Best of ASCRS-Presented in Spanish
Co-Sponsored by the Latin American Society of Cataract and Refractive Surgery (ALACCSA-R LASCRS)
Moderators: Carlos L. Nicoli, MD; Bruna V. Ventura, MD, PhD

X-Rounds: Refractive Cataract Surgery to the Max
Moderator: Eric D. Donnenfeld, MD

ASCERS INSTRUCTIONAL COURSES

Intraocular Lens Placement When Capsule Is Not Normal: Video-Based Course with Practical Advice on How to Assess, Plan, and Learn Advanced Techniques
Instructor: Cathleen M. McCabe, MD

Best of the Best: An Update on Advanced Cataract Surgery
Instructor: Richard L. Lindstrom, MD

Correction of Astigmatism Using Toric IOLs, LRIs, and Refractive Laser Surgery
Instructor: Noel A. Alpins, MD

Transition to DMEK and Beyond, Tips and Techniques for Success
Instructor: Michael D. Strairko, MD

Pearls and Pitfalls While Performing Intracocular Fixation of Intraocular Lenses with the Yamane Technique [NEW]
Instructor: Surendra Basti, MD

How to Avoid Ectasia after LASIK: Update on New Concepts and Technologies [NEW]
Instructor: Marcony R. Santhiago, MD, PhD

The Intersection of Cornea and Glaucoma [NEW]
Instructor: Ross MacIntyre, MD, FRANZCO

Review of New Surgical Technologies and Devices—Presented in Russian [NEW]
Instructor: Elena Vialova, MD

Photorefractive Keratectomy [NEW]
Instructor: Arun Sethi, MS

Hot Topics on Myopia Correction Through All Stages of Life [NEW]
Instructor: Ashraf Armia Balamoun, FRCS, MD

Keratoconus Management: What, When, and How-to-Do [NEW]
Instructor: Elias F. Jarade, MD

Crosslinking: Past, Present, and Future—The View from 3 Continents [NEW]
Instructor: Roy S. Rubinfeld, MD, MA

State-of-the-Art Corneal Topographic Indices in the Screening of Keratoconus Risk for Refractive Surgery [NEW]
Instructor: Ronald R. Krueger, MD

Simplified Approach to Lamellar Keratoplasty [NEW]
Instructor: Hazem M. Yassin, PhD

The Best of 2019 ASCRS-Presented in Portuguese [NEW]
Instructor: Gustavo V. Baptista, MD, PhD

Optimizing Toric IOLs: Management of Corneal Astigmatism in Cataract Surgery [NEW]
Instructor: Arulmozhhi Varman, MD

Four Strategies to Combat Burnout [NEW]
Instructor: Thandeka Myeni, MD, MPH

Bifocal, Trifocal, and EDOF IOLs for Presbyopia Correction: Choosing the Best Option [NEW]
Instructor: Sebastian Onnis, MD
ASCRS PROGRAM | TUESDAY, MAY 7

ASCRS SCIENTIFIC PAPER SESSIONS
Extended-Depth-of-Focus IOLs
Russian Paper Session – Presented in Russian
Phacoemulsification Challenging Cases
IOL Power Calculations
Trifocal IOLs
Refractive Outcomes and SMILE
Phaco Instruments and Techniques
Astigmatism Management
Small Aperture IOLs, Corneal Inlays, and Pharmacologic Treatment

POSTER PAVILION
ASCRS Electronic Posters, ASCRS Films and the Hall of Fame Videos can be viewed on-demand at the kiosks and the ASCRS website.

ASCRS FILMS AND FILM THEATER
View winning films from the 2019 ASCRS Film Festival in their entirety while comfortably seated in a session room. Films can also be viewed on-demand at kiosks located in the Poster Pavilion and on the ASCRS website.

For detailed program information view the Real-Time Program at ascrs.org/program19
Celebrate
Join the American Society of Ophthalmic Administrators in San Diego.

Parq Nightclub
615 Broadway, San Diego, CA

Sunday, May 5
8:00 p.m. - 12:00 a.m.

PRIVATE EVENT - ASCRS•ASOA BADGE REQUIRED FOR ADMISSION

More details to follow:
AnnualMeeting.ascrs.org
YOUR DESTINATION FOR:

• A comprehensive practice management educational program
• Networking
• Leadership and strategic management training
• The latest information on new equipment, technology, and techniques

The American Society of Ophthalmic Administrators (ASOA) is the premier organization dedicated to educating ophthalmic practice administrators and their practice management staff. This year, administrators and staff will be able to choose from more than 150 educational courses on an array of topics essential to practice management. These topics include MACRA and MIPS, coding, reimbursement, human resources, information technology, marketing, business operations and many other strategies for successful practice management. This preview program lists courses by day and knowledge pathway, so attendees can easily see at a glance all the courses in a knowledge pathway on a given day. This design also provides practice leaders with an effective way to educate staff on topics that directly affect their work.

ASOA PROGRAM: JOINT REGISTRATION

The 2019 meeting offers a joint registration category for those interested in attending both the ASOA and Technicians & Nurses programs. Crossover is easy because the programs are on the same floor. Crossover between the ASOA Annual Meeting and Technicians & Nurses program will only be permitted to those registered in the joint registration category.

HANDOUTS

Course handouts for the ASOA Annual Meeting will be provided via the ASCRS ASOA Meetings App and the ASOA website at www.asoa.org beginning in April 2019. To properly plan and prepare, please print or download the handouts for the sessions you will attend from the website in advance. Printing of handouts will NOT be available onsite.
An enhanced customizable program scheduler will be released as part of the app and final program book.

### SCHEDULE AT A GLANCE

| THURSDAY, MAY 2 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|----------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration   |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

| FRIDAY, MAY 3 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|---------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration  |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Pre-Conference Deep Dives* |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Practice Management Courses |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| COE Review, Part 1* |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

| SATURDAY, MAY 4 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|----------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration   |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| Exhibit Hall   |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Opening General Session |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Networking and Engagement Lounge |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Roundtables |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Practice Management Courses |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| COE Review, Part 2* |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASCRS•ASOA Welcome Party |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

| SUNDAY, MAY 5 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|---------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration  |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| Exhibit Hall  |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Sunday General Session |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Networking and Engagement Lounge |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Practice Management Courses |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Celebration |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

| MONDAY, MAY 6 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|---------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration  |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| Exhibit Hall  |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Networking and Engagement Lounge |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Practice Management Courses |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

| TUESDAY, MAY 7 | 6:00 a.m. | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|----------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Registration   |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Networking and Engagement Lounge |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| Certified Ophthalmic Executive (COE) Exam* |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |
| ASOA Practice Management Courses |           |           |           |           |            |            |            |            |            |            |            |            |            |            |            |

Subject to change.
*Separate registration and fee apply.
Human Resources: What Practice Leaders Need to Know

This intensive HR course, including case studies, focuses on topics that practice leaders need to understand in order to succeed, including: HR Compliance, Employee Personnel Files, Leadership Development, Hiring and Onboarding New Employees, and Staff Orientation.

Seven Habits of Highly Effective Leaders

Every leader faces similar challenges in trying to optimize their practice. This course provides attendees with an in-depth understanding of seven proven habits for highly effective practice leaders to successfully navigate change, instill accountability, reduce system waste, increase access and practice financial margin, while enhancing the patient and provider experience.

Learn how to build individual and team skills to develop a culture of accountability and engagement amongst physician, leadership, and staff to foster long-term cultural transformation. Through hands-on training, case studies and opportunities for audience participation, attendees will learn techniques they can implement in their practices to improve communication and effectiveness.

Learn how to identify areas for targeted process improvement and develop an optimal team-based culture through successful change management techniques.

The Ritz-Carlton Leadership Center: “Excellence in the Patient Experience & Memorable Customer Service”

Part 1: Creating an excellent service culture for patients begins with creating trust.

To create an experience that drives patient loyalty, an organization must offer consistently exceptional service to patients. Creating an organizational culture that will foster and sustain such a service culture begins by understanding the foundational business practices of The Ritz-Carlton, and how to leverage these processes in the healthcare industry. Throughout this journey, attendees will learn how service provider onboarding and empowerment drives an elevated patient experience.

Part 2: Service is the true brand differentiator, and authentic, personalized service is what drives customer loyalty.

To create customer loyalty, you must first elevate the customer experience. This journey focuses on the emotional and psychological aspects of creating a culture where personalized and impressive service is the norm. Learning will continue as attendees are taken through The Ritz-Carlton methods for fulfilling unexpressed wishes and needs, learning to stay-in-the-moment, and creating personalized experiences that surprise and delight. Attendees will also discover and discuss the critical skills necessary for authentic customer engagement, and how to foster them in their employees.

Practice Management Bootcamp

So, you’ve recently entered the ever-changing world of ophthalmic business and leadership ... Now what? Experienced subject matter experts will help you tackle practice management challenges in core areas, from quality measures and government regulations to improving practice performance through flow and efficiency. This is a must-attend if you’re interested in learning more about the business of ophthalmology!

Certified Ophthalmic Executive (COE) Review: Parts 1 & 2

Prepare for the Certified Ophthalmic Executive (COE) Exam in this two-day deep dive that touches on each of the six knowledge domains and is one of several recommended COE study resources. Attendance does not guarantee passage of the COE Exam.
FRIDAY, MAY 3

ASOA PRE-CONFERENCE DEEP DIVES

Attend specialized hands-on training and leadership deep dives designed to increase your leadership skills, improve your confidence, and expand your career opportunities. Seating is limited. Register early for your preferred selections. (Separate fees apply).

COE REVIEW: PARTS 1 & 2

FRIDAY, MAY 3
8:00 a.m.–5:30 p.m.

SATURDAY, MAY 4
1:00–5:30 p.m.

Attendee Limit: 50

Prepare for the COE Exam in this two-day deep dive that touches on each of the six exam domains and is one of several recommended COE study resources. Attendance does not guarantee passage of the COE Exam.

PRACTICE MANAGEMENT BOOTCAMP

8:00 a.m.–5:00 p.m.

Attendee Limit: 100

So, you’ve recently entered the ever-changing world of ophthalmic business and leadership ... Now what? Experienced subject matter experts will help you tackle practice management challenges in core areas, from quality measures and government regulations to improving practice performance through flow and efficiency. This is a must-attend if you’re interested in learning more about the business of ophthalmology!

THE RITZ-CARLTON LEADERSHIP CENTER

EXCELLENCE IN THE PATIENT EXPERIENCE & MEMORABLE CUSTOMER SERVICE

8:00 a.m.–5:00 p.m.

Attendee Limit: 100

PART 1: Creating an excellent service culture for patients begins with creating trust.

To create an experience that drives patient loyalty, an organization must offer consistently exceptional service to patients. Creating an organizational culture that will foster and sustain such a service culture begins by understanding the foundational business practices of The Ritz-Carlton, and how to leverage these processes in the healthcare industry. Throughout this journey, attendees will learn how service provider onboarding and empowerment drives an elevated patient experience.

PART 2: Service is the true brand differentiator, and authentic, personalized service is what drives customer loyalty.

To create customer loyalty, you must first elevate the customer experience. This journey focuses on the emotional and psychological aspects of creating a culture where personalized and impressive service is the norm. Learning will continue as attendees are taken through The Ritz-Carlton methods for fulfilling unexpressed wishes and needs, learning to stay-in-the-moment, and creating personalized experiences that surprise and delight. Attendees will also discover and discuss the critical skills necessary for authentic customer engagement, and how to foster them in their employees.
HUMAN RESOURCES: WHAT PRACTICE LEADERS NEED TO KNOW

8:00 a.m.–5:00 p.m.
Attendee Limit: 60

This intensive HR course focuses on topics that practice leaders need to understand in order to succeed, including:

• HR Compliance
• Employee Personnel Files
• Leadership Development
• Hiring and Onboarding New Employees
• Staff Orientation
• Case Studies (interactive discussions on hot topics)

SEVEN HABITS OF HIGHLY EFFECTIVE LEADERS

8:00 a.m.–5:00 p.m.
Attendee Limit: 75

Every leader faces similar challenges in trying to optimize their practice. This course provides attendees with an in-depth understanding of seven proven habits for highly effective practice leaders to successfully navigate change, instill accountability, reduce system waste, increase access and practice financial margin, while enhancing the patient and provider experience. Learn how to build individual and team skills to develop a culture of accountability and engagement amongst physician, leadership, and staff to foster long-term cultural transformation. Through hands-on training, case studies and opportunities for audience participation, attendees will learn techniques they can implement in their practices to improve communication and effectiveness. Learn how to identify areas for targeted process improvement and develop an optimal team-based culture through successful change management techniques.

For detailed program information view the Real-Time Program at asoa.org/program19
ASOA OPENING
GENERAL SESSION

KEYNOTE SPEAKER
BRAD MONTGOMERY

Embrace Your Awesomeness

Brad Montgomery will use humor, stories and music to illustrate ways to improve our ability to meaningfully encourage others. Discover ways to achieve untapped productivity and accuracy while creating and sustaining positivity, optimism, and meaningfulness in others.

*The ASOA Opening General Session does not qualify for COE or CME credit.

REGISTER TODAY

TIER ONE
REGISTRATION DEADLINE
Wednesday, February 6

TIER TWO
REGISTRATION DEADLINE
Wednesday, April 3

More details to follow:
AnnualMeeting.ascrs.org
ASOA PROGRAM | SATURDAY, MAY 4

SATURDAY, MAY 4

ASOA OPENING GENERAL SESSION
Embrace Your Awesomeness
KEYNOTE SPEAKER:
BRAD MONTGOMERY
9:00–11:00 a.m.
Knowing that our people are our most valuable asset isn’t enough. We need to fully understand how to empower and inspire them. Brad Montgomery will use humor, stories, music, and other tools to illustrate ways to improve our ability to meaningfully encourage others. Discover ways to achieve untapped productivity and accuracy while creating and sustaining positivity, optimism, and meaningfulness in others. Focusing on the people side of business not only improves the bottom line, it can be enormously satisfying, inspiring, and sometimes very funny.
Join us after Brad’s session for a meet and greet with the speaker and special DVD sale.

The ASOA Opening General Session does not qualify for COE or CME credit.

ROUNDTABLE DISCUSSIONS
11 a.m.–12:00 p.m.
One hour of open discussions on various practice management topics. Each table has a facilitator experienced in the topic. Move from topic to topic as you wish. Visit the ASCRS-ASOA Real Time Program for a list of topics.

WRITER’S WORKSHOP AND LUNCHEON
AE EDITORIAL ADVISORY BOARD BOOTCAMP
11:30 a.m.–1:00 p.m.
Get published! A boot camp for developing your professional writing skills.
Solved a problem in your practice? Have a story you’d like to share with the wider world of healthcare administrators? Simply like to write and want to see your byline in print? This Lunch-n-Learn panel discussion will equip you with tools for getting published in professional business journals. Here, a panel of experienced and newbie AE writers will share their tips on how to get started, how to build your story or idea into a publishable article, and how to work with journal guidelines and editors. At session’s end, you’ll take home the seed of an article and a handout of curated tips for getting published. Sponsored by the AE Editorial Advisory Board. Enrollment is limited; register early (2018 workshop was a sell-out). Your $35 ticket includes the session, boxed lunch and handouts.

ASOA PRACTICE MANAGEMENT COURSES
1:30–5:00 p.m.
Courses are listed by knowledge pathway and title below. For complete faculty listings and course descriptions, please visit the Real Time Program online at AnnualMeeting.ascrs.org.

ASOA FEATURED SESSIONS
2019 ASCRS/ASOA Health Information Technology Symposium
Sponsored by the ASCRS/ASOA HIT Committee
Instructor: Scott W. Peterson

2019 Legislative & Regulatory Affairs Update
Instructor: Nancey McCann

ADVANCED ADMINISTRATOR
Boosting Your Well-Oiled Cataract Machine’s Performance: A Year-Long Case Study in State-Wide Cataract Growth While Changing Your Practice Name
Instructor: Trent Roark, MBA

Increasing Your Customer Service EQ: Understanding How Emotions Relate to the Three Key Patient Expectations
Instructor: Patty Casebolt

Private Equity in Eye Care – The Current State
Instructor: Daniel Chambers, MBA, COE

BUSINESS MANAGEMENT
Diagnosing the Health of Your Revenue Cycle Management Functions
Instructor: Matthew Chapman, MHA, COE

Go Deeper with Benchmarking: Solving Real Practice Problems Through Objective Data
Instructor: Andrew Maller, MBA, COE

Three Common Business Cases: Adding a Provider, Opening a Satellite, and Promoting a Worker to Manager
Instructor: Corinne Wohl, MHSA, COE

CODING & BILLING
Evaluating and Implementing New Technology in Your Practice
Instructor: Paul Larson, MBA, COE

Medicare Update—What You Need to Know for 2019
Instructor: E. Ann Rose, FASOA

Training Technicians on Coding
Instructor: Ellen Adams, MBA, COMT
ASOA PROGRAM | SATURDAY, MAY 4

EHR & HEALTH INFORMATION TECHNOLOGY
Cybersecurity–Surviving in the World of Hackers
Instructor: Gerald Meltzer, MD

HIPAA and You–Staying Out of Trouble with the Fed
Instructor: Gerald Meltzer, MD

HUMAN RESOURCES
Coaching v. Termination: When to Fire and When to Inspire
Instructor: Savory Turman, COMT, OCS

Successful Hiring Strategies for Productive Employees
Instructor: Amanda Mestler

Workplace Misconduct and Harassment in the Post #MeToo World
Instructor: Daniel Chambers, MBA, COE

LEADERSHIP & STRATEGIC MANAGEMENT
Earning Top Rankings for Multiple Locations: Everything You Need to Know About SEO for Group Practices
Instructor: Ryan Miller

Improving Patient Flow
Instructor: Lisa Miller, COE, COMT

Nuts and Bolts of Fully Integrating Your Optical: People Factors
Instructor: Allison Gilmore, MBA, COE

Understanding the Power of Servant Leadership for Managing Personnel
Instructor: Karen Bachman, COE, ROUB, COMT

MARKETING & BUSINESS DEVELOPMENT
10 Steps to a Phenomenal Patient Experience: Customer Service Secrets for the Eye Care Team
Instructor: Sharon Alamalhodaei, COMT, OSC

Cataract Surgery Digital Branding Case Study
Instructor: Michael Dobkowski, MBA

Diabetes: Open the Door to New Patients and New Markets
Instructor: Mary Sue Jacka, MBA, COE, FASOA

Marketing Crash–Why Some Practices Succeed and Others Fail
Instructor: Paul Stubenbordt

Practice Marketing Success in a Brave New Digital World
Instructor: David Evans, PhD, MBA

RISK MANAGEMENT & COMPLIANCE
An Innovative Approach to Compliance Training
Instructor: Elizabeth Cifers, MBA, CPC

Compliance Plans–Keeping It Simple
Instructor: Ellen Adams, MBA, COMT

Getting Your Docs Onboard: Practical Strategies to Achieve and Maintain Physician Engagement in Compliance
Instructor: Zachary Smith, MHSA, COE

Safety–Whose Job Is It?
Instructor: Dianna Graves, COMT, OSC

You Used to Call Me on the Cell Phone
Instructor: Chad Schiffman

SUB-SPECIALITIES (AMBULATORY SURGERY CENTER, OPTICAL, RETINA, COSMETICS, HEARING, ETC.)
Designing/Developing a Successful Ophthalmic ASC
Instructor: John Marasco

How to Effectively Market Your Optical Dispensary Inexpensively
Instructor: Arthur De Gennaro, ABO, LDO

What Every Administrator (and Optician) Should Know About the Dispensary Selling Process
Instructor: Arthur De Gennaro, ABO, LDO
ASOA SUNDAY
GENERAL SESSION

KEYNOTE SPEAKER
CARA SILLETTO, MBA

Staying Power: Why Your Employees Leave & How to Keep Them Longer

While some of today’s workforce is made up of deep-rooted, dependable staff, a larger number of positions are now a revolving door of employee turnover. Cara Silletto will share insight on why staffing is so challenging today and additional ways to gain greater staffing stability. Join us to learn how to slow the revolving door, more effectively manage the impending shorter-term workforce, and maximize the time you have with each employee.

*The ASOA Sunday General Session qualifies for COE and CME credit.

REGISTER TODAY

TIER ONE
REGISTRATION DEADLINE
Wednesday, February 6

TIER TWO
REGISTRATION DEADLINE
Wednesday, April 3

More details to follow:
AnnualMeeting.ascrs.org
SUNDAY, MAY 5

ASOA SUNDAY GENERAL SESSION

Staying Power: Why Your Employees Leave & How To Keep Them Longer

Keynote Speaker: CARA SILLETTO, MBA
8:30–10:00 a.m.

While some of today’s workforce is made up of deep-rooted, dependable staff, a larger number of positions are now a revolving door of employee turnover. Cara will share insight on why staffing is so challenging today and additional ways to gain greater staffing stability. Join us to learn how to slow the revolving door, more effectively manage the impending shorter-term workforce, and maximize the time you have with each employee.

Join us after Cara’s session for a meet and greet with the speaker and special book sale.

The ASOA Sunday General Session qualifies for COE and CME credit.

ADMINISTRATOR BEGINNERS CIRCLE (ABC) LUNCHEON

11:30 a.m. – 1:00 p.m.

Join members of the ABC group for a speed networking luncheon! Attendance open to attendees with four or fewer years of ophthalmic practice management experience. Advanced registration required. Separate registration and fees apply.

ASOA PRACTICE MANAGEMENT COURSES

10:30–11:30 a.m.
1:30–5:00 p.m.

ASOA FEATURED SESSIONS

2019–The Third Year of MIPS–What You Need to Know to be Successful
Instructor: Nancey McCann

ASOAnalytics–Practical Uses from Administrators
Instructor: Maureen Waddle, MBA

ADVANCED ADMINISTRATOR

Effectively Communicating with Patients: Techniques to Enhance the Quality of Care
Instructor: Kemp Shafer

Importance of Training to Engage the Workforce
Instructor: Monique Robinson Clark

Optimizing the Operations of a LASIK and IOL Refractive Surgery Practice
Instructor: Jason Brinton, MD, ABO

What’s Hot in Ophthalmology Practice Management: Five Current Trends for Administrators
Instructor: Craig Piso, PhD

BUSINESS MANAGEMENT

Clinic Efficiency Pearls
Instructor: Kenneth Woodworth, COMT, COE, FASOA

Eating the Elephant – How Agile/Scrum Methodology Will Transform Your Practice
Instructor: Kurtis Wankier

How to SS Your Clinic–Increasing Efficiency and Effectiveness
Instructor: Adrienne Lloyd, MHA, FACHE

MSO Model Market Consolidation – Pros and Cons Case Studies
Instructor: Thomas Brown-Spencer, JD, COE

Preparing for Private Equity Due Diligence: Operational Assessments
Instructor: Elizabeth Holloway, MA, COE, CPSS, SPHR

CODING & BILLING

Impact of Documentation on Coding and Billing Process
Instructor: Deborah Davis, COE, OCS

Medicare Coding & Compliance–Part 1
Instructor: William Koch, COA, COE, CPC

Medicare Coding & Compliance–Part 2
Instructor: William Koch, COA, COE, CPC

Reimbursement for New Technologies
Instructor: Deborah Davis, COE, OCS

EHR & HEALTH INFORMATION TECHNOLOGY

Data Warehouse: Integrating Your Different IT Systems (EHR, PMS, Optical, ASC, etc.)
Instructor: Daniel Chambers, MBA, COE

Medical Liability – The Dark Side of EHR’s
Instructor: Gerald Meltzer, MD
HUMAN RESOURCES

Ask an Employment Lawyer
Instructor: Joshua Alloy, JD

Coming Full Circle: Integrating the Generations in the Ophthalmic Workplace
Instructor: Jane Shuman, COT, COE, OCS

Onboarding New Employees
Instructor: Hayley Boling, MBA, COE

The Big E–The Employee Experience
Instructor: Susan DeGroot, MBA

LEADERSHIP & STRATEGIC MANAGEMENT

Being a Boss vs Being a Leader–Motivating Employees Through 12 Defining Characteristics of a Leader
Instructor: Paul Stubenbordt

Eight Ways to Motivate–Building Team Morale One Step at a Time
Instructor: Ileana Abreu

Beyond “Good Enough”–: Creating Exceptional Physician/Administrator Relationships
Instructor: Zachary Smith, MHSA, COE

How to Solve the “Cross-Training Conundrum”
Instructor: Ileana Abreu

Recession-Proofing Your Practice for the Next Economic Downturn
Instructor: John Pinto

Small Practice Technician Training
Instructor: Brittany Royster, COT

Taking Department Managers (and Yourself!) to the Next Level of Competence, Performance, and Career Satisfaction
Instructor: Corinne Wohl, MHSA, COE

The Future of Your Practice: Deciding Whether to Partner with Private Equity or Grow Through Strategic Acquisitions
Instructor: J. Matthew Owens, JD

MARKETING & BUSINESS DEVELOPMENT

Aesthetic/Cosmetic Loyalty Marketing: How to Keep Patients Coming Back
Instructor: Cuinn Merrigan

Metrics-Driven Marketing from Your Patients: Let Patient Responses Direct Your Refractive Creative Strategies and Take the Guess Work Out of Marketing
Instructor: Michael Malley, MA

Patient Education Tools That Build Trust and Confidence
Instructor: Cindy Haskell, COE

Premium Lens Conversion Made Easy: The Five-Minute Training Manual for Front Desk, Techs, and Counselors That Has Nothing to Do with IOLs or Laser Technology
Instructor: Michael Malley, MA

Seeing Stars: Using Reviews to Build Practice Revenue
Instructor: David Evans, PhD, MBA

Targeting Millennials and Grandmas Through Facebook
Instructor: Tamara Evans, MS

Top Priorities for Ophthalmology Digital Marketing
Instructor: Michael Dobkowski, MBA

Your Online Marketing ROI–If You Are Confused, You Are Not Alone!
Instructor: Devin Butler

RISK MANAGEMENT & COMPLIANCE

Don’t Be A Slacker, Avoid the Attacker–Cyber Security Preparedness
Instructor: Chad Schiffman

Is Your Compliance Plan Ready to Rock in 2019 & Beyond?
Instructor: Rhonda Buckholtz

The Making of a Government Investigation: Is Your Practice a Potential Target for a False Claims Act Whistleblower?
Instructor: Allison Shuren, MSN, JD

SUB-SPECIALTIES (AMBULATORY SURGERY CENTER, OPTICAL, RETINA, COSMETICS, HEARING, ETC.)

Adding Minimally Invasive Glaucoma Surgery (MIGS) to the Practice
Instructor: John P. Berdahl, MD

An Ophthalmologist’s Perspective to Building a Successful Optical Dispensary
Instructor: Kenneth Low, MD

Optimizing Dispensary Sales Under Managed Care Constraints
Instructor: Arthur De Gennaro, ABO, LDO
Join the American Society of Ophthalmic Administrators in San Diego for one of these interactive lunch programs.

**WRITER’S WORKSHOP AND LUNCHEON**
*AE Editorial Advisory Board Bootcamp*
SATURDAY, MAY 4 | 11:30 a.m. – 1:00 p.m.
Price: $35

Get published! A boot camp for developing your professional writing skills.

Solved a problem in your practice? Have a story you would like to share with the wider world of healthcare administrators? Simply like to write and want to see your byline in print? This Lunch-n-Learn panel discussion will equip you with tools for getting published in professional business journals. A panel of AE writers will share their tips on how to get started, how to build your story or idea into a publishable article, and how to work with journal guidelines and editors. At session’s end, you will take home the seed of an article and a handout of curated tips for getting published.

**ADMINISTRATOR BEGINNERS CIRCLE (ABC) LUNCHEON AND PROGRAM**
SUNDAY, MAY 5 | 11:30 a.m. – 1:00 p.m.
Price: $40

Join members of the ABC group for a speed networking luncheon! Attendance limited to ABC group members with four or fewer years in ophthalmic practice management.

**CERTIFIED OPHTHALMIC EXECUTIVE (COE) LUNCHEON AND PROGRAM**
MONDAY, MAY 6 | 11:30 a.m. – 1:00 p.m.
Price: $55

All currents COEs are invited to register for this innovative lunch program on leadership presented by keynote speaker Kevin Nourse.

*You must be registered for the Annual Meeting in order to register for these events. Questions? Contact: asoa@asoa.org
**MONDAY, MAY 6**

**ASOA PROGRAM**

**MONDAY, MAY 6**

**ASOA PRACTICE MANAGEMENT COURSES**

8:00–11:30 a.m.  
1:30–5:00 p.m.

**CERTIFIED OPHTHALMIC EXECUTIVE (COE) LUNCHEON**

11:30 a.m.–1:00 p.m.

Join fellow COEs for an innovative lunch program on leadership presented by keynote speaker, Kevin Nourse. Advanced registration required. Attendance limited to current COEs. Separate registration and fees apply.

**ASOA FEATURED SESSIONS**

**2019–The Third Year of MIPS–What You Need to Know to be Successful (Repeat)**  
Instructor: Nancey McCann

**ADVANCED ADMINISTRATOR**

Ask the Experts: Ambulatory Surgical Center  
Instructor: Don Holmes, MA

Fostering a Positive Work Climate to Improve Productivity  
Instructor: William Koch, COA, COE, CPC

Leadership Secrets of Oz: What a Scarecrow, a Tin Man, and a Lion Can Teach You About Effective Leadership  
Instructor: Keith Casebolt

Medicare Deactivation: You Could Be Treating Those Patients for Free  
Instructor: Linda Georgian, COE

My Freshman Year at Private Equity U! Real World Lessons Learned After the Close  
Instructor: Kara Vittetoe

Using Data to Effectively Manage Your Specialty Practice  
Instructor: Eimi Rodriguez Cruz

**BUSINESS MANAGEMENT**

Instructor: Kenneth Low, MD

Best Practices for Patient Flow: Organize Appointment Templates, Staffing, and Communications to Smooth the Flow of Your Office  
Instructor: Larry Brooks

Expanding Your Use of Diabetic Eye Exams  
Instructor: Ben Seals, MBA

Financial Statements 101: Evaluating the Health of Your Practice  
Instructor: Andrew Maller, MBA, COE

Mission Possible: Opening a New Location  
Instructor: Susan DeGroot, MBA

New “Normal” for Associate Employment Contracts  
Instructor: Mark Kropiewnicki, JD, LLM

Overcoming the Challenges of Clinical Flow  
Instructor: Jane Shuman, COT, COE, OCS

Too Much to Do? Daily Tasks That Top Your To-Do List  
Instructor: Jane Shuman, COT, COE, OCS

Top Ten Questions Ophthalmology Practices Ask  
Instructor: Mark Kropiewnicki, JD, LLM

**CODING & BILLING**

Avoiding Compliance Pitfalls  
Instructor: Leonard Ginsburg, MD

Common Medicare Denials and How to Prevent Recurrence  
Instructor: Matthew Chapman, MHA, COE

Internal Chart Auditing: Part 1  
Instructor: Mary Pat Johnson COMT, COE, CPC, CPMA

Internal Chart Auditing: Part 2  
Instructor: Mary Pat Johnson COMT, COE, CPC, CPMA

Nuances of Co-Management  
Instructor: Paul Larson, MBA, COE

**EHR & HEALTH INFORMATION TECHNOLOGY**

EHR Can Cause Documentation and Billing Errors Resulting in Financial Loss and Scrutiny  
Instructor: Leonard Ginsburg, MD

Medical Records: Risk Management, Compliance, and HIPAA  
Instructor: Isabelle Bibet-Kalinyak, JD
HUMAN RESOURCES

HR in the Digital Age: Is a Human Capital Management System Right for Your Practice?
Instructor: Zachary Smith, MHSA, COE

Staffing: What’s Keeping You Up at Night?!
Instructor: Dianna Graves, COMT, OSC

Your Staff’s Not Ready!
Instructor: Dianna Graves, COMT, OSC

LEADERSHIP & STRATEGIC MANAGEMENT

Administrators Making the Leap to Ophthalmology—Pearls and Tips
Instructor: Nancy Kennedy

Establishing and Leading by Core Values in Your Office
Instructor: Jennifer Messina, COE

Hiring Quality Employees: Struggling Short Term to Succeed Long Term
Instructor: Kurtis Wankier

Leading vs. Managing Teams: Why the Difference Is Important
Instructor: Amy White, MS

Not Just Another Meeting—Organize Strategic Planning Meetings that Lead to Growth and Improved Practice Health
Instructor: Paul Smith, MHA, MBA, FACHE, CMPE

Private Equity Investment in Eye Care: How Do You Determine the Best Partner for Your Practice
Instructor: Eric Major

“Save Your Drama for Your Mama” and Other Book Resources for Creating a Culture of Personal Accountability Among Your Staff
Instructor: Dixon Davis, MBA, MHSA

Taking the Financial Pulse of Your Ophthalmic Practice
Instructor: David Korzak, COE

Thanks a LATTE! Resolving Conflicts with Warmth, Strength, and Engagement
Instructor: Jessica O’Connor OCS, COE, CPSS

The One Page Strategic Plan—12 Month Sprint to Success
Instructor: Kurtis Wankier

Understanding and Effectively Working with a Multi-Generational Workforce
Instructor: Gordon Massey, MBA CRA

MARKETING & BUSINESS DEVELOPMENT

A Strong Post-Operative Process: Keeping the Cycle of New Patients Going
Instructor: Megan Mestas

Best Practices in Optometric Referral Business Marketing and Outreach: Experience from 4,000 Meetings with Optometrists
Instructor: Sean Hanlon, MBA

Is My Practice Too Small to Have a Dry Eye Team?
Instructor: Christine Lapointe

Make the Year 2020 Your Most Effective 12 Months of Marketing Ever: Creative Steps to Take Now to Position Your Practice for The Ultimate Year in Ophthalmology!
Instructor: Michael Malley, MA

Marketing in a Multi-Device World: Spark Engagement, Boost Leads/Conversions
Instructor: Brandi Musgrave

Own and Control Your Digital Listings Presence: It Makes More of a Difference Than You Might Think!
Instructor: Bonnie Navarre, MBA

Staffing 2.0: Omni-Channel Customer Service in Your Front Office
Instructor: Ryan Miller

The Changing Face of Customer Service: Steps to Take Control of the Conversation
Instructor: Jennifer Thompson

The Marketing Dilemma—Procedure and Generational Messaging
Instructor: Stanley Joseph

Utilizing Social Media to Increase Appointments and Revenue
Instructor: Alex Reiff

RISK MANAGEMENT & COMPLIANCE

Challenges and Solutions for Compliance in the Busy Retina Practice
Instructor: William Koch, COA, COE, CPC

Compliance Dilemmas
Instructor: Allison Shuren, MSN, JD

Conducting Internal Chart Audits: Keeping Your Practice on Track
Instructor: Laurie Brown, MBA, COMT, COE, CPMA

Creating Compliance Champions
Instructor: Myra Cherchio, COMT

Creating the Best Compliance Calendar for Your Practice: How an Attorney-Turned-Ophthalmic Administrator Addresses Annual Compliance
Instructor: Parker Redman, JD, MA, COE
ASOA PROGRAM | MONDAY, MAY 6–TUESDAY, MAY 7

Five Crucial Steps to Stopping Phishing, Spear-Phishing, and Ransomware
Instructor: Renee Bovelle, MD

HIPAA Horror Stories: Learning from the Mistakes of Others
Instructor: Parker Redman, JD, MA, COE

Involving Your Providers in RCM–Maintaining Good Standing with OIG
Instructor: Leonard Ginsburg, MD

Responding to Medicare Audits
Instructor: John McInnes, JD, MD

Instructor: William Koch, COA, COE, CPC

SUB-SPECIALTIES (AMBULATORY SURGERY CENTER, OPTICAL, RETINA, COSMETICS, HEARING, ETC.)

Five Key Metrics to Make Your Optical Dispensary Successful
Instructor: Aron Arkon, LDO

Honoring Effective Leadership Skills
Instructor: Tina DiMarino, MSN, RN

Reimbursement Challenges and Mandatory Quality Reporting in Your ASC
Instructor: Nikki Hurley, MBA, RN, COE

Successfully Adding Other Specialties to your Ophthalmic ASC
Instructor: John Marasco

TUESDAY, MAY 7

CERTIFIED OPHTHALMIC EXECUTIVE (COE) EXAM

8:00–11:30 a.m.
Registration Deadline: April 3, 2019. No onsite registration permitted. ASOA Annual Meeting registration is required.

ASOA PRACTICE MANAGEMENT COURSES

8:00–11:30 a.m.

ADVANCED ADMINISTRATOR
Helping Your Cataract Patient Navigate Advanced Technology: Guidance from Lasers to Premium IOLs
Instructor: Robert Stutman, MBA

BUSINESS MANAGEMENT

From Startup to Over 100 LASIK Cases per Month
Instructor: Joel Hunter, MD, ABO

Instructor: David Mandell, JD

CODING & BILLING

Evaluating Your Billing Office
Instructor: Linda Georgian, COE

Stop the Confusion About Eyelid Surgery Reimbursement
Instructor: Kirk Mack, COE, COMT, CPC

The Future of Cataract Surgery Reimbursement
Instructor: John McInnes, JD, MD

LEADERSHIP & STRATEGIC MANAGEMENT

Building Excellence: How to Multiply the Talent of Your Team
Instructor: Myra Cherchio, COMT

LEAN Principles for the Administrator’s Role
Instructor: Savory Turman, COMT, OCS

MARKETING & BUSINESS DEVELOPMENT

Event Marketing: Add a Million Dollars to Your Bottom Line
Instructor: Joel Hunter, MD, ABO

Tailor Your Online Marketing to Support Your Offline Practice Strategy
Instructor: Ryan Miller

The Complete Guide to Building an Optometric Referral Network
Instructor: Paul Stubenbordt

RISK MANAGEMENT & COMPLIANCE

CSI for Risk Management: Identify Clues and Understand Your Patient’s Mindset to Reduce the Risk of Lawsuits
Instructor: Patty Casebolt

“Please State the Nature of the Medical Emergency” – Telemedicine
Instructor: Chad Schiffman

Rules to Succeed in the Online Review Game
Instructor: Elaine Bushey
BOOST TRACK

The BOOST (Business of Ophthalmology Standards) track is a selection of ASOA Practice Management Courses that provide physicians with essential business education to maximize the efficiency of their practice.

Topics Include:
- Business Management and Strategies
- Human Resources and Teamwork
- Electronic Health Records and Information Technology
- Coding and Reimbursement
- Risk Management and Compliance

There are no additional fees to attend the BOOST track courses. CME credit is provided for ASOA Practice Management Courses.

COE Review*
Part 1 Friday, May 3
8:00 a.m. – 5:30 p.m.
Part 2 Saturday, May 4
1:00 – 5:30 p.m.

Prepare for the COE Exam in this two-day workshop that touches on each of the six exam domains and is one of several recommended COE study resources. Attendance does not guarantee passage of the COE Exam.

COE Exam*
Tuesday, May 7
8:00-11:30 a.m.

*ASCRS•ASOA Annual Meeting registration is required to register.
The International Joint Commission on Allied Health Personnel in Ophthalmology (IJCAHPO) is pleased to sponsor the Technicians & Nurses Program, May 4-6 at the San Diego Convention Center. IJCAHPO is the national certifying agency for allied ophthalmic personnel. Certification is available at 3 levels: assistant, technician, and medical technologist, along with subspecialty certifications available for surgical assisting, ultrasound biometrist, diagnostic sonographer, scribe certification, and corporate assistant. In pursuit of its mission, IJCAHPO also provides education, certification and services for allied ophthalmic personnel.

In addition to the IJCAHPO-sponsored Technicians & Nurses Program, ATPO (Association of Technical Personnel in Ophthalmology) will offer additional programs such as the COA/COT/COMT Certification Exam Review Sessions, the Train the Trainer program, and Who Wants to be a Super Tech? on Friday, May 3, at the San Diego Convention Center. Additional registration and fees apply. For more information, please see the registration form included in this Program Preview.

Also, and NEW for 2019 - ASCRS and IJCAHPO will co-sponsor Biometry Learning Labs on Friday, May 3. There are two lab sessions available (an AM session/and a PM session) to a limited number of attendees. Additional registration and fees apply. Further information and registration is available by visiting annualmeeting.ascrs.org/education/technicians-and-nurses.

Registration for the main Technicians & Nurses program is separate from the following programs: ATPO’s Certification Exam Review Sessions, Train the Trainer, Who Wants to be a Super Tech? and the Biometry Learning Labs. Attendees must register and pay fees separate and independent of the main program.

For the three-day Technician and Nurses Program, attendees do not register for each course independently. They can choose to attend individual courses from either of the two sessions, each day. There are no individual tickets sold for courses; your badge allows access to any of the courses in this two-track program.

A joint registration category is available for those interested in attending both the ASOA and Technicians & Nurses programs. Crossover between the ASOA and Technicians & Nurses programs will be permitted to those registered in the joint registration category only. Those registered solely for either the ASOA or Technicians & Nurses program will not be allowed to crossover. All registrants in either category are welcome to attend the ASCRS program.

Course handouts for the Technicians and Nurses Program will be provided via the ASCRS ASOA Meetings App as well as the meeting website, beginning April 2019. Further information regarding the Technicians & Nurses Program, ATPO’s Certification Exam Review Sessions, Train the Trainer, Who Wants to be a Super Tech?, or IJCAHPO certification, is available by calling IJCAHPO at (800) 284-3937 or by visiting jcahpo.org.

A maximum of 21 (IJCAHPO Group A) credits are available for this program.

Program Sponsored by IJCAHPO

SCHEDULE AT A GLANCE

| FRIDAY, MAY 3 | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
|--------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ATPO Train the Trainer* | | | | | | | | | | | | | |
| ATPO COA/COT/COMT Review Sessions* | | | | | | | | | | | | | |
| Biometry Learning Labs* | | | | | | | | | | | | | |
| SATURDAY, MAY 4 | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
| Exhibit Hall | | | | | | | | | | | | | |
| Technicians and Nurses Courses | | | | | | | | | | | | | |
| ASCRS•ASOA Welcome Party | | | | | | | | | | | | | |
| SUNDAY, MAY 5 | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
| Exhibit Hall | | | | | | | | | | | | | |
| Technicians and Nurses Courses | | | | | | | | | | | | | |
| MONDAY, MAY 6 | 7:00 a.m. | 8:00 a.m. | 9:00 a.m. | 10:00 a.m. | 11:00 a.m. | 12:00 p.m. | 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. |
| Exhibit Hall | | | | | | | | | | | | | |
| Technicians and Nurses Courses | | | | | | | | | | | | | |

An enhanced customizable program scheduler will be released as part of the app and final program book.

* Separate registration required
TECHNICIANS AND NURSES PROGRAM | SATURDAY, MAY 4–SUNDAY, MAY 5

SATURDAY, MAY 4

SESSION A

Testing for Premium IOLs—Highlighting the Importance of the Posterior Corneal Surface
Sponsored by the Ophthalmic Photographers’ Society (OPS)
Sarah Armstrong, CRA, OCT-C, FOPS
Faculty: Kenneth L. Cohen, MD

Formulas, Formulas, and More Formulas: Keeping Up
Rhonda Waldron, MMSc, COMT, CRA, ROUB

What is the Association Between Refractive Errors and Retinal Diseases?
Michael W. Stewart, MD

Optic Neuropathies
Thomas Ableman, MD
Faculty: Steven A. Newman, MD

Sub-Specialty Session: Advances in Cataract Surgery
Daniel H. Chang, MD
D. Brian Kim, MD
Yuri McKee, MD, MS

Sub-Specialty Session: Update in Retinal Therapies
William F. Mieler, MD
Michael W. Stewart, MD

Mystery Retina 2019: Interactive Discussion of Challenging Cases
William F. Mieler, MD

SESSION B

Medication Management the Right Way
Regina Boore, RN, BSN, MS, CASC

Understanding Anesthesia for Outpatient Ophthalmic Surgery
James W. Cage, MD

ASC Accreditation
Victoria Samper, MS

Sterile Processing: Best Practices
Jeffrey Whitman, MD

What’s New in Uveitis?
Wendy M. Smith, MD

Orbital Surgery: Indications and Techniques
Richard C. Allen, MD, PhD

Cranial Nerve Palsies: Which Ones the Technician Cannot Afford to Miss
Steven A. Newman, MD
Faculty: Thomas Ableman, MD

SUNDAY, MAY 5

SESSION A

Blue Light: Science, Fact and Future
Alan J. Burt, ABOC

Ocular Motility Assessment Techniques
Sharon Alamalhodaei, COMT, OCS

Graves’ Ophthalmopathy
Andrea A. Tooley, MD

Sub-Specialty Session: Advances in Corneal Surgery
Clara C. Chan, MD, FRCS
David R. Hardten, MD
Soosan Jacob, FRCS, MS

Optimizing Patient Flow for Technicians & Nurses
Christine McDonald, COA, COE, ROUB, OSC

Disaster Strikes! Prepare, Respond, Then Face the Music
Diana Hatsis, BSN, RN, COT

Sub-Specialty Session: Imaging in 2019
Michael W. Stewart, MD
Denice A. Barsness, CRA, COMT, ROUB
Craig Simms, COMT, ROUB, CDOS

SESSION B

Surgical Treatment of Eyelid Disorders
Andrea A. Tooley, MD

Stem Cell Transplantation
Elizabeth M. Wright, LPN
Kasey Pierson, MD
Erin Rolfes, OD

Prep, Drape and Role
Maria Tietjen, RN, BSN

Do’s and Don’ts in the Era of Electronic Health Records
Michelle Pineda, MBA

Glaucoma Surgery Update
Syril Dorairaj, MD

Primary Glaucoma Medical Management: 1st Line, 2nd Line, 3rd Line
Syril Dorairaj, MD

Extended Depth of Focus Optics in the Symfony Intraocular Lens
Rahul Pandit, MD
Register today for the American Society of Ophthalmic Administrators (ASOA) Annual Meeting to access these benefits and more:

- Crossover access to 1,300 ASCRS and ASOA presentations and online post-meeting resources
- Diverse roundtables, one-on-one consultations and legislative and regulatory updates
- Exhibit Hall entry - three days to interact with ophthalmic service and product vendors
- Premier networking lounge, daily events and celebration
- Opportunity to earn COE and AAPC credits

Friday, May 3 – Tuesday, May 7

**TECHNICIANS AND NURSES PROGRAM | MONDAY, MAY 6**

**MONDAY, MAY 6**

**SESSION A**

Sub-Specialty Session: Axial Length Measurement  
Robin R. Vann, MD  
Craig Simms, COMT, ROUB, CDOS

How to Be the Tech Your Doctor Can’t Live Without  
Sharon Alamalhodaei, COMT, OCS

Ocular Surface Disease  
Darby Miller, MD, MPH

Impact of Documentation on Coding and Billing Process  
Deborah Davis, COE, OCS  
Faculty: Mary Pat Johnson, COMT, COE, CPC, CPMA

When It Counts: Advanced Echographic Imaging that Guides Surgical or Clinical Intervention  
Kelly Babic, MSc, CDOS, COA

Everything You Need to Know About FDA-Approved Crosslinking  
Rajesh K. Rajpal, MD  
Bryan Ross  
Dawn Williams, OD  
Alexandra Nicklin, OD

**SESSION B**

Sub-Specialty Session: MIGS Surgical Approaches  
David D. Richardson, MD  
Shakeel Shareef, MD  
Russell Swan, MD

Move Toward Value-Based Payment and How It Applies to Technicians & Nurses  
Nancey McCann

Toxic Anterior Segment Syndrome: TASS  
Kevin Adely, RN, CSPD

Avoiding ASC Liability Arising from Nursing Scope of Practice and Nursing Practice Issues  
Elethia Dean, RN, PhD

Establishing the Right Leadership and Staffing Patterns  
Michelle R. Carroll, RN

Surgical Management of Astigmatism  
Jonathan B. Rubenstein, MD

Unexplained Vision Loss  
John J. Chen, MD, PhD

Making EHR Work for You

THE LEADING PRACTICE MANAGEMENT PROGRAM IN OPHTHALMOLOGY

AnnualMeeting@ascrs.org

ASCRS•ASOA also offers a Joint ASOA/Technicians & Nurses Program registration category that allows participants to attend the Practice Management Program for COE credits and the Technicians & Nurses Program for IJCAHPO® credits.

For more information, visit AnnualMeeting.ascrs.org.

ASOA Program May 3-7 | T & N Program May 4-6
JOIN US FOR THE ASCRS•ASOA WELCOME PARTY

SATURDAY, MAY 4 | 4:30-6:00 P.M.

Don’t miss the ASCRS•ASOA Welcome Party on the exhibit floor! Visit with exhibitors, network with colleagues and enjoy complimentary light refreshments and beverages.

Preview exciting prizes that will be raffled off throughout the meeting:

• State-of-the-art camera
• Stylish his and hers watches
• Top-of-the-line golf clubs
• Dream vacation for two

Exhibit hall attendees can receive details from participating exhibitors and at the ASCRS•ASOA booth. Drawings will take place daily in the exhibit hall and will be announced over the ASCRS•ASOA Meetings App. Additional details to follow.
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, 2019. (Note: An MD, PhD or DO who is a member of ASOA only must join ASCRS and pay appropriate membership dues.)

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, 2019.

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 chairperson or fellowship sponsor must accompany the registration. Letters and credentials, which will be verified, can be emailed along with your registration 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 18, 2019, to be eligible for the discounted rate.

INTERNATIONAL RESIDENT (MEMBER IN TRAINING)
An international resident who is a current member of ASCRS. Registration fees are reduced for international residents; annual membership dues must be current through May 31, 2019, and are not included in the registration fee. International members in training must provide current proof of residency signed by the program director and a copy of an official picture ID with 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.

ASOA MEMBER/NONMEMBER
Practice administrator or other practice management staff, ASOA consultant and vendor members. Physicians cannot register in this category.

TECHNICIANS & NURSES
Ophthalmic assistants, technicians, technologists and nurses program. Physicians cannot register in this category.

JOINT ASOA/TECHNICIANS & NURSES
Applies to those interested in attending both the ASOA and Technicians & Nurses programs. Crossover between the ASOA and Technicians & Nurses programs is permitted to those registered in the joint registration category only. Those registered for either the ASOA or Technicians & Nurses program will not be allowed to go between the two programs. Registrants of either category are permitted to attend ASCRS courses, paper sessions and symposia. For planning purposes, approximate walking time between ASOA and T&N classrooms is five to ten minutes.

Please note that membership dues must be current through May 31, 2019 and are not included in the registration fee. ASCRS membership must be in good standing to attend program; ASOA program does not require membership. International residents must pay international membership dues.

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 cannot register in this category.

GUEST
Guests 21 years of age and over are required to pay a registration fee. Fee includes badge, printed program, exhibit hall entrance, ASCRS•ASOA Welcome Party, ASOA Celebration and the Film Festival Awards Ceremony. This badge is limited to spouse, guest, relative or other individuals accompanying an ASCRS or ASOA attendee. Members, potential members or staff will not be considered under the guest registration category. Physicians/ASCRS•ASOA members cannot register in this category. Entrance into sessions/courses is not included.

PRESS
For registration information, please contact press@ascrs.org.
### 2019 ASCRS Annual Meeting

#### Early Bird: October 15 – November 7, 2018

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<th>Tier Type</th>
<th>ANNUAL MEETING + SUBSPECIALTY DAY (FRIDAY-TUESDAY)</th>
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#### ASCRS Program (Saturday-Tuesday)

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<tr>
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#### ASCRS Subspecialty Day (Friday Only)

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#### ASOA Program (Saturday-Tuesday)

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<td>Seven Habits of Highly Effective Leaders</td>
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<th>T&amp;N ADDITIONAL PROGRAMMING</th>
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<tr>
<td>Biometry Learning Labs</td>
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ATPO’S COA/COT/COMT CERTIFICATION EXAM REVIEW SESSIONS, TRAIN THE TRAINER COURSE, AND ‘WHO WANTS TO BE A SUPER TECH?’ REGISTRATION FORM
MAY 3, 2019 | SAN DIEGO CONVENTION CENTER

Train the Trainer Course
8:00 a.m. – 4:00 p.m.

You will be provided with an organized strategy to help you create and implement effective, ophthalmic specific training methods in your practice. Topics will include identifying a good trainer, matching learning styles, utilizing effective training techniques, developing a systematic approach and evaluating the success of your training methods.

Financial interest disclosed

Credits: Submitted for 2.5 IJCAHPO Group A and 6.5 Certified Ophthalmic Executive (COE) Category A

Who Wants to Be a Super Tech?
4:30 – 6:30 p.m.

This session is a fun game-show like event that features questions from various areas of the IJCAHPO certification examination content. All levels of difficulty will be covered. Prizes and recognition will be awarded to all participants.

Financial interest disclosed

Credits: Submitted for 1.5 IJCAHPO Group A

Coa Written Certification Exam Review Session
8:00 – 11:00 a.m.

Prerequisite: Basic knowledge of eye anatomy and physiology with a minimum of one year in ophthalmology is helpful. Participants should be able to demonstrate knowledge and comprehension of IJCAHPO COA content areas.

Description: IJCAHPO COA content areas will be reviewed and discussed in classroom format with the use of a PowerPoint® presentation, ending with a question and answer session. This course is meant to be a general review and is not designed to provide initial instruction in content areas. It is intended for those who anticipate taking the COA certification examination in the near future. This course is not intended for recertification credits.

Cot Written Certification Exam Review Session
8:00 – 11:30 a.m.

Prerequisite: COA certification required unless participant is a student enrolled in a COT program. Verification from the program director will be required.

Description: IJCAHPO COT content areas will be reviewed and discussed in classroom format with the use of a PowerPoint® presentation, ending with a question and answer session. Participants should be able to demonstrate knowledge and comprehension of IJCAHPO COT content areas.

Credits: Submitted for 3.25 IJCAHPO Group A

Comt Written Certification Exam Review Session
8:00 a.m. – 12:30 p.m.

Prerequisite: COT certification is required, unless the participant is a student enrolled in a COMT program. Verification from the program director will be required.

Description: IJCAHPO COMT content areas will be reviewed and discussed in classroom format with the use of a PowerPoint® presentation, ending with a question and answer session. Participants should be able to demonstrate knowledge and comprehension of IJCAHPO COMT content areas.

Credits: Submitted for 4.25 IJCAHPO Group A

Course fees include all course materials and IJCAHPO CE credits. A processing fee of $75.00 will be applied to all refunds.

No refunds will be granted after April 24, 2019. Please check IJCAHPO’s website for certification updates (jcahpo.org).

To register online for the ATPO program, please visit the JCAHPO store at store.jcahpo.org/events/registration.aspx?event=R4_1_2019

Registration Form 2019 FINAL.indd   1
ATPO’S COA/COT/COMT CERTIFICATION EXAM REVIEW SESSIONS, TRAIN THE TRAINER

Ophthalmic Executive (COE) Category A

Credits: Submitted for 2.5 IJCAHPO Group A and 6.5 Certified

Financial interest disclosed

and evaluating the success of your training methods.

Topics will include identifying a good trainer, matching learning styles, implementing effective, ophthalmic specific training methods in your practice.

You will be provided with an organized strategy to help you create and implement your training program. Verification from the program director will be required.

8:00 a.m. – 4:00 p.m.

TRAIN THE TRAINER COURSE

This course is meant to be a general review of content areas. It is intended for those who anticipate taking the COA certification examination in the near future. This course is not intended for recertification credits.

This course is a fun game-show like event that features questions from various areas of the IJCAHPO certification examination content. All levels of difficulty will be covered. Prizes and recognition will be awarded to all participants.

8:00 – 11:00 a.m.

WHO WANTS TO BE A SUPER TECH?

This session is a fun game-show like event that features questions from IJCAHPO COA content areas. Participants should be able to demonstrate knowledge and comprehension of IJCAHPO COA content areas.

12/13/18   6:25 PM
JOIN US AT THE INDUSTRY SPOTLIGHT THEATER

For the third year, ASCRS will offer a series of product-focused corporate educational sessions (non-CME) in the exhibit hall in booth #1345. These sessions will provide attendees with overviews and comparisons across several different ophthalmic categories.

Please reference the ASCRS•ASOA Real-Time Program for the latest updates, participating companies and session speakers.

SATURDAY, MAY 4

Open Up: Femtosecond Lasers & Automated Capsulotomy Devices
9:30-10:30 a.m.
Moderator: Robert J. Weinstock, MD

Pseudophakic Correction of Presbyopia: A Comprehensive Look at Multifocal, Trifocal, EDOF and Monovision IOLs
12:30-1:30 p.m.
Moderator: John A. Vukich, MD

Glaucoma Surgical Devices: Working out Under Pressure
2:00-3:00 p.m.
Moderator: Richard A. Lewis, MD

SUNDAY, MAY 5

Biometers for Determining Target IOL, Power, Toricity and Axis
9:30-10:30 a.m.
Moderator: Daniel H. Chang, MD

The Right Device is Very Nice and Small Instruments Make a Big Difference!
11:00 a.m.–12:00 p.m.
Moderator: Robert H. Osher, MD

Finding Fascinating Features of Phacoemulsification Facilities
12:30-1:30 p.m.
Moderator: Richard Tipperman, MD

MONDAY, MAY 6

TOPGUN Refractive: Technologies and Techniques that Meet the Demands of the Modern Laser Vision Correction Candidate
9:30-10:30 a.m.
Moderator: Steve C. Schallhorn, MD

Ergonomics for the Ophthalmologist
11:00 a.m.–12:00 p.m.
Moderator: John D. Odette, MD

Advancing the Management of Ocular Surface Disease
2:00-3:00 p.m.
Moderator: Elizabeth Yeu, MD

More details to follow:
AnnualMeeting.ascrs.org
Save the date
Friday, May 3 – Monday, May 6, 2019

Make the most of your time at the ASCRS • ASOA Annual Meeting and attend our EyeWorld multi-supported CME and Corporate Events. They are a great opportunity to network with your colleagues while learning tips and techniques from the experts.

Registration is now open!

EyeWorld CME Educational Symposium
Among the topics to be covered in these sessions are:
- Updates on diagnosing and treating the ocular surface, including dry eye disease and meibomian gland disease
- New developments in glaucoma medical and surgical treatment options
- LACS: Tips and pearls for current users
- Maximizing presbyopia-correcting outcomes
- Successfully integrating toric IOLs and improving results and patient satisfaction
- Mastering phaco dynamics, fluidics, power, and nuclear disassembly
- Modern laser vision correction
- A discussion on recent developments in anti-inflammatory therapeutic treatments

EyeWorld Corporate Education
EyeWorld Corporate Events are directly developed by industry and hosted by EyeWorld. These non-CME meetings provide valuable information on new products, procedures, and applications of existing products. Included among the topics discussed in these sessions are:
- New developments in surgical instrumentation
- Considerations in the selection of a premium IOL
- New developments in laser vision correction
- Advanced IOL technology
- Discussion of technological advances and breakthroughs in cataract surgery
- Update on crosslinking
- Advances in diagnostic and imaging equipment

meetings.eyeworld.org

Topics are subject to change.
ASCRS•ASOA has designated onPeak as the official hotel management company for the 2019 Annual Meeting. We have negotiated a special but limited availability room rate with the San Diego Hotels. We urge you to act now to secure your accommodations through onPeak.

Because hotel rooms are available via the Internet, ASCRS•ASOA has not blocked the same number of rooms as in the past. We encourage you to make hotel reservations early.

**HOTEL RESERVATIONS**
Reservations can be made online or by phone. We are no longer accepting hotel reservation forms. Agents are available to answer questions and process reservations Monday to Friday, 9:00 a.m.–8:00 p.m. ET.

**Online**
ascrs.org/gethotel

**Phone**
(800) 370-8282 U.S. Toll-Free
(312) 527-7300 Local/International

**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•ASOA office. Contact the Meetings Department by phone, (703) 591-2220, or email affiliatemeetings@ascrs.org.

**TRAVEL**
ASCRS•ASOA 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.
OFFICIAL HOTEL LIST & MAP

RESERVATIONS

Contact onPeak directly to book your rooms within the official hotel block and/or with any questions:
ONLINE: ascrs.org/gethotel  |  PHONE: (800) 370-8282  |  EMAIL: ascrs-asoa@onpeak.com

ASCRS/ASOA Annual Meeting 2019
MAY 3-7, 2019
SAN DIEGO CONVENTION CENTER

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<td>Wyndham San Diego Bayside</td>
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Save the date!

Saturday, May 4, 2019
6:30 – 9:30 AM
San Diego Convention Center

SCHEDULE AT A GLANCE

Epsilon USA
Capsular/Cataract Complications: A Video-Based Symposium
Registration and breakfast: 8:00 – 8:30 AM
Program: 8:30 – 9:30 AM

More to come ...

Registration now open!

Visit meetings.eyeworld.org for program updates

CME credit is not available for Corporate Mornings programs.
The current exhibiting companies for Subspecialty Day at the 2019 ASCRS•ASOA Annual Meeting are listed below. For a full list of companies with addresses, contact numbers, products and services, and exhibit hall locations, go to AnnualMeeting.ascrs.org.

**AERIE PHARMACEUTICAL, INC**
Glucoma Treatment; Global Ophthalmology Missions

**ALCON**
Cataract Surgery; Glaucoma Devices; Intraocular Lenses; Medical Devices; Refractive Systems; Surgical Equipment

**ALLERGAN, INC.**
Dry Eye Products; Glaucoma Devices; Glaucoma Treatment; Medical Devices; Pharmaceutical Products; Retinal Implants

**ALLERGAN SURGICAL**

**BAUSCH + LOMB**
Intraocular Lenses; Pharmaceutical Products; Refractive Systems; Surgical Equipment; Surgical Instruments

**BEAVER VISITEC INTERNATIONAL (BVI)**
Cataract Surgery; Glaucoma Devices; Ophthalmic Knives; Punctal Occluders; Pupil Expansion Device; Surgical Kits

**BIO TISSUE**
Amniotic Tissue; Dry Eye Products; Human Tissue Allograft; Ocular Surface Solutions

**CORNEA GEN**
Patient Financing

**CORNEA SOCIETY**
Corneal Inlay; Corneal Tissue; Diagnostic Equipment; Refractive Systems; Surgical Instruments; Tephines

**DIOPSYS, INC.**
Diagnostic Equipment; Medical Devices; Medical Equipment; Ophthalmic Instruments; Vision Testing Systems

**ELLEX**
Glucoma Devices; Laser/Laser Services; Ultrasound Equipment

**EYEPOINT PHARMACEUTICALS**
Pharmaceutical Products

**GLAUKOS CORPORATION**
Glucoma Devices; Glaucoma Treatment; Medical Devices

**ICARE TONOMETERS**
Diagnostic Equipment; Glaucoma Devices; Glaucoma Pressure; Hand-Held Instrument; Ophthalmic Instruments; Tonometers

**IRIDEX**
Glucoma Devices; Glaucoma Treatment; Laser/Laser Services; Medical Devices

**JOHNSON & JOHNSON VISION, INC**
Intraocular Lenses; Phacoemulsification Products; Refractive Systems

**KONAN MEDICAL USA INC**
Diagnostic Equipment; Glaucoma Devices; Medical Devices; Microscopes; Ophthalmic Instruments; Vision Testing Systems

**LUMENIS-VISION**
Laser/Laser Services

**MALLINCKROOT PHARMACEUTICALS**
Pharmaceutical Products

**NEW WORLD MEDICAL, INC.**
Glucoma Devices; Glaucoma Pressure; Glaucoma Treatment

**NOVABAY PHARMACEUTICALS, INC.**
Lid & Lash Hygiene; Medical Devices; Ocular Surface Solutions

**NOVARTIS PHARMACEUTICALS**
Pharmaceutical Products

**OCULUS, INC.**
Corneal Disease Diagnosis; Corneal Topography Systems; Diagnostic Equipment; Digital Imaging Systems; Dry Eye Products; Ophthalmic Instruments

**OCUSOFT INC.**
Dry Eye Products; Lid & Lash Cleansers; Lid & Lash Hygiene; Nutriceuticals; Pharmaceutical Products; Punctum Plugs

**ONELEGACY**
Corneal Tissue

**OPHTHALMIC MUTUAL INSURANCE COMPANY (OMIC)**
Insurance Company; Patient Education; Patient Information Materials

**SHIRE**
Pharmaceutical Products

**SIGHT SCIENCES**
Dry Eye Products; Glaucoma Devices; Lid & Lash Hygiene; Ophthalmic Instruments; Surgical Equipment; Surgical Instruments

**STAAR SURGICAL**
Cataract Surgery; Disposable Injectors; Intraocular Lenses; IOL Delivery System; Lens Injection Systems; Medical Devices

**VISION SHARE**
Corneal Tissue

**ZEISS**
Cataract Surgery; Diagnostic Equipment; Intraocular Lenses; Ophthalmic Instruments; Refractive Systems; Surgical Equipment
The current exhibiting companies for the 2019 ASCRS•ASOA Annual Meeting are listed below with their product/service categories. ASCRS•ASOA is extremely grateful for the constant dedication and support of our corporate participants as they are the reason that ASCRS•ASOA represent some of the most innovative and dynamic thinking in ophthalmology, and the products and services they showcase are an important part of the cumulative educational experience.

For a full list of companies with addresses, contact numbers, products and services, and exhibit hall locations, go to AnnualMeeting.ascrs.org.

AAREN SCIENTIFIC, INC.
Intraocular Lenses

ACUITY EYE GROUP*

ADVANCEDMD
Computer Software; Electronic Medical Records; Practice Management; Revenue Cycle Management

ADVICE MEDIA
Internet Marketing; Marketing; Patient Education; Video; Web Marketing; Website Design Services

AERIE PHARMACEUTICALS, INC.
Glaucoma Treatment; Global Ophthalmology Missions

AKORN, INC.
Pharmaceutical Products

ALCHI.MI.A. S.R.L.
Cataract Surgery; Corneal Transplant Instrumentation; Medical Devices; Ocular Surface Solutions; Retinal Implants; Solutions

ALCON
Cataract Surgery; Glaucoma Devices; Intraocular Lenses; Medical Devices; Refractive Systems; Surgical Equipment

ALLERGAN MEDICAL AFFAIRS
Pharmaceutical Products

ALLERGAN, INC.
Dry Eye Products; Glaucoma Devices; Glaucoma Treatment; Medical Devices; Pharmaceutical Products; Retinal Implants

ALPHAEOON CREDIT
Business Management; Financial Services; Patient Financing; Practice Management

ALTAIRE PHARMACEUTICALS, INC
Dry Eye Products; Manufacturing; Pharmaceutical Products

AMERICAN ACADEMY OF OPHTHALMIC EXECUTIVES (AAOE)
Practice Management

AMERICAN ACADEMY OF OPHTHALMOLOGY
Education/Training; Non-Profit Organization; Patient Education; Practice Management; Publication; Video

AMRING PHARMACEUTICALS INC.*
Viscoelastics

APPASAMY ASSOCIATES
Diagnostic Equipment; Intraocular Lenses; Microscopes; Ophthalmic Instruments; Pharmaceutical Products; Surgical Instruments

ASCRS•ASOA
Accrediting Organization; Charitable Organization; Education/Training; Practice Management; Publication; Staff Training

ASICO
Cataract Surgery; Corneal Marking; IOL Delivery System; Manufacturing; Ophthalmic Instruments; Product Development

AST PRODUCTS, INC.
Cataract Surgery; Disposable Injectors; Intraocular Lenses; IOL Delivery System; Lens Injection Systems; Medical Devices

AUROLAB
Capsular Tension Rings; Ophthalmic Knives; Orbital Implants; Tecnis Multifocal IOLs; Tecnis Toric IOLs; Vision Charts

AURORA SURGICAL, LLC
Cataract Surgery; Dry Eye Products; Hand-Held Instrument; Ophthalmic Instruments; Surgical Instruments; Surgical Supplies

AVEDRO, INC.
Corneal Cross-Linking; Medical Devices; Pharmaceutical Products; Refractive Systems

AVELLINO LABS
Corneal Disease Diagnosis; DNA Testing; Gene Therapy

AVENTIC LLC*
Medical Devices; Solutions; Surgical Supplies; Vitamins

BAUSCH + LOMB
Intraocular Lenses; Pharmaceutical Products; Refractive Systems; Surgical Equipment; Surgical Instruments

BEAVER VISITEC INTERNATIONAL (BVI)
Cataract Surgery; Glaucoma Devices; Ophthalmic Knives; Punctal Occluders; Pupil Expansion Device; Surgical Kits

BIONIKO
Education/Training; Surgical Simulation

BIO TISSUE
Amniotic Tissue; Dry Eye Products; Human Tissue Allograft; Ocular Surface Solutions

BLEPHEX
Dry Eye Products; Glaucoma Devices; Medical Devices; Medical Equipment

BLYTHE MEDICAL
Amniotic Tissue; Biologics; Compounded Pharmaceuticals; Corneal Tissue; Regenerative Medicine

BRAZILIAN ASSOCIATION OF CATARACT AND REFRINGE SURGERY
Education/Training; Non-Profit Organization

BREVIIUM, INC.
Communication Technology; Computer Software; Email Systems; Marketing; Patient Management

BRUDER HEALTHCARE COMPANY
Dry Eye Products; Low Vision Products; Surgical Instruments

*New exhibitor
<table>
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<tr>
<th>Company Name</th>
<th>Services</th>
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<tr>
<td>BRYN MAWR COMMUNICATIONS, LLC</td>
<td>Publication</td>
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<tr>
<td>BSM CONSULTING</td>
<td>Business Management; Consulting Services; Practice Consulting; Practice Management; Professional Tools; Staff Training</td>
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<tr>
<td>CAL COAST OPHTHALMIC</td>
<td>Diagnostic Equipment; Digital Imaging Systems; Exam Room Furniture/Equipment; Hand-Held Instrument; Ophthalmic Instruments; Retinal Photography</td>
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<td>CAL TRAY</td>
<td>Hand-Held Instrument; Surgical Instruments</td>
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<td>CAMBRIAN MEDICAL INC.</td>
<td>Capsular Tension Rings; Drapes; Intraocular Lenses; Ophthalmic Instruments; Punctum Plugs; Sutures</td>
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<tr>
<td>CARE ACCESS VISION</td>
<td>Business Management; Consulting Services; Contact Lenses; Education/Training; Marketing; Optical Dispensary Management</td>
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<td>CARECREDIT</td>
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<td>Cataract Surgery; Corneal Topography Systems; Desktop Topographer; Diagnostic Equipment; Dry Eye Products; Medical Devices</td>
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<td>CEATUS MEDIA GROUP LLC.</td>
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<td>CHECKEDUP</td>
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<td>CHONA SURGICAL CO.</td>
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<td>CIMA TECHNOLOGY, INC.</td>
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<td>CLEARWAVE CORPORATION</td>
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<td>Exam Room Furniture/Equipment; Lab Equipment; Ophthalmic Instruments; Optical Supplies; Refractive Systems; Retinal Photography</td>
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<td>COMPULINK HEALTHCARE SOLUTIONS</td>
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<td>CORNEA SOCIETY</td>
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<td>Corneal Inlay; Corneal Tissue; Diagnostic Equipment; Refractive Systems; Surgical Instruments; Trephines</td>
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<td>CRYSTALENS INDUSTRIES</td>
<td>Cataract Surgery; Intraocular Lenses</td>
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<td>Exam Room Furniture/Equipment; Ophthalmic Surgery Tables; Surgical Stretchers; Surgical Tables &amp; Stools</td>
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<td>DGH TECHNOLOGY, INC.</td>
<td>A-Scans; Diagnostic Equipment; Medical Devices; Ultrasound Equipment</td>
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<td>DIGITAL HEAT CORPORATION</td>
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<td>DIOPSYS, INC.</td>
<td>Diagnostic Equipment; Medical Devices; Medical Equipment; Ophthalmic Instruments; Vision Testing Systems</td>
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<td>DOCTORS OPTIMAL FORMULA*</td>
<td>Nutriceuticals; Ocular Surface Solutions</td>
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<td>DOCTORSOFT</td>
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<td>DROP WIZER*</td>
<td>Consumer Accessories</td>
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<td>DUCKWORTH &amp; KENT</td>
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<td>DUTCH OPHTHALMIC USA</td>
<td>Hand-Held Instrument; Medical Devices; Ophthalmic Instruments; Retinal Implants; Surgical Instruments; Vitrectomy Lenses</td>
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<td>EAGLE LABS</td>
<td>Cannulas; Ophthalmic Instruments; Spears/Fluid Control; Surgical Disposables</td>
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<td>ECKERT WORDELL</td>
<td>Architectural Design; ASC Facility Design; Interior Planning; Office/ASC Design &amp; Planning; Outpatient Surgery Centers; Patient Flow Consultant</td>
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<td>EINSTEIN MEDICAL</td>
<td>Internet Marketing; Internet Services; Web Marketing; Website Design Services</td>
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<td>ELLEX</td>
<td>Glaucoma Devices; Laser/Laser Services; Ultrasound Equipment</td>
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<td>ELLMAN, A CYNOSURE COMPANY</td>
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<td>ELSEVIER</td>
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<td>Hand-Held Instrument; Surgical Supplies; Viscoelastics</td>
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<td>EXCEL OPTICS (P) LIMITED</td>
<td>Capsular Tension Rings; Intracorneal Lenses; Intraocular Lenses; Ophthalmic Instruments; Orbital Implants; Viscoelastics</td>
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<tr>
<td>EYE CARE AND CURE</td>
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<td>EYE CARE LEADERS</td>
<td>Computer Software; Electronic Medical Records; Patient Management; Practice Management; Revenue Cycle Management; Workflow Optimization</td>
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<tr>
<td>EYE DESIGNS, LLC</td>
<td>Facility Design; Interior Planning; Optical Displays</td>
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<td>EYE ECO, INC</td>
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<tr>
<td>EYE PHOTO SYSTEMS INC</td>
<td>Digital Imaging Systems; HD Video Imaging</td>
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<tr>
<td>EYEKON MEDICAL INC.</td>
<td>Capsular Tension Rings; Intraocular Lenses; Viscoelastics</td>
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<td>EYEMAX</td>
<td>Advertising Specialty; Consulting Services; Internet Marketing; Marketing; Practice Consulting; Web Marketing</td>
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<tr>
<td>EYEMD EMR HEALTHCARE SYSTEMS, INC.</td>
<td>Electronic Medical Records; Optical Dispensary Management</td>
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<tr>
<td>EYENOVIA, INC*</td>
<td>Patient Management; Pharmaceutical Products</td>
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<tr>
<td>EYEOL UK LIMITED</td>
<td>Intraocular Lenses; IOL Delivery System; Viscoelastics</td>
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<td>EYEPOINT PHARMACEUTICALS*</td>
<td>Pharmaceutical Products</td>
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<tr>
<td>EYESYS VISION</td>
<td>Corneal Topography Systems; Desktop Topographer; Dry Eye Products; Handheld Topographer; Intraocular Lenses; Ophthalmic Instruments</td>
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<td>EYEVANCE PHARMACEUTICALS*</td>
<td>Blink Lubricating Eye Drops</td>
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<td>FAST TRACK MARKETING</td>
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<td>GEUDER AG</td>
<td>Medical Devices; Ophthalmic Instruments</td>
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<td>GLACIAL MULTIMEDIA</td>
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<td>GLAUKOS CORPORATION</td>
<td>Glaucome Devices; Glaucome Treatment; Medical Devices</td>
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<td>GLOBAL SIGHT ALLIANCE / VISION OUTREACH INTERNATIONAL</td>
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<td>GOOD-LITE COMPANY</td>
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<td>GREENSKY PATIENT SOLUTIONS, LLC</td>
<td>Financial Services; Patient Financing</td>
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<td>GUARDION HEALTH SCIENCES</td>
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<td>GUNTHER WEISS SCIENTIFIC</td>
<td>Glassblowing Co., Inc.*</td>
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<td>HAAG STREIT USA</td>
<td>Diagnostic Equipment; Exam Room Furniture/Equipment; Glaucoma Devices; Measurement Equipment; Microscopes; Tonometers</td>
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<td>HAI LABORATORIES INC.</td>
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<td>HAUSTED</td>
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<td>HEALTHTEC INDUSTRIES*</td>
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<td>HEIDELBERG ENGINEERING</td>
<td>Cataract Surgery; Corneal Disease Diagnosis; Diagnostic Equipment; Glaucome Devices; Medical Devices; Refractive Systems</td>
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<td>HEINE USA LTD.</td>
<td>Diagnostic Equipment; Hand-Held Instrument; Loupes; Ophthalmic Instruments</td>
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<td>HURRICANE MEDICAL INC.</td>
<td>Cannulas; Corneal Marking; Disposable Supplies; PRK &amp; LASIK Supplies; Spears/ Fluid Control; Sterile Supplies</td>
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<td>HVO (HAYWOOD VOCATIONAL)</td>
<td>Drapes; Medical Assembly; Medical Devices; Non-Profit Organization; Surgical Disposables; Surgical Kits</td>
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<td>I CARE GLOBAL MISSIONS / MEDICAL MINISTRY INTERNATIONAL</td>
<td>Non-Profit Organization</td>
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<td>ICARE TONOMETERS</td>
<td>Diagnostic Equipment; Glaucome Devices; Glaucome Pressure; Hand-Held Instrument; Ophthalmic Instruments; Tonometers</td>
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*New exhibitor
IMATRIX
Internet Marketing; Marketing; Patient Management; Practice Management; Web Marketing; Website Design Services

IMATTERS
Marketing; Practice Management; Recruiting & Staffing; Staff Training

IMPRIMISRX
Cataract Surgery; Compounded Ophthalmic Formulations; Compounded Pharmaceuticals; Dry Eye Products; Glaucoma Treatment; Pharmaceutical Products

INDUSTRY SPOTLIGHT THEATER
Product-Focused Educational Presentations

INFINITEALOE
Consumer Accessories; Vitamins

INFINITY MASSAGE CHAIRS
Professional Tools

INSYNC VISION SYSTEMS*
Intraocular Lenses; Measurement Equipment; Product Development; Research & Development

INTERNATIONAL SOCIETY OF REFRACTIVE SURGERY (ISRS)
Education/Training; Publication

IRIDEX
Glucoma Devices; Glaucoma Treatment; Laser/Laser Services; Medical Devices

IVANTIS, INC.
Glucoma Devices

JAYPEE HIGHLIGHTS MEDICAL PUBLISHERS, INC.
Publisher

JCAHPO
Certifying Agency; Education/Training; Staff Training

JEUNESSE INNOVATIONS*
Medical Devices

JM SURGICALS
Ophthalmic Instruments; Ophthalmic Knives; Safety Ophthalmic Knife; Surgical Disposables; Surgical Instruments

JOHNSON & JOHNSON VISION, INC.
Intraocular Lenses; Phacoemulsification Products; Refractive Systems

KAI INDUSTRIES CO., LTD.
Cataract Surgery; Disposable Supplies; Microkeratomes; Ophthalmic Knives; Ophthalmic Safety Knife; Safety Ophthalmic Knife

KALA PHARMACEUTICALS*
Pharmaceutical Products

KATALYST SURGICAL, LLC.
Cataract Surgery; Glaucoma Devices; Manufacturing; Ophthalmic Instruments; Ophthalmic Knives

KATENA
Biologics; Cataract Surgery; Dry Eye Products; Hand-Held Instrument; Lens Services

KEEGER INSTRUMENTS
A-Scans; Glaucoma Pressure; Hand-Held Instrument; HD Video Imaging; Loupes; Ultrasound Equipment

KERALINK INTERNATIONAL
Corneal Tissue; Corneal Transplant Instrumentation; Education/Training; Half Split Thickness Cornea; Human Tissue Allograft

KIRWAN SURGICAL PRODUCTS LLC
Cataract Surgery; Glaucoma Treatment; Hand-Held Instrument; Ophthalmic Instruments; Surgical Disposables; Surgical Instruments

KONAN MEDICAL USA INC
Diagnostic Equipment; Glaucoma Devices; Medical Devices; Microscopes; Ophthalmic Instruments; Vision Testing Systems

LACRIMEDICS, INC.
Dry Eye Products

LACRIVERA
Dry Eye Products; Punctal Occluders; Punctum Plugs

LEICA MICROSYSTEMS

LEITERS
Compounded Ophthalmic Formulations; Compounded Pharmaceuticals

LENSAR
Cataract Surgery; Femtosecond Laser; Medical Devices

LENSTEC, INC.
Capsular Tension Rings; Intraocular Lenses; IOL Delivery System; Viscoelastics

LIGHTHOUSE FOR CHRIST MISSION
Charitable Organization; Non-Profit Organization

LIGHTMED CORPORATION
Cataract Surgery; Corneal Cross-Linking; Diagnostic Equipment; Glaucoma Treatment; Phacoemulsification Products; SLT Lasers

LIONS EYE INSTITUTE FOR TRANSPLANT & RESEARCH
Corneal Tissue; Human Tissue Allograft; Non-Profit Organization; Research & Development

LKC TECHNOLOGIES
Diagnostic Equipment; Manufacturing; Medical Devices; Professional Tools; Research & Development; Retinal Photography

LUMBART INSTRUMENT
Disposable Supplies; Exam Room Furniture/Equipment; Hand-Held Instrument; Ophthalmic Instruments; Refractive Systems

LUMENIS-VISION
Laser/Laser Services

LUNETE TECHNOLOGY USA
Abertometers; Corneal Topography Systems; Keratorefractive Test; Measurement Equipment; Refractive Systems

M&S TECHNOLOGIES INC.
Diagnostic Equipment; Exam Room Furniture/Equipment; Medical Devices; Medical Equipment; Research & Development; Vision Testing Systems

*New exhibitor
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<th>Company Name</th>
<th>Products/Services</th>
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<tr>
<td>Mallinckrodt Pharmaceuticals</td>
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<td>Mani, Inc.</td>
<td>Hand-Held Instrument; Ophthalmic Instruments; Ophthalmic Knives; Ophthalmic Safety Knife; Surgical Instruments</td>
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<td>Marasco &amp; Associates</td>
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<td>Aberrometers; Diagnostic Equipment; Digital Imaging Systems</td>
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<td>Market Scope LLC</td>
<td>Market Research</td>
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<td>Mastel Precision Surgical Instruments, Inc.</td>
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<td>MAXIVISION</td>
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<td>MDCHOAUS*</td>
<td>Web Marketing</td>
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<td>MED X Change, Inc.</td>
<td>HD Video Imaging; Medical Devices; Microscopes; Video; Video Imaging Recording; Workflow Optimization</td>
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<td>Millennium Biomedical, Inc.</td>
<td>Intracocular Lenses</td>
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<td>Miracles in Sight</td>
<td>Clinical Research Organization; Corneal Tissue; Dry Eye Products; Education/Training; Non-Profit Organization; Sclera</td>
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<td>Modernizing Medicine, Inc.</td>
<td>Computer Software; Computer Systems; Electronic Medical Records; Patient Management; Practice Management; Revenue Cycle Management</td>
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<td>Moria</td>
<td>Amniotic Tissue; Corneal Transplant Instrumentation; Microkeratomes; Ophthalmic Instruments; PRK &amp; LASIK Supplies; Refractive Systems</td>
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<td>Neomedix Corporation</td>
<td>Glaucoma Devices; Glaucoma Treatment</td>
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<td>Oasis Medical, Inc.</td>
<td>Dry Eye Products; Lid &amp; Lash Cleansers; Ophthalmic Knives; Puncture Plugs; Spears/ Fluid Control; Surgical Disposables</td>
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<td>Diagnostic Contact Lenses; Diagnostic Non-Contact Lenses; Laser Treatment Lenses; Ophthalmic Instruments; Surgical Instruments; Vitrectomy Lenses</td>
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<td>Biologics; Compound Pharmaceuticals</td>
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<td>Ocular Surgery News and Heалио by Slack Inc.</td>
<td>Publication; Publisher</td>
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<td>Ocular Therapeutix</td>
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<td>Corneal Disease Diagnosis; Corneal Topography Systems; Diagnostic Equipment; Digital Imaging Systems; Dry Eye Products; Ophthalmic Instruments</td>
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OCUSOFT INC.
Dry Eye Products; Lid & Lash Cleansers; Lid & Lash Hygiene; Nutriceuticals; Pharmaceutical Products; Punctum Plugs

OERTLI INSTRUMENTE AG
Cataract Surgery; Compact Intuitive Phaco System; Glaucoma Treatment; LED Light Source; Phacoemulsification Products; Surgical Equipment

OMEROS CORPORATION
Cataract Surgery; Ophthalmic Instruments; Pharmaceutical Products; Surgical Supplies

OPHTEC
Capsular Tension Rings; Intraocular Lenses; Ophthalmic Instruments; Refractive Systems; Surgical Instruments; Viscoelastics

OPHTHALMIC INSTRUMENTS, INC
Corneal Topography Systems; Diagnostic Equipment; Digital Imaging Systems; Ophthalmic Instruments; Tonometers; Vision Testing Systems

OPHTHALMIC MUTUAL INSURANCE COMPANY (OMIC)
Insurance Company; Patient Education; Patient Information Materials

OPHTHALMOLOGY DISPENSING SERVICES

OPHTHALMOLOGY MANAGEMENT / PENTAVISION
Advertising Specialty; Internet Marketing; Marketing; Video; Web Marketing

OPHTHALMOLOGY TIMES / UBM
Publication

OPTICALL INC.
Call Center; Computer Software; Patient Education; Patient Management; Staff Training

OPTIMETRICS INC./JAGGI INC.
Diagnostic Equipment; Digital Imaging Systems; Exam Room Furniture/Equipment; HD Video Imaging; Surgical Instruments; Tonometers

OPTOQUEST
Computer Software; Consulting Services; Outcome Software

OPTOS INC.
Diagnostic Equipment

OPTOVUE, INC.
Digital Imaging Systems

OUTPATIENT SURGERY MAGAZINE
Publication

PANASONIC MEDICAL IMAGING
Medical Devices; Medical Equipment; Microscopes

PARAGON BIOTECK
Dry Eye Products; Medical Devices; Pharmaceutical Products; Punctal Occluders; Research & Development

PESCHKE TRADE GMBH
Corneal Cross-Linking; Medical Devices; PRK & LASIK Supplies; Refractive Systems; Solutions

PHYSIOL
Cataract Surgery; Intraocular Lenses; Presbyopia Correction

PINE PHARMACEUTICALS
Cataract Surgery; Compounded Ophthalmic Formulations; Compounded Pharmaceuticals; Macular Degeneration; Pharmaceutical Products

PINPOINT OPTICS
Cataract Surgery; Frames/Sunglasses; Low Vision Products; Post-Op Sunglasses & Kits; PRK & LASIK Supplies; Protective Eye Guards

PLUS SURGICALS
Cannulas; Ophthalmic Instruments; Surgical Instruments; Trephines

PRACTICE FLOW SOLUTIONS
Facility Design; Healthcare Facility Design; Interior Planning; Office/ASC Design & Planning; Patient Flow Consultant; Workflow Optimization

PRECISION VISION, INC.
Exam Room Furniture/Equipment; Low Vision Products; Optical Supplies; Vision Charts

PRESBIA
Corneal Inlay

PRESCOTT’S INC.
Digital Imaging Systems; LED Light Source; Microscopes; Video; Video Imaging Recording

PRN PHYSICIAN RECOMMENDED NUTRICEUTICALS
Dry Eye Products; Macular Degeneration; Nutriceuticals; Vitamins

PROMEDICA INTERNATIONAL
Clinical Research Organization

QUANTEL MEDICAL
A-Scans; Diagnostic Equipment; Laser/Laser Services; Medical Devices; SLT Lasers; Ultrasound Equipment

QUIDEL CORPORATION
Dry Eye Products; Lid & Lash Cleansers; Rapid Point of Care Diagnostics’ Tests

RAYNER
Intraocular Lenses

REGENERON PHARMACEUTICALS INC.*

REICHERT INC.

REPER
Artificial Irises; Capsular Tension Rings; Ocular Implants

RET, INC.
IOL Delivery System; Lens Injection Systems; Ophthalmic Instruments

REVIEW OF OPHTHALMOLOGY
Education/Training; Marketing; Publication; Publisher

RUMEX INTERNATIONAL CO.
Cataract Surgery; Corneal Marking; Glaucoma Treatment; LASIK Supplies; Ophthalmic Instruments; Ophthalmic Knives

SAOPTIK
Corneal Topography Systems; Diagnostic Equipment; Digital Imaging Systems; Exam Room Furniture/Equipment; Ophthalmic Instruments; Retinal Photography

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<td>SAV-IOL SA*</td>
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<td>SCHWIND EYE-TECH-SOLUTIONS GMBH</td>
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<td>Computer Software; Desktop Topographer; Diagnostic Equipment; Hand-Held Instrument; Microscopes; Vision Charts</td>
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<td>A-Scans; Diagnostic Equipment; Medical Equipment; Outcome Software; Solutions; Ultrasound Equipment</td>
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<td>Communication Technology; Email Systems; Patient Education; Patient Management; Patient Surveying; Practice Management</td>
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<td>SPEEDWAY SURGICAL CO.</td>
<td>Cataract Surgery; Disposable Injectors; Intraocular Lenses; IOL Delivery System; Lens Injection Systems; Medical Devices</td>
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<td>STEPHENS INSTRUMENTS/AUSIL</td>
<td>Disposable Injectors; Disposable Supplies; Intraocular Lenses; Surgical Instruments; Surgical Kits; Sutures</td>
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<td>SUN OPHTHALMICS</td>
<td>Cataract Surgery; Dry Eye Products; Glaucoma Treatment</td>
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<td>Medial Equipment; Ophthalmic Instruments; Outpatient Surgery Centers; Sterilization Equipment; Surgery Development Management; Surgical Equipment</td>
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<td>SURGISTAR INC.</td>
<td>Cannulas; Corneal Transplant Instrumentation; Ophthalmic Knives; Ophthalmic Safety Knife; Surgical Disposables; Trephines</td>
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<td>SURGLOGS*</td>
<td>Computer Software; Healthcare IT Management Services; Office/ASC Design &amp; Planning; Workflow Optimization</td>
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<td>TEAR FILM INNOVATIONS</td>
<td>Dry Eye Products; Hand-Held Instrument; Medical Devices; Medical Equipment; Ocular Surface Solutions</td>
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<td>TEARLAB CORPORATION</td>
<td>Diagnostic Equipment; Dry Eye Products; Lab Equipment; Lacrimal Products; Medical Devices; Ocular Surface Solutions</td>
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<tr>
<td>TBIKIA INC.</td>
<td>THE DRY EYE DOCTOR, INC.*</td>
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<td>THE EYE GROUP</td>
<td>Physician Recruiting &amp; Placement; Practice Consulting; Practice Sales</td>
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<tr>
<td>THE LEBANON CORPORATION</td>
<td>Surgical Disposables; Surgical Instruments</td>
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<td>THE OPHTHALMOLOGIST</td>
<td>Publication; Publisher</td>
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<td>THE PILOT GROUP*</td>
<td>Lab Equipment; Laboratory Services; Lens Services; Measurement Equipment; Quality Control</td>
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<td>TIANJIN SUOWEI ELECTRONIC TECHNOLOGY CO., LTD.*</td>
<td>A-Scans; Corneal Topography Systems; Diagnostic Equipment; Retinal Photography; Tonometers; Ultrasound Equipment</td>
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<td>TITAN MEDICAL LLC</td>
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<td>TITAN SURGICAL USA INC</td>
<td>Surgical Instruments</td>
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<td>TOMEY CORPORATION</td>
<td>Corneal Topography Systems; Dry Eye Products; Lens Services; Microscopes; Refractive Systems; Tonometers</td>
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<td>TRACEY TECHNOLOGIES</td>
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<td>TRANSITION BY WINCO</td>
<td>Manufacturing; Medical Devices; Medical Equipment; Surgical Stretcher</td>
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<td>TTI MEDICAL</td>
<td>Diagnostic Equipment; Digital Imaging Systems; Video</td>
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PUSHING BEYOND LIMITATIONS