

MEETING AT A GLANCE

AUGUST 24—28



ASRS

TORONTO 2013
ANNUAL MEETING

EVENT LOCATIONS

| | |
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| Subspecialty Reviews | Grand Ballroom <i>Lower Concourse</i> |
| Brazilian Retina & Vitreous Society: Brainstorm in Retina: A Clinical and Surgical Case Discussion | Grand Ballroom <i>Lower Concourse</i> |
| General Sessions | Grand Ballroom <i>Lower Concourse</i> |
| Retina Case Conference | Grand Ballroom <i>Lower Concourse</i> |
| Continental Breakfasts & Breaks | Grand Foyer <i>Lower Concourse</i> |
| Lunches | Exhibit Hall <i>Lower Concourse</i> |
| ASRS International Member Reception | Willow Room <i>Mezzanine</i> |
| Welcome Reception | Hockey Hall of Fame <i>Off-site</i> |
| Dragon Boat Races | Toronto Sailing and Canoe Club <i>Off-site; shuttle transportation provided</i> |
| Scientific Posters and Exhibits | Exhibit Hall <i>Lower Concourse</i> |
| Film Festival Kiosks | Vide Lobby <i>Lower Concourse</i> |
| Paper on Demand (POD) Kiosks | Grand Ballroom Foyer <i>Lower Concourse</i> |
| Instructional Courses | Vide Lobby <i>Lower Concourse</i> Grand Ballroom <i>Lower Concourse</i> Essex Ballroom <i>Mezzanine</i> Simcoe/Dufferin, Dominion North, Dominion South, Civic North, Civic South <i>Second Floor</i> |
| Gala Dinner <i>Preceded by reception</i> | Liberty Grand <i>off-site; shuttle transportation provided</i> |
| Umbo Lounge | Muzik <i>Off-site; shuttle transportation provided</i> |
| Speaker-Ready Room | VIP Room <i>Concourse</i> |
| PAT Survey Posters | Exhibit Hall <i>adjacent to booth 225</i> |
| Young Physicians Section (YPS) Symposium and Lunch | Dominion South <i>Second Floor</i> |
| Women in Retina (WinR) Symposium and Lunch | Dominion South <i>Second Floor</i> |

The American Society of Retina Specialists is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Society of Retina Specialists designates this live activity for a maximum of 31 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Information

In accordance with the ACCME's Standards for Commercial Support, ASRS required all individuals controlling the content of this CME activity to disclose any relevant financial relationships with commercial interests. ASRS implemented mechanisms to manage any conflicts of interest. Please see the program booklet (our mobile meeting site) for disclosure information for all planners and teachers of this CME activity.

SATURDAY, AUGUST 24

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| 8-9 AM | Continental breakfast |
| 8:30-10:30 AM | Subspecialty Reviews Moderator: Sophie Bakri, MD |
| 8:30-9:50 | What's New, Controversial, and Innovative in Glaucoma, (Complex) Cataract, and IOL Surgery, Ike K. Ahmed, MD; Devesh K. Varma, MD |
| 9:50-10:30 | Uveitis, Narsing Rao, MD |
| 10:30-10:45 AM | Break |
| 10:45-11:45 AM | Brazilian Retina & Vitreous Society Symposium Brainstorm in Retina: A Clinical and Surgical Case Discussion Chair: Walter Takahashi, MD Moderator: André Gomes, MD, PhD Panelists : Marcio Nehemy, MD, PhD; André Maia, MD; Baruch Kuppermann, MD, PhD; William Mieler, MD; Kourous Rezaei, MD Case presenters: Eduardo Cunha de Souza, MD; Mauro Goldbaum, MD; Leandro Cabral Zacharias, MD; Magno Ferreira, MD; Nelson Sabrosa, MD; Leonardo Bruno Oliveira, MD |
| 11:45-12:45 PM | Lunch |
| 12:45-12:50 PM | Welcome |
| 12:50-1:05 PM | Trauma Moderators: Jay Duker, MD and Amy Schefler, MD |
| 12:50 | High-Power Blue Handheld Laser-Induced Maculopathy: The Results of a Collaborative Retina Study Group, J. Fernando Arevalo, MD, FACS |
| 12:54 | Artificial Iris for Posttraumaticc Aniridia or Large Iris Coloboma, Cesare Forlini, MD |
| 12:58 | Discussion |
| 1:05-1:35 PM | Pharmacology Moderators: Jay Duker, MD and Amy Schefler, MD |
| 1:05 | The Barriers to Drug Development, Jeffrey Heier, MD |
| 1:13 | Changes in Flare Following Intravitreal Injection of Three Different Anti-VEGF Medications, Nneka Brooks, MD |
| 1:21 | Penetration and Transportation of Intravitreal Bevacizumab and Ranibizumab Into the Optic Nerve of the Fellow Eye, Sophie Bakri, MD |
| 1:29 | Discussion |
| 1:35-2:40 PM | Ocular Oncology Moderators: Jay Duker, MD and Amy Schefler, MD |
| 1:35 | Role of Intravitreal Anti-Vascular Endothelial Growth Factor Injections for Choroidal Neovascularization Due to Choroidal Osteoma, Ahmad Mansour, MD |

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| 1:43 | EDI-OCT of Intraocular Tumors: Hot Off the Press, Carol Shields, MD |
| 1:51 | Results of Pd-103 Plaque Brachytherapy for Small Choroidal Melanoma, Paul Finger, MD, FACS |
| 1:59 | Discussion |
| 2:07 | Choroidal Thickness After Treatment of Uveal Melanoma With Iodine-125 Plaque Brachytherapy, William Mieler, MD |
| 2:15 | Fundus Autofluorescence and Primary Vitreoretinal Lymphoma: Is it Clinically Useful?, Lisa Faia, MD |
| 2:23 | Retinal Vasoproliferative Tumors in Patients With Neurofibromatosis in 6 Patients, Jerry Shields, MD |
| 2:31 | Discussion |

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| 2:40-3 PM | Break |
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| 3-4:45 PM | Medical Case Conference |
| | Moderators: Richard Spaide, MD and William Mieler, MD |
| | Presenters: Katia Taba, MD, PhD Min Kim, MD Peter Liggett, MD Emil Anthony Say, MD Mohamed Hajj, MD, FRCS(C) Shree Kurup, MD Ron Adelman, MD, MPH John Chen, MD, FRCS(C) Christina Weng, MD, MBA Bruce Saran, MD Caroline Chee, MBBS, FRCSEd, FRCOph Zofia Michalewska, MD, PhD Paul Bernstein, MD, PhD David Sarraf, MD Colin McCannel, MD |

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| 4:45-6 PM | Surgical Case Conference |
| | Moderators: Carl Awh, MD and Kourous Rezaei, MD |
| | Presenters: Charles Gremillion, MD Paul Hahn, MD, PhD Joseph Martel, MD Pear Pongsachareonnont, MD Tidarat Prechanond, MD Jay Stewart, MD Glenn Yiu, MD, PhD |
| | Panelists: Nur Acar, MD Virgilio Morales-Canton, MD David Chow, MD, FRCS(C) Yusuke Oshima, MD, PhD Stanislao Rizzo, MD Gaurav Shah, MD |

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| 7-10 PM | Welcome Reception—Hockey Hall of Fame (no CME) |
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| SUNDAY, AUGUST 25 | |
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| 7-8:30 AM | Continental breakfast |
| 7:30-8:30 AM | Surgical Techniques I |
| | Moderators: Carl Awh, MD and David Chow, MD, FRCS(C) |
| 7:30 | Lift and Peel 27g and 25g Vitrectomy Technique in the Management of Traction Retinal Detachments, Maria Berrocal, MD |
| 7:38 | Open-Angle Glaucoma Following Uncomplicated Pars Plana Vitrectomy. Results of the Pan-American Collaborative Study Group, Virgilio Morales-Canton, MD |
| 7:46 | Surgical Approaches to Fine-Needle Aspiration Biopsy in the Evaluation of Posterior Uveal Malignant Melanoma Treated With 125-Iodine Brachytherapy, Timothy Murray, MD, MBA |
| 7:54 | Discussion |
| 8 | Effect of Filters on Tissue Visualization in Vitreoretinal Surgery, David Chow, MD, FRCS(C) |
| 8:08 | Intraocular Lens Rescue Via a Novel Scleral Fixation Technique, Jonathan Prenner, MD |
| 8:16 | Interim Review of Surgical Development for Subretinal Administration of Human Umbilical Tissue-Derived Cells (CNTO 2476), Michael Samuel, MD |
| 8:24 | Discussion |
| 8:30-9:28 AM | Macular |
| | Moderators: Carl Awh, MD and David Chow, MD, FRCS(C) |
| 8:30 | Optimization of Vitrectomy for Idiopathic Macular Hole, Mathew MacCumber, MD, PhD |
| 8:34 | Surgical Outcomes in Patients With Macular Pucker and Good Preoperative Visual Acuity After Vitrectomy With Membrane Peeling, Gayatri Reilly, MD |
| 8:42 | The Clinical Course of Vitreofoveal Adhesion Managed by Initial Observation, Harry Flynn, MD |
| 8:50 | Discussion |
| 8:56 | Baseline Features Predictive of Pharmacologic Vitreomacular Adhesion (VMA) Resolution and Full-Thickness Macular Hole (FTMH) Closure With Ocriplasmin, Tarek Hassan, MD |
| 9 | Characterization of Full-Thickness Macular Holes in the MIVI-TRUST Program: An Optical Coherence Tomography (OCT) Analysis of Ocriplasmin Efficacy, Peter Kaiser, MD |
| 9:04 | Ocriplasmin for the Treatment of Vitreomacular Traction: Clinical Indications and Predictors of Success, Daniel Roth, MD |
| 9:08 | Foveolar Lucency and Delayed Structural Recovery After Macular Hole Closure in the Ocriplasmin Phase III Program, Tamer Mahmoud, MD, PhD |
| 9:12 | Short-Term Efficacy and Safety of a Single Intravitreal Injection of Ocriplasmin in Patients With Symptomatic Vitreomacular Adhesion (VMA), Jacob Meyer, MD |
| 9:16 | Discussion |
| 9:28-9:50 AM | Break |

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| 9:50-11:05 AM | Awards Ceremony |
| | Moderators: John Thompson, MD and Tarek Hassan, MD |
| 9:50 | Pyron Award Introduction, John Thompson, MD |
| 9:55 | Pyron Award, George A. Williams, MD Pharmacologic Vitreolysis: Past, Present, and Future |
| 10:25 | Founders Award Introduction, Tarek Hassan, MD |
| 10:30 | Founders Award, Trexler Topping, MD The Practice of Medicine—Playing by the Numbers |
| 11 | Young Physicians Section (YPS), Crystal Apple Award |

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| 11:05-11:50 AM | Genetics and Disease Symposium |
| | Moderators: John Thompson, MD and Tarek Hassan, MD |
| 11:05 | Genetic Analysis Increases the Predictive Accuracy for Progression From Early to Advanced AMD, Lawrence Singerman, MD |
| 11:13 | Earlier Detection of Advanced AMD Due to Office-Based Genetic Testing for AMD Risk, Peter Sonkin, MD |
| 11:21 | Genotype Analysis for Single Nucleotide Polymorphisms: Profile of Eyes With Vascularized PED Due to AMD vs. Eyes Without AMD and Eyes With Drusen, Clement Chan, MD, FACS |
| 11:29 | CFH and ARMS2 Genetic Polymorphisms Predict Response to Antioxidants and Zinc in Patients With Age-Related Macular Degeneration Carl Awh, MD |
| 11:37 | Discussion |

11:50 AM-1:20 PM General Lunch; Young Physicians Section (YPS) Symposium Lunch (no CME)

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| 1:20-2:10 PM | AMD I |
| | Moderators: Jeffrey Heier, MD and Pravin Dugel, MD |
| 1:20 | HARBOR 2-Year Results Support Individualized Dosing in Patients With Wet Age-Related Macular Degeneration, Brandon Busbee, MD |
| 1:28 | Effect of Monthly vs PRN Ranibizumab on Patient-Reported Visual Function for Subfoveal Neovascular Age-Related Macular Degeneration Over 24 Months, Neil Bressler, MD |
| 1:36 | Anti-therapeutic Antibody Status Does Not Appear to Impact Treatment Response to Ranibizumab in the HARBOR Study, Karl Csaky, MD, PhD |
| 1:40 | Evaluation of the Presence and Extent of Geographic Atrophy Over 2 Years in the HARBOR Trial, SriniVas Sadda, MD |
| 1:44 | Ranibizumab Leads to Regression or Elimination of Choroidal Neovascular Membranes in Most Eyes With AMD: A HARBOR Subanalysis, John Kitchens, MD |
| 1:48 | Discussion |
| 1:54 | The Effect of Early, Persistent Fluid on Subsequent Visual Acuity in the VIEW 1 and VIEW 2 Studies of Neovascular AMD, Glenn Jaffe, MD |
| 2:02 | Association Between Retinal Fluid Status at Weeks 12 and 52 in Wet-AMD Patients Treated With Intravitreal Aflibercept Injection in the VIEW Studies, Seenu Hariprasad, MD |
| 2:06 | Discussion |

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| 2:10-3:30 PM | AMD 2 |
| | Moderators: Jeffrey Heier, MD and Pravin Dugel, MD |
| 2:10 | Anti-VEGF Therapy Outcomes of First and Second Eyes Utilizing Electronic Medical Records: The Future for Phase IV Trials, Adnan Tufail, MBBS, MD, FRCOphth |
| 2:18 | Vitreous Proteomics Reveals a Biomarker Panel That Predicts the Response of Patients With Wet AMD to Treat-and-Extend Therapy, Bert Glaser, MD |
| 2:26 | Comparison of Systemic Pharmacokinetics Post-Anti-VEGF Intravitreal Injections of Ranibizumab, Bevacizumab and Aflibercept, Robert Avery, MD |
| 2:34 | VEGF Plasma Level After Intravitreal Injection of Bevacizumab, Ranibizumab and Pegaptanib in Patients With Age-Related Macular Degeneration and Diabetic Macular Edema, Gerhard Kieselbach, MD, Prof. |
| 2:42 | Discussion |
| 2:50 | Omega-3 Supplementation and VEGF Levels in Wet AMD, Flavio Rezende, MD, PhD |
| 2:58 | Lutein/Zeaxanthin and Omega-3 Fatty Acids for Age-Related Macular Degeneration. Results of the Age-Related Eye Disease Study 2 (AREDS2) Randomized Clinical Trial, Emily Chew, MD |
| 3:06 | ForeseeHome in AREDS2-Home Monitoring of AMD Patients for Neovascular AMD: Study Design, Enrollment, Baseline Characteristics and Initial Device Usage, Susan Bressler, MD |
| 3:14 | Periodontal Disease and Age-Related Macular Degeneration, Jorge Arroyo, MD, MPH |
| 3:18 | Discussion |

3:30-3:50 PM Break

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| 3:50-5:30 PM | Inherited, Inflammatory, and Infectious Disease |
| | Moderators: Harry Flynn, MD and Allen Ho, MD |
| 3:50 | Programed Necrosis, but Not Apoptosis, Mediates Photoreceptor Cell Loss and Inflammation in dsRNA-Induced Retinal Degeneration, Joan Miller, MD |
| 3:58 | Long-term Follow-up for Efficacy and Safety of Treatment of Retinitis Pigmentosa With Valproic Acid, Christine Kay, MD |
| 4:06 | Visual and Anatomic Results of the Macula Society Photodynamic Therapy (PDT) for Chronic Central Serous Chorioretinopathy (CSC) Retrospective Study, Jennifer Lim, MD |
| 4:14 | Micropulse Photocoagulation Versus Half-Dose Verteporfin Photodynamic Therapy in the Treatment of Central Serous Chorioretinopathy, Michael Koss, MD |
| 4:22 | Discussion |
| 4:28 | Suprachoroidal Drug Delivery of Triamcinolone Acetonide in Vogt-Koyanagi-Harada Disease, Michael J. Davis, MD |
| 4:32 | New Perspectives on Autoimmune Retinopathy: Cases From a National Cancer Institute Designated Cancer Center, Jennifer Spiegel, MD |
| 4:36 | Endophthalmitis Following Vitrectomy: A Prospective Nationwide UK Study, Somdutt Prasad, MS, FRCSEd, FRCOphth, FACS |
| 4:40 | Discussion |

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| 4:46 | Eliminating Antibiotic Prophylaxis for Intravitreal Injections: A Consecutive Series of 18,839 Injections by a Single Surgeon, Abdhisv Bhavsar, MD |
| 4:54 | The Role of Topical Antibiotic Prophylaxis to Prevent Endophthalmitis After Intravitreal Injection, Sunir Garg, MD |
| 5:02 | Initial Presentation of Fungal Endophthalmitis Outbreak Following Intravitreal Injections of Triamcinolone Contaminated by a Compounding Pharmacy, Kent Small, MD |
| 5:06 | Characterization of Sterile Intraocular Inflammatory Reactions After Intravitreal Aflibercept Injection, Deborah Chong, MD |
| 5:10 | Sterile Intraocular Inflammation in a Cluster of Patients Receiving Intravitreal Injections of Bevacizumab Prepared From a Single Vial, Michael Stewart, MD |
| 5:14 | A Cluster of Sterile Inflammation Associated With Aflibercept Intravitreal Injections—An ASRS Therapeutic Surveillance Committee Report, Paul Hahn, MD, PhD |
| 5:18 | Discussion |

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| 5:30-6:30 PM | Scientific Posters and Exhibit Hall Reception (no CME) |
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| 6:30-9:30 PM | Dragon Boat Races (no CME) |
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MONDAY, AUGUST 26

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| 6:30-8 AM | Continental breakfast |
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| 7-7:25 AM | ASRS Business Meeting (no CME) |
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| 7:25-7:30 AM | PAT Survey Presentation Thomas Stone, MD |
| 7:30-9:30 AM | Retinal Detachment, Instruments/Devices I Moderators: John Pollack, MD and Andrew Schachat, MD |
| 7:30 | Management of Retinal Detachments: The European Vitreo-Retinal Society Retinal Detachment Study, Ron Adelman, MD, MPH |
| 7:38 | Scleral Buckling for Rhegmatogenous Retinal Detachment Using Vitrectomy-Based Visualization Systems and Chandelier Illumination, Manish Nagpal, MD, FRCS (UK) |
| 7:42 | Intraoperative Spectral-Domain OCT During Pars Plana Vitrectomy for Macula-Involving Retinal Detachments Sunil Srivastava, MD |
| 7:46 | Does Combined Phacovitrectomy for Rhegmatogenous Retinal Detachment (RRD) Modify the Risk of Developing Proliferative Vitreoretinopathy (PVR)?, Rubina Rahman, MBBS, FRCOphth, FRCS |
| 7:50 | Giant Retinal Tear (GRT) Detachments: Surgical Strategies and Outcomes, John Pitcher, MD |
| 7:54 | Discussion |
| 8:07 | Unexplained Visual Loss After Removal of Silicone Oil: Results of the Pan-American Collaborative Retina Study Group (PACORES), Jose Roca, MD |

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| 8:11 | Magnetic Tamponade With Nanoparticles for RD Treatment, Mario Saravia, MD |
| 8:15 | Office-Based Sutureless Scleral Buckling, Nikolas London, MD |
| 8:19 | Suprachoroidal Buckling for Retinal Detachment, Ehab El-Rayes, MD, PhD |
| 8:23 | Discussion |
| 8:36 | Oral Fluoroquinolones and the Incidence of Rhegmatogenous Retinal Detachment and Symptomatic Retinal Breaks: A Population-Based Study, Andrew Barkmeier, MD |
| 8:40 | Smoking Is a Risk Factor for Proliferative Vitreoretinopathy After Traumatic Retinal Detachment Dean Elliott, MD |
| 8:44 | Discussion |
| 8:52 | Application of Intraoperative OCT to Ophthalmic Surgery: PIONEER 18-month iOCT Vitreoretinal Results, Justis Ehlers, MD |
| 9 | Three-Year Results From the Argus II Clinical Trial Mark Humayun, MD, PhD |
| 9:08 | The Subretinal Implant Alpha IMS to Deliver Useful Vision in Photoreceptor Disease, Caroline Chee MBBS, FRCSEd, FRCOph |
| 9:16 | Handheld Vitreoretinal SMART Microforceps With Active Tremor Reduction, Peter Gehlbach, MD, PhD |
| 9:20 | Discussion |

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| 9:30-10 AM | Break |
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| 10-11:20 AM | Socioeconomics Moderators: Trexler Topping, MD and Michael Trese, MD |
| 10 | Activity-Based Costing (ABC)-Measuring the Vital Signs of a Retinal Practice, Mark Nelson, MD, MBA |
| 10:08 | Physician Reimbursement for Retinal Surgery: A Survey of Patients' Perceptions and Attitudes, Leo Kim, MD, PhD |
| 10:16 | Do-It-Yourself Sterile Repackaging of Bevacizumab in a Retina Clinic, Geoffrey Emerson, MD, PhD |
| 10:24 | Discussion |
| 10:30 | The Compounding Pharmacy Quagmire: Is Your Bevacizumab Sterile? John Thompson, MD |
| 10:38 | Mandated Tiered Therapy for Age-Related Macular Degeneration Threatens Physician Choice of Treatment, Tarek Hassan, MD |
| 1046 | Discussion |
| 10:52 | Physician Payment Reform Update, David Parke, MD |
| 11 | BIG DATA: A New Era of Improved Quality, Outcomes and Science, William Rich, MD |
| 11:08 | Discussion |

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| 11:20 AM-12:40 PM | Pediatrics Moderators: Trexler Topping, MD and Michael Trese, MD |
| 11:20 | Endoscopic Pars Plana Vitrectomy Following Penetrating Eye Injuries in Children, Emil Anthony Say, MD |

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| 11:28 | Macular Development In Vivo Followed by Fluorescein Angiography and Spectral-Domain OCT in Premature Patients With Retinopathy of Prematurity (ROP), Maria Martinez-Castellanos, MD |
| 11:36 | Adult Retinopathy of Prematurity: A 35-Year Review, Joshua Robinson, MD |
| 11:44 | Discussion |
| 11:52 | Long-term Outcomes of Lens Clarity Following Lens-Sparing Vitrectomy for Retinopathy of Prematurity, Michael Trese, MD |
| 11:56 | Long-term Anatomic, Visual, and Quality-of-Life Outcomes of Lens-Sparing Vitrectomy for Stage 4 Retinopathy of Prematurity, G. Baker Hubbard, MD |
| 12 | Retinal Vascularization After Intravitreal Bevacizumab Injection for Aggressive Posterior Retinopathy of Prematurity (AP-ROP), Sjakon Tahija, MD |
| 12:04 | ROPER: Is It ROP or Is It FEVR?, Audina Berrocal, MD, FACS |
| 12:08 | Discussion |
| 12:16 | Choroidal Thickness in Patients With a History of Retinopathy of Prematurity, Wei-Chi Wu, MD, PhD |
| 12:20 | Digital Imaging to Reduce Visual Impairment in Neonates and Children, Kimberly Drenser, MD |
| 12:24 | Evolution and Treatment of Traction Retinal Detachments Associated With Severe Coats' Disease in Children, Philip Ferrone, MD |
| 12:28 | Clinical Features and Outcomes of Rhegmatogenous Retinal Detachment in the Pediatric Population, Justin Townsend, MD |
| 12:32 | Discussion |

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| 12:40-1:45 PM | General Lunch; Women in Retina (WinR) Lunch (no CME) |
| 5-6 PM | Scientific Posters and Exhibit Hall Reception (no CME) |
| 6-7:30 PM | Women in Retina (WinR) Case Conference (no CME) |
| 7-10 PM | FIT Section Speed Networking Evening (no CME) |

TUESDAY, AUGUST 27

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| 7-8 AM | Continental breakfast |
| 7:30-9:30 AM | AMD 3, Diabetic Retinopathy I Moderators: Suber Huang, MD, MBA and George Williams, MD |
| 7:30 | Pachychoroid Pigment Epitheliopathy, K. Bailey Freund, MD |
| 7:38 | Cell Therapy for AMD: Interim Results of a Phase 1 Clinical Study Evaluating the Safety and Clinical Response of Human Umbilical Tissue-Derived Cells, Allen Ho, MD |
| 7:46 | MAHALO Phase II Study: Safety, Tolerability and Activity of Lampalizumab (Anti-factor D) in Patients With Geographic Atrophy, David Williams, MD, MBA |
| 7:54 | Discussion |
| 8:04 | Smoking and Choroidal Thickness in Patients Over 65 With Placoid Drusen, Early Atrophic Age-Related Macular Degeneration, and Normals, Eric Sigler, MD |

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| 8:08 | Correlation Between the Subfoveal Choroidal Thickness and the Severity of the Progression of Dry Age-Related Macular Degeneration, Young HeeYoon, MD |
| 8:12 | Discussion |
| 8:18 | Wet AMD: What Happens When You Switch Anti-VEGF Agents? |
| 8:20 | Aflibercept for Exudative AMD With Persistent Fluid on Ranibizumab and/or Bevacizumab, Hyung Cho, MD |
| 8:23 | What Happens When You Switch Wet-AMD Patients to Aflibercept? Theodore Leng, MD, MS |
| 8:26 | Response of Aflibercept in Patients With Neovascular AMD and Persistent Fluid on OCT, Ashish Sharma, MD, FACS |
| 8:29 | Longer-term Results of Aflibercept in Cases of Neovascular AMD Incompletely Responsive to Other Anti-VEGF Agents, Franco Recchia, MD |
| 8:32 | Long-term Follow-up on the Use of Aflibercept for the Treatment of Refractory Neovascular Age-Related Macular Degeneration, Sara Haug, MD, PhD |
| 8:35 | Worsening of Macular Edema After Aflibercept Injection for Exudative ARMD in Eyes Previously Well Controlled With Ranibizumab, Eric Nudleman, MD, PhD |
| 8:38 | Discussion |
| 8:48 | Intravitreal Ranibizumab Modifies the Natural History of Diabetic Retinopathy: 36-Month Data From the RISE and RIDE Phase III Trials, W. Lloyd Clark, MD |
| 8:56 | Effect of Ranibizumab Injections for Diabetic Macular Edema on Risk of Sustained IOP Elevation or Initiation of Ocular Anti-hypertensive Drugs, Suber Huang, MD, MBA |
| 9:04 | Randomized Clinical Trial Evaluating Intravitreal Ranibizumab or Saline for Vitreous Hemorrhage From Proliferative Diabetic Retinopathy, Victor Gonzalez, MD |
| 9:12 | Discussion |
| 9:20 | Evaluation of Nepafenac 0.1% in the Prevention of Macular Edema (ME) Following Cataract Surgery in Patients with Diabetic Retinopathy, Rishi Singh, MD |
| 9:28 | Discussion |

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| 9:30-10 AM | Break |
| 10-11 AM | Retinal Vascular Disease Moderators: David Williams, MD, MBA and Timothy Murray, MD, MBA |
| 10 | Effect of Alternate Ranibizumab (RBZ) Dosing Regimens on Visual and Anatomic Outcomes in Patients with Retinal Vein Occlusion (RVO) — The SHORE Study, Dennis Marcus, MD |
| 10:08 | Systemic Safety Profile of Intravitreal Ranibizumab in Wet AMD, RVO, and DME: A Meta-Analysis of 14 Phase II/III Clinical Trials, Baruch Kuppermann, MD, PhD |
| 10:16 | Factors Associated With the Number of Intravitreal Aflibercept Injections (IAI) During the PRN Phase of CRVO Studies, David Boyer, MD |
| 10:24 | Discussion |
| 10:32 | Ranibizumab and Aflibercept for the Treatment of Retinal Vein Occlusion (RVO): A Cross-Trial Comparison, Pravin Dugel, MD |

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| 10:36 | Dexamethasone Implant Anterior-Chamber Migration: Risk Factors, Complications, and Management Strategies, Rahul Khurana, MD |
| 10:40 | Retrospective Study of Two or More Dexamethasone Intravitreal Implant Injections for Treatment of Macular Edema Secondary to Retinal Vein Occlusion, Shree Kurup, MD |
| 10:44 | Safety and Feasibility of a Biodegradable Implant of Dexamethasone (DDS-25 Gauge) for Macular Edema Associated With Retinal Vein Occlusion: A Phase I/II Clinical Trial, Rodrigo Jorge, MD |
| 10:48 | Does Addition of Laser Increase Efficacy in Retinal Vein Occlusion Eyes Treated With Simultaneous Bevacizumab and Dexamethasone Intravitreal Implant? Alay Banker, MD |
| 10:52 | Discussion |

11 AM-12:27 PM Instruments/Devices II, Surgical Techniques II

Moderators: **David Williams, MD, MBA** and **Timothy Murray, MD, MBA**

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| 11 | Expanded Criteria for Pneumatic Retinopexy and Potential Cost Savings, Darin Goldman, MD |
| 11:08 | Assessment of a New Light-Emitting Diode-Based Light Source for Vitrectomy Surgery, Colin McCannel, MD |
| 11:16 | New Shapes for Vitreous Cutter Blades: A Particle Image Velocimetry Study, Tommaso Rossi, MD, EBOD |
| 11:24 | Discussion |
| 11:34 | Combined Pars Plana Vitrectomy and Glaucoma Drainage Device Surgery in Complex Pediatric Glaucoma: Outcomes and Complications, Prithvi Mruthyunjaya, MD |
| 11:38 | Optic Pit Maculopathy: Surgical Technique and Long-term Follow-up. A Multicenter Milan Study, Fabio Patelli, MD |
| 11:42 | Intramacular, Microdissection for Recurrent Macular Holes With Cystic Edges, Nabil Jabbour, MD, FACS |
| 11:46 | Retinal and Intravitreal Temperature During Vitreous Surgery, Gabriela Lopezcarasa Hernandez, MD |
| 11:50 | Vitrectomy With 25-Gauge and Incomplete Drainage of Subretinal Fluid for the Treatment of Primary Rhegmatogenous Retinal Detachment, Stratos Gotzaris, MD, MBBS, MD |
| 11:54 | Discussion |
| 12:04 | Experimental Comparison of Peripheral Vitreous Incarceration Using Valved and Non-valved Cannula in a Cadaveric Animal Eye Model, Martin Charles, MD |
| 12:08 | Iatrogenic Retinal Breaks in 25-Gauge Vitrectomy Under Air (Airbag-Vitrectomy) Compared With the Standard 25-Gauge System for Macular Diseases, Cesare Mariotti, MD |
| 12:12 | Collateral Damage, Kourous Rezaei, MD |
| 12:16 | One-Year Results of the Prospective Retinal and Optic Nerve Vitrectomy Evaluation (PROVE) Study: A Controlled Clinical Trial, Rohan Shah, MD |
| 12:20 | Discussion |

12:27-1:30 PM Lunch

1:30-5:30 PM Instructional Courses

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| 1:30-2:20 <i>Essex Mezzanine</i> | Duke Surgery Rounds: Deconstructing PPV... From A to Z, Paul Hahn, MD, PhD Faculty: Tamer H. Mahmoud, MD, PhD ; Prithvi Mruthyunjaya, MD ; Glenn J. Jaffe, MD ; Carl C. Awh, MD ; Dean Elliott, MD ; J. Michael Jumper, MD |
| 1:30-2:20 <i>Simcoe/Dufferin Second Floor</i> | EMR Implementation and Optimization for Retina Rishi Singh, MD Faculty: Sanjay Logani, MD, MBA |
| 1:30-2:20 <i>Dominion North Second Floor</i> | Endoscopic Vitrectomy in Adult and Pediatric Vitreoretinal Diseases, S. Wong, MBBS, FRCSEd(ophth), MRCOphth Faculty: Thomas C. Lee, MD ; Allen C. Ho, MD ; Victor Hugo Gonzalez, MD ; Jeffrey S. Heier, MD |
| 1:30-2:20 <i>Civic South Second Floor</i> | ICG Imaging for the Diagnosis and Management of Exudative Age-Related Macular Degeneration Mark Nelson, MD, MBA |
| 1:30-2:20 <i>Civic North Second Floor</i> | Surgical Management of Complicated Retinal Detachments, Jay Chhablani, MD Faculty: Raja Narayanan, MD ; Hemanth Murthy, MBBS, MD ; Manish Nagpal, MD, FRCS (UK) ; Alay S. Banker, MD |
| 1:30-3 <i>Grand Ballroom Lower Concourse</i> | Retinaws: When the Going Gets Tough, the Tough Get Going—Challenging Cases in Vitreoretinal Surgery, Kourous Rezaei, MD Faculty: Jose Garcia Arumi, MD, PhD ; Carl Claes ; Andre V. Gomes, MD, PhD ; Ehab N. El-Rayes, MD, PhD ; Stratos V. Gotzaris, MD, MBBS, MD ; Homayoun Tabandeh, MD ; John T. Thompson, MD ; Young Hee Yoon, MD |
| 1:30-2:20 <i>Dominion South Second Floor</i> | 'First 20 Dates With Internal Limiting Membrane (ILM)' Tips on Macular Surgery Techniques for Beginners, Malhar Soni, DO, MS, DNB, FRCS Faculty: Pravin U. Dugel, MD ; Gopal Lingam, MS, FRCS ; Steve T. Charles, MD |
| 2:30-3:20 <i>Simcoe/Dufferin Second Floor</i> | Subthreshold Laser Treatment of Diabetic Macular Edema: Methods to Maximize Structural and Visual Outcomes, Jeffrey Luttrull, MD Faculty: Stephen H. Sinclair, MD ; Edoardo Midena, MD, PhD, FARVO, FEBO |
| 2:30-3:20 <i>Dominion South Second Floor</i> | Vitreomacular Interface Pathology: OCT Interpretations, Wai-Ching Lam, MD, FRCS(C) Faculty: Emmanouil Mavrikakis, MD, PhD ; Varun Chaudhary, MD ; Shao Onn Yong, MD, FRCSE ; Rajeev H Muni, MD, MSC, FRCSC |
| 2:30-3:20 <i>Dominion North Second Floor</i> | Powerplay: Vitreoretinal Surgery in Inflamed Eyes, Thomas Albini, MD Faculty: Steven Yeh, MD ; Efrem D. Mandelcorn, MD ; Rahul N. Khurana, MD |
| 2:30-3:20 <i>Civic North Second Floor</i> | Intraocular Tumors and Pseudotumors. Rapid-Fire Cases and Clinical Pearls, Jerry Shields, MD Faculty: Carol L. Shields, MD |
| 2:30-3:20 <i>Civic South Second Floor</i> | Anterior-Segment Microsurgery for the Vitreoretinal Surgeon: Techniques, Tools, and Tips, Yannek Leiderman, MD, PhD Faculty: Maria H. Berrocal, MD ; Netan Choudhry, MD, FRCS(C) ; Jonathan L. Prenner, MD |

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| 2:30-4 Essex Mezzanine | ASRS Research and Therapeutics Committee Symposium: Clinical Trials “Unplugged”: Real, Practical Questions and Answers, Pravin Dugel, MD Faculty: David M. Brown, MD; Allen C. Ho, MD; David S. Boyer, MD; Michael A. Singer, MD; Donald J. D’Amico, MD; Baruch Kuppermann, MD, PhD; John Kitchens, MD; J. Michael Jumper, MD; Robert Avery, MD; Tarek Hassan, MD; William Mieler, MD; Anthony Capone, Jr., MD |
| 3:10-4:40 Grand Ballroom Lower Concourse | Challenge the Masters, Calvin Mein, MD Faculty: Virgilio Morales-Canton, MD; Gabriela Lopezcarasa Hernandez, MD |
| 3:30-4:20 Civic North Second Floor | Combined Phaco-Vitrectomy: Tips and Tricks, Yew San Ian Yeo, MBBS, FRCS Faculty: Doric Wong, MD; Laurence Lim, MBBS, FRCSEd; Boon K. Loh, MBBS, FRCSEd |
| 3:30-4:20 Dominion North Second Floor | Incorporating Compounding Into Your Retinal Practice Abdhisv Bhavsar, MD Faculty: Geoffrey G. Emerson, MD, PhD; Jacob M. Jones, MD, PhD |
| 3:30-4:20 Simcoe/Dufferin Second Floor | Scleral Buckling: A Forgotten Art! Gopal Lingam, MS, FRCS, Faculty: Caroline Chee, MBBS, FRCSEd, FRCOph; Malhar Soni, DO, MS, DNB, FRCS ; P. Mahesh Shanmugam, DO, FRCSEd, PhD, FAICO(VR) |
| 3:30-4:20 Civic South Second Floor | Uveitis Face-off: Controversies in Uveitis Management, Steven Yeh, MD Faculty: Thomas A. Albini, MD;Howard F. Fine, MD, MHSc; Farzin Forooghian, MD, MSc, FRCS(C); Sunil Srivastava, MD |
| 3:30-4:20 Dominion South Second Floor | Suprachoroidal Space Surgery, Ehab El-Rayes, MD, PhD Faculty: Stanislao Rizzo, MD; Yusuke Oshima, MD, PhD; Virgilio Morales-Canton, MD |
| 4:30-5:20 Simcoe/Dufferin Second Floor | Real-World Retina 101: How to Establish the Type of Career You Want (no CME), Netan Choudhry, MD, FRCS(C) Faculty: Vincent S. Hau, MD, PhD; Yannek I. Leiderman, MD, PhD; Amy Babiuch, MD; Jawad Qureshi, MD, MBA |
| 4:30-5:20 Civic South Second Floor | IOL Rescue: Intrasccleral Haptic Fixation, Somdudd Prasad, MS, FRCSEd, FRCOphth, FACS Faculty: Jonathan L. Prenner, MD; Jonathan A. Feistmann, MD; Malhar Soni, DO, MS, DNB, FRCS |
| 4:30-5:20 Essex Mezzanine | Newer Advances in Vitreo-Retina Surgeries: Tools and Techniques, S. Natarajan, MD Faculty: Manish Nagpal, MD, FRCS (UK); Yusuke Oshima, MD, PhD; Ehab N. El-Rayes, MD, PhD; Alay S. Banker, MD |
| 4:30-5:20 Dominion South Second Floor | Pneumatic Retinopexy: Pearls and Pitfalls Peter Kertes, MD, FRCS(C) Faculty: Emmanouil Mavrikakis, MD, PhD; Rajeev H Muni, MD, MSc, FRCS(C); Stephen M. Conti, MD; Varun Chaudhary, MD |
| 4:30-5:20 Dominion North Second Floor | A Genetic Approach to Inherited Retinal Dystrophies: Updates on Clinical Classification of Common Retinal Dystrophies, Genotyping, and Gene Therapy, Christine Kay, MD |
| 7-9 PM | Gala Reception & Dinner Board busses at 6:30 from Richmond Street |
| 9 PM-12 midnight | Umbo Lounge at Nightclub Muzik Immediately following dinner |

WEDNESDAY, AUGUST 28

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| 7:30-8:30 AM | Continental breakfast |
| 8-8:21 AM | Surgical Techniques III Moderators: Donald D’Amico, MD and Virgilio Morales-Canton, MD |
| 8 | Lutein: A New Dye for Chromovitrectomy, Mauricio Maia, MD, PhD |
| 8:04 | Vitrectomy for Macular Hole Retinal Detachment (MHRD) in High Myopia, Stanislao Rizzo, MD |
| 8:08 | 25-Gauge Vitrectomy for Macular Holes With and Without Retinal Detachment in Highly Myopic Eyes, Francesco Boscia, MD |
| 8:12 | Inverted Internal Limiting Membrane Flap Technique in Macular Hole Associated With Pathological Myopia, Jerzy Nawrocki, MD, PhD |
| 8:16 | Discussion |
| 8:21-9:46 AM | Imaging Moderators: Donald D’Amico, MD and Virgilio Morales-Canton, MD |
| 8:21 | Clinical Feasibility and Utility of Ultra Wide-field Indocyanine Green (ICG) Angiography, Szilard Kiss, MD |
| 8:29 | Adaptive Optics Scanning Laser Ophthalmoscope Fluorescein Angiography (AO SLO FA) and Motion Contrast Imaging of Retinal Microaneurysms, Richard Rosen, MD |
| 8:37 | Discussion |
| 8:43 | Diurnal Variation of Macular Choroidal Volume in Healthy Volunteers, Lihteh Wu, MD |
| 8:51 | Two-Year Macular Volume Change of the Retinal Pigment Epithelium and Drusen Complex (RPEDC) in Intermediate AMD by SD-OCT Semi-Automated Segmentation, Thomas Hwang, MD |
| 8:59 | Discussion |
| 9:05 | Correlation of Precise Area of Peripheral Non-perfusion With the Ischemic Index in Retinal Vein Occlusion, Michael Singer, MD |
| 9:09 | Lamina Suprachoroidea and Suprachoroidal Space Delineating the Outer Margin of the Choroid in Swept-Source OCT, Zofia Michalewska, MD, PhD |
| 9:13 | Intraoptic Nerve Head and Retina Silicone Oil Microspherules: OCT (Swept Source) and Adaptive Optics Reflectance Imaging, Yale Fisher, MD |
| 9:17 | Can Retro-illuminated Infrared Choroidal Imaging Distinguish Polypoidal Choroidal Vasculopathy From Neovascular Age-Related Macular Degeneration? Christina Leung, MD, FRCS(C) |
| 9:21 | Discussion |
| 9:28 | SD-OCT and Fundus Autofluorescence Findings of Acute Syphilitic Posterior Placoid Chorioretinopathy: An International Perspective, David Sarraf, MD |
| 9:32 | Evaluation of a Combination Non-mydratric Digital Fundus Camera With Spectral Domain OCT in Telemedicine for the Screening of Diabetic Retinopathy, John Wroblewski, MD |

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| 9:36 | Enhanced Depth Imaging Optical Coherence Tomography in Patients With Different Phase Behçet's Disease, Gursel Yilmaz, MD |
| 9:40 | Discussion |

9:46-10:10 AM Break

10:10-10:40 AM Global Trends in Retina

Moderators: **Lihteh Wu, MD** and **Francesco Boscia, MD**

Moderator:

Malhar Soni, DO, MS, DNB, FRCS

Europe & Asia: 'Retina Practice Trends'

Panelists:

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| Martin Charles, MD | South America |
| Ehab El Rayes, MD, PhD | Middle East & Africa |
| Kourous Rezaei, MD | North America: ASRS PAT Survey |
| Stanislao Rizzo, MD | Europe |
| P. Mahesh Shanmugam, DO, FRCSEd, PhD, FAICO(VR) | Asia: 'Retina Practice Trends' |

10:40-11:50 Diabetic Retinopathy II

Moderators: **Lihteh Wu, MD** and **Francesco Boscia, MD**

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| 10:40 | Why the 0.3 mg Dose of Ranibizumab Was Recommended for the Treatment of Diabetic Macular Edema, Donald D'Amico, MD |
| 10:48 | Residual Edema Evaluation With 0.5 mg and 2.0 mg Ranibizumab Formulations (REEF Study), Dilsher Dhoot, MD |
| 10:56 | Discussion |
| 11:02 | A Prospective Study of Anterior-Chamber Cytokine Levels and Their Association With Disease Severity in Diabetic Macular Edema, David Wong, MD, FRCS(C) |
| 11:10 | Anterior Chamber Cytokine Level Changes in Diabetic Macular Edema After Treatment With Intravitreal Ranibizumab, Rajeev Muni, MD, MSC, FRCS(C) |
| 11:18 | The Role of Macular Ischemia in Treatment-Naïve Patients With Diabetic Macular Edema Treated With Intravitreal Ranibizumab Only, Andreas Ebnetter, MD, PhD |
| 11:22 | A 12-Month, Masked, Randomized Controlled Study to Assess Efficacy of Dexamethasone Intravitreal Implant and Bevacizumab Compared With Bevacizumab Alone for Diabetic Macular Edema, Raj Maturi, MD |
| 11:26 | Discussion |
| 11:36 | Safety of Transfoveal Subthreshold Diode Micropulse Laser (TF SDM) for Intrafoveal Diabetic Macular Edema (IF DME) in Eyes With Good Visual Acuity, Jeffrey Luttrull, MD |
| 11:40 | Combination of Anti-angiogenic Therapy and Navigated Laser for the Treatment of Diabetic Macular Edema (DME): 12-Month Results, Igor Kozak, MD, PhD |
| 11:44 | Discussion |