



MEETING AT A GLANCE

AUGUST 9 — 13

EVENT LOCATIONS

General Sessions	Sapphire Ballroom <i>4th floor</i>
Retina Case Conference	Sapphire Ballroom
Continental Breakfasts & Breaks	Indigo Ballroom <i>2nd floor</i>
Lunches	Indigo Ballroom
ASRS International Member Reception	Sapphire Terrace <i>4th floor</i>
Welcome Reception	Bayfront Park
Race for the Retina	TBD
Scientific Posters	Indigo 204/Indigo West Foyer <i>2nd floor</i>
Exhibits	Indigo Ballroom <i>2nd floor</i>
Paper on Demand (POD) Kiosks	Sapphire Foyer <i>4th floor</i>
Film Festival Kiosks	Indigo Foyer <i>2nd floor</i>
Instructional Courses	Aqua 300 Aqua 310 Aqua 311 A/B Sapphire Ballroom Sapphire 400 A/B Sapphire 410 Sapphire 411 <i>} 3rd floor</i> <i>} 4th floor</i>
Gala Dinner	Sapphire Ballroom <i>4th floor</i>
Umbo Lounge	Fluxx
Speaker-Ready Room	Indigo 206 <i>2nd floor</i>
PAT Survey Posters	Sapphire Foyer <i>4th floor</i>
Women in Retina (WinR) Case Conference	Sapphire 411
WinR Lunch	Aqua C/D
Fellowship Directors' Lunch	Aqua C/D
Young Physicians Section Lunch	Aqua C/D
Fellows-in-Training Reception	Hard Rock Hotel Encore Room <i>2nd floor</i> Friday, August 8 5:30-8 PM

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 30.25 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 9

7-8 AM **Continental breakfast** *Sapphire Foyer*
7:30 Welcome, **Tarek Hassan, MD**

7:35-7:57 AM **Macular Holes 1**
Moderators: **Paul Tornambe, MD, and Robert Wendel, MD**
7:35 Multicenter Prospective Study of Macular Hole Surgery Outcomes, **Alex Hunyor, MD**
7:43 OCT-Based Positioning Regimen for Macular Hole Surgery, **Khurram Chaudhary, MD**
7:48 Nonposturing Macular Hole Surgery With Choice of Tamponade Guided by Hole Base Diameter, **Rubina Rahman, MBBS, FRCOphth, FRCS**
7:53 Discussion

7:57-8:09 AM **Imaging**
Moderators: **Paul Tornambe, MD, and Robert Wendel, MD**
7:57 Quantitative Analysis of Capillary Network Microstructure in Retinal Vasculopathies Using Adaptive Optics Scanning Light Ophthalmoscopy (AOSLO), **Richard Rosen, MD, DSc (Hon)**
8:02 High-Speed Adaptive-Optics Imaging of Macular Blood Flow: Vascular Analysis and Neurovascular Coupling, **Robert Symons, MBBS, PhD, FRANZCO**
8:07 Discussion

8:09-9:25 AM **Diabetic Retinopathy 1**
Moderators: **Paul Tornambe, MD, and Robert Wendel, MD**
8:09 Rapid Grading of Fundus Photos for Diabetic Retinopathy Using Crowdsourcing, **Christopher Brady, MD**
8:17 Pattern Scanning Laser vs Conventional Argon Type Laser in Treatment of Diabetic Retinopathy: A Prospective, Randomized, Controlled Trial, **Edmund Wong, MBBS, MMed, FRCS**
8:22 Real-World Vision Outcomes in DME Treated With Anti-VEGF Injections—An Analysis of EMR Data From a Large US Health System, **Nancy Holekamp, MD**
8:27 Prospective Randomised Trial of Intravitreal Bevacizumab vs Triamcinolone for Patients With Diabetic Macular Edema at the Time of Cataract Surgery (The DiMECAT Trial), **Salmaan Al-Qureshi, MBBS, FRANZCO**
8:35 Discussion
8:39 Intravitreal Aflibercept for Diabetic Macular Edema: Primary 12-Month Results From VISTA-DME and VIVID-DME and 24-Month Results From VISTA-DME, **Diana Do, MD**
8:44 Cross-Study Comparison Analysis of Anti-VEGF Treatments for Diabetic Macular Edema, **Dante Pieramici, MD**
8:49 Dexamethasone Intravitreal Implant in Diabetic Macular Edema Patients Refractory to Conventional Therapy, **David Dodwell, MD**
8:54 Efficacy and Safety Assessment of Dexamethasone Intravitreal Implant (0.7 mg) in Nonvitrectomized and Vitrectomized Diabetic Macular Edema Eyes, **Eric Tourville, MD**

8:59	Discussion
9:02	Anatomic Effects of Dexamethasone Intravitreal Implant in Diabetic Macular Edema: Pooled Analysis of Findings From 2 Randomized Phase 3 Studies, Srinivas Sadda, MD
9:07	Intraocular Pressure in Patients With Diabetic Macular Edema Treated With Dexamethasone Intravitreal Implant: MEAD Study Findings, Michael Singer, MD
9:12	Results From Multicenter Phase 3 Trials Suggest a Transition in Diabetic Macular Edema to a Chronic State Based on Differential Response to Therapy, Baruch Kuppermann, MD, PhD
9:17	Semaphorin 3A in Proliferative Diabetic Retinopathy, Flavio Rezende, MD, PhD
9:22	Discussion
9:25-9:50 AM	Break
9:50-10:45 AM	Retinal Vascular Disease
	Moderators: Mark Humayun, MD, PhD, and John Pollack, MD
9:50	Aflibercept for Radiation Retinopathy, Liliya Shevchenko, DO
9:58	Intravitreal Aflibercept Injection for Macular Edema Secondary to Branch Retinal Vein Occlusion: Results of the VIBRANT Study, Peter Campochiaro, MD
10:06	Effect of Intraretinal Edema on BCVA Gains in Patients With Retinal Vein Occlusion Receiving Alternate Ranibizumab Dosing Regimens in the SHORE Study, John Kitchens, MD
10:11	Discussion
10:13	The Anatomical and Functional Effects of Steroid Addition to Bevacizumab Monotherapy for Refractory Cystoid Macular Edema in Retinal Vein Occlusion, Ahmet Ozkok, MD
10:18	Predictive Value of Early Response to VEGF Inhibition in Retinal Vein Occlusions Defined by Optical Coherence Tomography and Fundus Autofluorescence, Hector Hernandez-Torres, MD
10:23	Early Identification of Macular Edema Recalcitrant to Intravitreal Anti-Vascular Endothelial Growth Factor and Efficacy of Intravitreal Dexamethasone Implant Treatment, Ankoor Shah, MD
10:28	Two or More Dexamethasone Intravitreal Implants Used Alone vs With Adjunctive Therapy in Patients With RVO-Associated Macular Edema, Antonio Capone, MD
10:33	Open-Label Squalamine Lactate Ophthalmic Solution for the Treatment of Macular Edema Secondary to Branch and Central Retinal Vein Occlusion, John Wroblewski, MD
10:38	SD-OCT Analysis of Deep Capillary Plexus Ischemia in Central Retinal Vein Occlusion, David Sarraf, MD
10:43	Discussion
10:45-11:15 AM	Hot-Topic Panel—Imaging: Current and Future Uses of Ever-Expanding Imaging Modalities
	Moderator: Ursula Schmidt-Ehrfurth, MD
	Panelists: Nadia Waheed, MD; Carmen Puliafito, MD, MBA; John Kitchens, MD; Srinivas Sadda, MD

11:15 AM-12:25 PM General Lunch & Fellowship Directors' Lunch

12:25-2:30 PM AMD Neovascular 1

Moderators: **Suber Huang, MD, MBA, and Robert Avery, MD**

- 12:25 The HOME Monitoring of the Eye (HOME) Study: Potential Implication of Findings on Management of Intermediate-AMD Patients, **David Boyer, MD**
- 12:30 The HOME Study: Lesion Characteristics of Early Choroidal Neovascularization, **Judy Kim, MD**
- 12:35 Discussion
- 12:37 Incidence of CNV in Asymptomatic Fellow Eyes of Patients With Neovascular AMD, **Abdhisht Bhavsar, MD**
- 12:45 Fellow Eye Comparisons for 7-Year Vision Outcomes in Ranibizumab-Treated AMD Subjects From ANCHOR, MARINA, and HORIZON (SEVEN-UP Study), **Robert Bhisitkul, MD, PhD**
- 12:53 Fellow Eye Comparison of Area of Geographic Atrophy (GA) in Patients Undergoing Long-Term Anti-VEGF Therapy for nvAMD in 1 Eye, **Michelle Carle, BSc, MD, FRCSC**
- 1:01 Long-Term Visual Outcomes in Patients Receiving Continuous, Fixed-Interval Dosing of Anti-VEGF Agents for Wet Age-Related Macular Degeneration, **Marc Peden, MD**
- 1:09 Long-Term Treatment Outcomes for Neovascular Age-Related Macular Degeneration Using a Treat-and-Extend Regimen, **Carl Regillo, MD, FACS**
- 1:17 Discussion
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1:20-1:50 PM Break

- 1:50 Influence of Vitreomacular Interface on Anti-VEGF Therapy Using Treat-and-Extend Treatment Protocol for Age-Related Macular Degeneration, **Samuel Houston, MD**
- 1:58 Vision-Threatening Lesions Developing During Longer-Term Follow-Up of Anti-VEGF Treatment of Neovascular Age-Related Macular Degeneration, **Susan Bressler, MD**
- 2:06 A Systematic Review (Meta-analysis) of PRN vs Treat-and-Extend Anti-VEGF Regimens for Neovascular AMD, **David Chin Yee, MD**
- 2:14 Retina Specialists Treating Age-Related Macular Degeneration Recommend Different Approaches for Patients Than They Would Choose for Themselves, **Jonathan Prenner, MD**
- 2:19 Surgical Management of Massive Hemorrhage After Anti-VEGF or Photodynamic Therapy (PDT) in Wet Age-Related Macular Degeneration, **Zhizhong Ma, MD**
- 2:24 Discussion
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2:30-3 PM Hot-Topic Panel—Wet AMD: The “How, When, and Which” of Treating Wet AMD

Moderator: **Jeffrey Heier, MD**

Panelists: **Daniel Martin, MD; Peter Kaiser, MD; Philip Rosenfeld, MD, PhD; Robert Avery, MD**

3-4:30 PM

Medical Case Conference

Moderators: Daniel Martin, MD, and David Callanan, MD

Presenters:

Netan Choudhry, MD, FRCS(C)

Rahul Khurana, MD

Ashleigh Levison, MD

Michael McClintock, MD

Ramanath Bhandari, MD

Shree Kurup, MD

Armando Sandoval, MD

Jerzy Nawrocki, MD, PhD

Adiel Smith, MD

Quan Nguyen, MD, MSc

Linda Lam, MD

Khushboo Agrawal, MD

Fred Chen, MBBS, PhD, FRANZCO

Rebecca Manning, MD

Christine Kay, MD

Dilsher Dhoot, MD

Carlos Quezada, MD

Colin Tan, MBBS, MMed (Ophth), FRCSEd (Ophth)

4:30-6 PM

Surgical Case Conference

Moderators: Carl Awh, MD, and Kourous Rezaei, MD

Panelists:

J. Michael Jumper, MD

Kazuaki Kadonosono, MD

Andre Maia, MD

Sengul Ozdek, MD

Carl Regillo, MD, FACS

Paulo Stanga, MD

Presenters:

Jay Chhablani, MD

Min Kim, MD

Kamal Kishore, MD, MBBS

Colin McCannel, MD

Tara McCannel, MD, PhD

S. Natarajan, MD

Jeffrey Olson, MD

Kirk Packo, MD, FACS

P. Mahesh Shanmugam, MBBS, DO, FRCSEd, PhD, FAICO

Shao-Onn Yong, BSc (Hons), MD, MMed, FRCSEd, FAMS

Leandro Zacharias, MD

7-10 PM

Welcome Reception



SUNDAY, AUGUST 10

6 AM 5K Run/Walk for the Retina

7:15-8:15 AM Continental breakfast

7:45-7:58 AM Trauma

Moderators: **David Williams, MD, MBA, and Antonio Capone, MD**

7:45 Traumatic Retinal Detachments in Operation Iraqi Freedom and Operation Enduring Freedom From 2002 Through 2010, **Marcus Colyer, MD**

7:50 Effects of Hazardous Ocular Laser Exposure in Commercial Airline Pilots: A Retrospective Chart Review, **Michael Fielden, MD, FRCS(C)**

7:55 Discussion

7:58-8:25 AM Hereditary & Genetic Disease

Moderators: **David Williams, MD, MBA, and Antonio Capone, MD**

7:58 Stellate Nonhereditary Idiopathic Foveomacular Retinoschisis (SNIFR), **Michael Ober, MD, FACS**

8:06 The Argus II Retinal Prosthesis: Twelve-Month Outcomes From a Single-Study Center, **Stanislao Rizzo, MD**

8:14 Visual Function After Implantation of the Subretinal Alpha IMS Device in 26 Blind Retinitis Pigmentosa Patients, **Caroline Chee, MBBS, FRCSEd, FRCOph**

8:22 Discussion

8:25-9:10 AM Macular Holes 2

Moderators: **David Williams, MD, MBA, and Antonio Capone, MD**

8:25 Anatomic and Functional Outcomes of Symptomatic Vitreofoveal Adhesion: A Pilot Study From the Pan-American Collaborative Retina Study Group, **Lihteh Wu, MD**

8:33 An International Investigation of Macular Hole Repair: The European Vitreoretinal Society Macular Hole Study, **Ron Adelman, MD, MPH**

8:41 Recurrent Macular Holes in the Era of Small-Gauge Vitrectomy: A Review of Incidence, Risk Factors, Surgical Techniques, and Outcomes, **Tarek Hassan, MD**

8:49 Cystoid Macular Edema After Cataract Surgery in Eyes With Previous Macular Hole Surgery, **Michael Lai, MD, PhD**

8:54 Discussion

8:58 A New Surgical Technique for Closure of Large Macular Holes, **Levent Karabas, MD**

9:03 Full-Thickness Macular Hole Secondary to High-Power, Handheld Blue Laser: Natural History and Management Outcomes, **Sulaiman Al Sulaiman, MD**

9:08 Discussion

9:10-10:30 AM Awards Ceremony

Moderators: **John Thompson, MD, and Tarek Hassan, MD**

9:10 Pyron Award Introduction, **Tarek Hassan, MD**

9:15 Pyron Award, **Andrew P. Schachar, MD**
Fourteen-Thousand Decisions and Counting—
Tales From an Editor

9:45	Founders Award Introduction, John Thompson, MD
9:50	Founders Award, Paul Sternberg, MD The Value of the Retina Specialist in an Era of Healthcare Reform
10:20	Young Physicians Section (YPS), Crystal Apple Award, Alexander Brucker, MD
10:25	ASRS Presidents' Retina Young Investigator Award

10:30-11:10 AM Break

11:10-11:55 AM AMD Non Neovascular

	Moderators: Alexander J. Brucker, MD, and Eugene de Juan, MD
11:10	Results of ESBA 1008, a Single-Chain Antibody Fragment, for the Treatment of Neovascular AMD, Pravin Dugel, MD
11:18	Combined CFH and Age-Related Maculopathy Susceptibility 2 (ARMS2) Risk Predicts Response to AMD Nutritional Prophylaxis: A New Analysis of AREDS Data, Carl Awh, MD
11:26	Discussion
11:29	Intravitreal Autologous Bone Marrow-Derived CD34+ Stem Cell Trial for Degenerative Macular Disease: Preliminary Report, Susanna Park, MD, PhD
11:34	Long-Term Results of Glatiramer Acetate Treatment for Dry AMD: Inner Plexiform Layer Changes, Microperimetry Results, and Rate of Choroidal Neovascularization, Gennady Landa, MD
11:39	Optical Coherence Tomography Measurement of Retinal Pigment Epithelium Drusen Complex Predicts 2-Year Progression of Age-Related Macular Degeneration, Sumit Sharma, MD
11:44	Pattern Dystrophy Primarily Involving the RPE Misdiagnosed as Age-Related Macular Degeneration, Neil Bressler, MD
11:52	Discussion

11:55 AM-12:25 PM Hot-Topic Panel—Dry AMD: Current and Future Management Strategies in the Treatment of Dry AMD

Moderator: Jason Slakter, MD

Panelists: Pravin Dugel, MD; Rajendra Apte, MD, PhD; David Brown, MD; Carl Regillo, MD

12:25-2 PM General Lunch & YPS Lunch

2-2:40 PM Surgical Techniques 1

	Moderators: Kirk Packo, MD, FACS, and Carl Regillo, MD, FACS
2	Real-Time Intraoperative OCT Utilizing a Microscope-Integrated Prototype With a Heads-Up Display Surgeon Feedback System: The DISCOVER Study, Justis Ehlers, MD
2:08	Bothersome Floaters Reduce Contrast Sensitivity, Which Is Normalized by Limited Vitrectomy With No Complications to Date and Minimal Cataract Formation, J. Sebag, MD, FACS, FRCophth, FARVO
2:16	Feasibility of Dynamic OCT and Dynamic Infrared Imaging, Edwin Ryan, MD
2:21	Small-Gauge Vitrectomy for Vitreous Floaters: Patient Characteristics and Review of Complications, James Osher, MD

2:26	Discussion
2:30	Subretinal Air Displacement of Submacular Hemorrhage: Initial Experience, Pouya Dayani, MD
2:35	Vitrectomy After Ocriplasmin for Vitreomacular Traction or Macular Hole (VAVOOM) Study, Sunir Garg, MD

2:40-3:10 PM Retinal Detachment

	Moderators: Kirk Packo, MD, FACS , and Carl Regillo, MD, FACS
2:40	Effect of Lens Status in the Surgical Success of 23-Gauge Primary Vitrectomy for the Management of Rhegmatogenous Retinal Detachment: PACORES Study, Mauricio Maia, MD, PhD
2:48	Discussion
2:51	Small-Incision Vitreoretinal Surgery Without Routine Scleral-Depressed Shaving of Vitreous Base for Rhegmatogenous Retinal Detachment, Homayoun Tabandeh, MD
2:56	Suprachoroidal Buckling for Retinal Detachment: Update, Ehab El-Rayes, MD, PhD
3:01	A New Single-Suture Removable Circumferential Scleral Buckle, Paul Tornambe, MD
3:06	Discussion

3:10-3:40 PM Hot-Topic Panel—Retinal Detachment Repair: Choosing the Best Technique

Moderator: **Yannek Leiderman, MD, PhD**
Panelists: **Audina Berrocal, MD**; **Maria Berrocal, MD**; **Virgilio Morales-Canton, MD**; **Sunir Garg, MD**

3:40-4:15 PM Break

4:15-6:10 PM Instructional Courses

4:15-5:10 PM <i>Aqua 310</i>	Uveitis, San Diego!! (It's Kind of a Big Deal), Steven Yeh, MD , and Thomas Albin, MD Faculty: Howard Fine, MD, MHSc ; Sunil Srivastava, MD ; Farzin Forooghian, MD, MSc, FRCSC ; Rahul Khurana, MD ; Robert Wang, MD ; Purnima Patel, MD
4:15-5:45 PM <i>Sapphire Ballroom</i>	Retinaws: When the Going Gets Tough, the Tough Get Going—Challenging Cases in Vitreoretinal Surgery, Kourous Rezaei, MD Faculty: Kirk Packo, MD, FACS ; Maria Berrocal, MD ; Francesco Boscia, MD ; Raymond Iezzi, MD, MS ; Marco Mura, MD ; Francisco Rodriguez, MD ; Homayoun Tabandeh, MD ; Sjakon Tahija, MD
4:15-5:45 PM <i>Sapphire 410</i>	Challenge the Masters Gabriela Lopezcarasa Hernandez, MD ; Virgilio Morales-Canton, MD ; Hugo Quiroz-Mercado, MD
4:15-5:05 PM <i>Aqua 300</i>	Real-World Retina 101: How to Establish the Type of Career You Want, Vincent Hau, MD, PhD Faculty: Netan Choudhry, MD, FRCS(C) (no CME)
4:15-5:05 PM <i>Sapphire 400 A/B</i>	Retinal History—Learning About the Giants Upon Whose Shoulders We Stand, Kirk Packo, MD, FACS (no CME)
5:15-5:40 PM <i>Aqua 310</i>	Role of Vitrectomy in Resolution of Medically Nonresponsive CME in Uveitis, Henry Kaplan, MD Faculty: Shlomit Schaal, MD, PhD , and Tongalp Tezel, MD

5:15-6:05 PM

Sapphire 400 A/B

Duke Surgery Rounds: Seven Tips You Must Know!,

Paul Hahn, MD, PhD

Faculty: **Yannek Leiderman, MD, PhD; Cynthia Toth, MD; Lejla Vajzovic, MD; Ehab El-Rayes, MD, PhD; Allen Ho, MD; John Kitchens, MD**

5:15-6:05 PM

Aqua 300

Pneumatic Retinopexy: Pearls and Pitfalls,

Peter Kertes, MD, FRCS(C)

Faculty: **Emmanouil Mavrikakis, MD, PhD;**

Rajeev Muni, MD, MSC, FRCSC; Varun Chaudhary, MD

5:45-6:10 PM

Aqua 310

Traditional Steroid-Sparing Therapy for Uveitis,

Sam Dahr, MD

6:30-7:30 PM

Scientific Posters and Exhibit Hall Reception

7-10 PM

2014 Speed Networking Evening (no CME)

Scientific Posters Groupings

- **Group 1 (Saturday and Sunday):**

Complications of Anterior Segment Surgery, Imaging/Digital/Angiography, Retinal Vascular Disease, AMD (neovascular and non-neovascular), Trauma, Hereditary Retinal Disease & Genetics, and Macular Holes

- **Group 2 (Monday and Tuesday):**

Pharmacology, Socioeconomics, Diabetic Retinopathy, Macular Pucker/Epiretinal Membrane, Surgical Techniques & Maneuvers, Ocular Oncology, Pediatric Retina/ROP, Inflammatory & Infectious Diseases, and Instrumentation & Devices



MONDAY, AUGUST 11

6:30-7:30 AM **Continental breakfast**

7-10:30 AM **Retina Around the World**

7-7:50 **Medical Retina**

Moderators: **Stanislao Rizzo, MD** (EURETINA), and **Masahito Ohji, MD** (Asia-Pacific Vitreo-retina Society)

Panel: **Paisan Ruamviboonsuk, MD** (Thai Retina Society); **Wai-Ching Lam, MD, FRCS(C)** (Canadian Retina Society); **Lihteh Wu, MD** (Asociacion Oftalmologica de Costa Rica); **Alex Hunyor, MD** (Australian and New Zealand Society of Retina Specialists)

Debaters: **Paisan Ruamviboonsuk, MD** (Asia-Pacific Vitreo-retina Society), and **Baruch Kuppermann, MD, PhD** (EURETINA)

Presenters: **Suleyman Kaynak, MD** (EURETINA); **Jose Roca, MD** (Pan-American Association of Ophthalmology); **Baruch Kuppermann, MD, PhD** (Club Jules Gonin); **Abel Ramirez-Estudillo, MD** (EuroLam)

7:50-8:35 **Surgical Retina**

Moderators: **Maria Berrocal, MD** (Pan-American Retina & Vitreous Society), and **Jerzy Nawrocki, MD** (European Vitreoretinal Society)

Panel: **Mohammad Riazi, MD** (Iranian Vitreoretinal Society); **Andre Gomes, MD, PhD** (Brazilian Society of Retina and Vitreous); **Stanislao Rizzo, MD** (Gruppo Italiano di Chirurgia Vitreoretinica); **Martin Flores-Aguilar, MD** (Asociacion Mexicana de Retina)

Debaters: **Ron Adelman, MD, MPH** (European Vitreoretinal Society), and **Lihteh Wu, MD** (Pan-American Retina & Vitreous Society)

Presenters: **Fred Chen, MD, MBBS, PhD, FRANZCO** (Asia-Pacific Vitreo-retina Society); **Virgilio Morales-Canton, MD** (Pan-American Retina & Vitreous Society); **Jerzy Nawrocki, MD** (European Vitreoretinal Society); **J. Fernando Arevalo, MD, FACS** (Arab African Society of Retina Specialists)

8:35-9 **Break**

9-9:40 **Global Trends**

Moderators: **Kourous Rezaei, MD** (ASRS, International Affairs), and **Thomas Stone, MD** (ASRS, PAT Survey)

Panel: **Malhar Soni, MD, DO, MS, DNB, FRCS** (United Kingdom); **Akito Hirakata, MD** (Japanese Retina and Vitreous Society); **Suqin Yu, MD** (Chinese Ocular Fundus Society); **Mangat Dogra, MD, MBBS, MS** (Vitreo Retina Society of India); **Ehab El-Rayes, MD, PhD** (Arab African Society of Retina Specialists); **J. Fernando Arevalo, MD, FACS** (Pan-American Association of Ophthalmology)

9:40-10:30	Case Presentations
	Moderators: Hugo Quiroz-Mercado, MD (Club Jules Gonin), and Rene Cano, MD , (EuroLam)
	Panel: Hiroko Terasaki, MD, PhD , (Japan); Suleyman Kaynak, MD (Turkish Ophthalmology Society); Guillermo Iribarren, MD (Argentine Society of Retina and Vitreous); Hassan Mortada, MD (Egyptian Vitreoretinal Society)
	Presenters: Francisco Rodriguez, MD (Colombian Association of Retina and Vitreous); Jose Roca, MD (Sociedad Peruana de Oftalmologia); Pei-Chang Wu, MD, PhD (Taiwan Retina Society); Koen van Overdam, MD (Dutch Vitreoretinal Club); Ursula Schmidt-Erfurth, MD (Austrian Ophthalmological Society); Remzi Avci, MD (Turkish Ophthalmology Society); Edward Averbukh, MD (Israeli Vitreoretinal Society); Gemmy Chui Ming Cheung, MD (Singapore Society of Ophthalmology, Retina Section); Abdullah Alkharashi, MD, FRCS (Saudi Arabia Ophthalmological Society); Mangat Dogra, MD (Vitreo Retina Society of India)
10:30-11:35 AM	Pharmacology
	Moderators: Lawrence Singerman, MD, FACS , and Marcos Avila, MD
10:30	Comparative and Quantitative Evaluation of the Effect of Mineralocorticoid Receptor Blockage With Eplerenone in the Treatment of Central Serous Chorioretinopathy, Tongalp Tezel, MD
10:38	Mineralocorticoid Antagonist in the Treatment of Central Serous Chorioretinopathy, Alan Wagner, MD, FACS
10:43	Oral Eplerenone for the Management of Chronic Central Serous Chorioretinopathy: A Retrospective Analysis, Adiel Smith, MD
10:48	Discussion
10:51	Intraocular Pharmacokinetic Profile of Aflibercept in Patients Treated With Intravitreal Aflibercept for Neovascular Age-Related Macular Degeneration, Clement Chan, MD, FACS
10:56	Changes in Hydroxychloroquine Retinopathy Following Drug Cessation: With Expanded SD-OCT Findings to Assist in the Early Detection of Retinopathy, David Lally, MD
11:04	Discussion
11:07	Long-Term Visual Outcomes After Intravitreal Ocriplasmin for the Treatment of Symptomatic Vitreomacular Adhesion, Daniel Roth, MD
11:15	Ocriclasmin for Vitreomacular Adhesion: Aftermarket Experience, Eric Nudleman, MD, PhD
11:20	Decreased Reflectivity in the External Limiting Membrane, Ellipsoid, and Cone Outer Segment Tips on SD-OCT Following Intravitreal Ocriclasmin (IVO), Carlos Quezada, MD
11:28	Postmarketing Surveillance Survey of Adverse Events of Ocriclasmin, Sumit Shah, MD, FACS
11:33	Discussion
11:35 AM-1 PM	General Lunch & WinR Lunch

1-1:50 PM	Socioeconomic Panel Moderator: George Williams, MD Panelists: David Parke, MD; Trexler Topping, MD; David Williams, MD, MBA; John Thompson, MD; William Rich, MD
1:50-2:10 PM	Socioeconomic Symposium Moderator: George Williams, MD
1:50	Retina Practice Knowledge Base: A New ASRS Practice Metrics Initiative, John Thompson, MD
1:55	Update on the ASRS Fight for Physician Choice, Tarek Hassan, MD
2	Quality Measures Within a Group Retina Practice—Cultural Shift and Clinical Outcomes, Brian Joondeph, MD, MPS, FACS
2:05	Discussion
2:10-3:30 PM	Diabetic Retinopathy 2 Moderators: John Thompson, MD, and Timothy Murray, MD, MBA
2:10	Novel Micropump Drug Delivery System, Mark Humayun, MD, PhD
2:18	High-Dose Ranibizumab for Diabetic Macular Edema: Month-24 Outcomes of the READ-3 Study (Ranibizumab for Edema of the Macula in Diabetes: Protocol 3), Quan Nguyen, MD, MSc
2:26	One-Year Results From a Prospective Study of Ranibizumab for DME: Monthly vs Treat-and-Extend, David Eichenbaum, MD
2:34	Intravitreal Ranibizumab for Diabetic Macular Edema With Prompt vs Deferred Laser Treatment: Five-Year Randomized Trial Results, John Wells, MD, FACS
2:42	Discussion
2:46	Ranibizumab PRN for Diabetic Macular Edema: Long-Term Open-Label Extension of the Phase 3 RIDE and RISE Trials, David Brown, MD
2:51	Open-Label Extension of the Phase 3 RIDE and RISE Trials—Characteristics of DME Patients Associated With Treatment Frequency, Michael Elman, MD
2:56	Effect of Ranibizumab for DME in Eyes With Vitrectomy Prior to Anti-Vascular Endothelial Growth Factor Treatment, Andrew Antoszyk, MD
3:01	Discussion
3:03	Is a Systemic Effect of Intravitreal Anti-VEGF Agents Observable in the Fellow Eyes of Patients Treated for Diabetic Macular Edema (DME)?, Robert Avery, MD
3:11	TIE2 Pathway in DME: A Phase 1b/2a Open-Label, Multiple-Ascending Dose Study to Assess the Safety and Pilot Efficacy of Subcutaneous Doses of AKB-9778, Victor Gonzalez, MD
3:19	The Medical Economics of Telemedicine Diabetic Retinopathy Assessment Programs, Ingrid Zimmer-Galler, MD
3:27	Discussion

**3:30-4 PM Hot-Topic Panel—Diabetic Macular Edema:
Current Management in the Era of Ever-Increasing
Treatment Options**

Moderator: Tarek Hassan, MD

Panelists: Neil Bressler, MD; David Boyer, MD;
John Pollack, MD

4-4:30 PM Break

4:30-6:30 PM Instructional Courses

4:30-5 ICG Multimodality Imaging for the Diagnosis and
Sapphire 400 A/B Management of Exudative Age-Related Macular
Degeneration—A Pharmacoeconomic Study,
Mark Nelson, MD, MBA

4:30-5 Combined Phaco-Vitrectomy: Tips to Enhance Surgical
Aqua 310 Success and Outcomes, **Edmund Wong, MBBS,
MMed, FRCS**
Faculty: **Gavin Tan, MBBS, MMED, FRCSEd (Ophth)**

4:30-5:05 Changing Strategies in Diabetic Vitreous Surgery,
Aqua 311 A/B **Subhendu Boral, MBBS, MD (AIIMS), DNB (Ophth)**
Faculty: **Arnab Das, MD; Manish Nagpal, MD, FRCS
(UK); Yusuke Oshima, MD, PhD**

4:30-5:05 Scleral Buckling—A Forgotten Art!, **Gopal Lingam,
Sapphire 411 MS, FRCS**
Faculty: **Malhar Soni, DO, MS, DNB, FRCS;
Caroline Chee, MBBS, FRCSEd, FRCOph;
P. Mahesh Shanmugam, MBBS, DO, FRCSEd,
PhD, FAICO**

4:30-5:20 A Genetic Approach to Inherited Retinal Dystrophies:
Aqua 300 Clinical Classification of Common Retinal Dystrophies,
Genotyping, and Gene Therapy, **Christine Kay, MD**
Faculty: **Benjamin Bakall, MD, PhD, and
Karmen Trzupek, MS, CGC**

4:30-6 ASRS Research and Development Committee
Sapphire Ballroom Symposium—Clinical Trials “Unplugged”: Real, Practical
Questions and Answers, **Pravin Dugel, MD**
Faculty: **Carl Awh, MD; David Boyer, MD; David Brown,
MD; Antonio Capone, MD; Tarek Hassan, MD;
Jeffrey Heier, MD; J. Michael Jumper, MD; Peter Kaiser,
MD; Baruch Kuppermann, MD, PhD; Daniel Martin, MD;
William Mieler, MD; Timothy Murray, MD, MBA;
John Pollack, MD; Jonathan Prenner, MD;
Carl Regillo, MD, FACS; Philip Rosenfeld, MD, PhD;
Michael Singer, MD; John Thompson, MD**

5:10-5:45 ‘First 20 Dates’ With Internal Limiting Membrane
Sapphire 411 (ILM)—Tips on Advanced Macular Surgery Techniques:
Tell It Like It Is, **Malhar Soni, DO, MS, DNB, FRCS**
Faculty: **Remzi Avci, MD; Carl Claes, MD;
Gopal Lingam, MS, FRCS; Jerzy Nawrocki, MD, PhD;
Yusuke Oshima, MD, PhD**

5:10-5:45 Newer Advances in Vitreoretinal Surgeries: Tools and
Aqua 311 A/B Techniques, **S. Natarajan, MD**
Faculty: **Yusuke Oshima, MD, PhD; Manish Nagpal,
MD, FRCS (UK); Alay Banker, MD; Stanislao Rizzo, MD;
Ehab El-Rayes, MD, PhD**

5:15-6:15 <i>Aqua 310</i>	Anterior Segment Microsurgery for the Vitreoretinal Surgeon: Techniques, Tools, and Tips, Yannek Leiderman, MD, PhD Faculty: Maria Berrocal, MD; Netan Choudhry, MD, FRCS(C); Sunir Garg, MD; Jonathan Prenner, MD; J. Fernando Arevalo, MD, FACS
5:15-6:15 <i>Sapphire 400 A/B</i>	Update on Pediatric and Choroidal Imaging, Jay Chhablani, MD, and Maria Martinez-Castellanos, MD Faculty: Lihteh Wu, MD; Hideki Koizumi, MD, PhD; Igor Kozak, MD, PhD; Gerardo Garcia-Aguirre, MD; Andree Henaine-Berra, MD
5:30-5:55 <i>Aqua 300</i>	Endophthalmitis: Diagnosis and Management—Beyond the EVS, Pramod Bhende, MBBS, MS Faculty: P. Mahesh Shanmugam, MBBS, DO, FRCSEd, PhD, FAICO; Alay Banker, MD; Hemanth Murthy, MBBS, MD
5:50-6:25 <i>Aqua 311 A/B</i>	Vitreoretinal Surgical Techniques and Instrumentation Video Panel, Ehab El-Rayes, MD, PhD Faculty: Tarek Hassan, MD; Carl Claes, MD; Kourous Rezaei, MD; Yusuke Oshima, MD, PhD; Stanislao Rizzo, MD
5:50-6:25 <i>Sapphire 411</i>	Surgical Management of Complicated Retinal Detachments, Alay Banker, MD Faculty: Jay Chhablani, MD; Manish Nagpal, MD, FRCS (UK); Shobhit Chawla, MBBS, MS, FMRF; S. Natarajan, MD; Yusuke Oshima, MD, PhD
6:05-6:30 <i>Aqua 300</i>	Managing an Outbreak of Endophthalmitis—All You Need to Know, Abdhisv Bhavsar, MD Faculty: Malhar Soni, DO, MS, DNB, FRCS; Taraprasad Das, MD, FRCS; William Mieler, MD; Kent Small, MD

6:30-7:30	Scientific Posters and Exhibit Hall Reception
7:30-8:30	ASRS International Member Reception
7:30-9	Women in Retina (WinR) Case Conference (no CME)



TUESDAY, AUGUST 12

7-8 AM **Continental breakfast**

7:30-7:55 AM **Business Meeting (no CME)**

7:55-8 AM **PAT Survey Presentation, Thomas Stone, MD**

8-8:25 AM **Macular Pucker—Epiretinal Membrane**

Moderators: **Lihteh Wu, MD, and Carl Awh, MD**

8 Intravitreal Injection of Expansile Perfluoropropane (C₃F₈) for Vitreomacular Traction in Both Treatment-Refractory and Treatment-Naïve Patients, **Dilsher Dhoot, MD**

8:08 Pars Plana Vitrectomy Epiretinal Membrane Peeling Surgery in Eyes With 20/50 or Better Visual Acuity, **Brian Lehpamer, MD**

8:13 Choroidal Thickness Measured With Swept-Source OCT Before and After Vitrectomy With ILM Peeling for Idiopathic Epiretinal Membranes, **Jerzy Nawrocki, MD, PhD**

8:18 Twenty-Five-Gauge Vitrectomy for Myopic Foveoschisis, **Francesco Boscia, MD**

8:23 Discussion

8:25-9:05 AM **Surgical Techniques 2**

Moderators: **Lihteh Wu, MD, and Carl Awh, MD**

8:25 Severe Choroidal Hemorrhage Outcomes and the Effect of Early Intervention Facilitated by Tissue Plasminogen Activator, **Colin McCannel, MD**

8:30 Pars Plana Vitrectomy (PPV) With Juxtapapillary Laser Photocoagulation (JLP) vs PPV Without JLP for the Treatment of Optic Disc Pit Maculopathy, **J. Fernando Arevalo, MD, FACS**

8:35 Next-Generation Intrasurgical Imaging With a Swept-Source Microscope-Integrated Optical Coherence Tomography Device, **Paul Hahn, MD, PhD**

8:40 Discussion

8:44 Sutureless Scleral Fixation of Intraocular Lenses: Outcomes of 2 Approaches, **Ashkan Abbey, MD**

8:49 Sutureless Scleral Tunnel Intraocular Lens Fixation in the Pediatric Population, **Mark Walsh, MD, PhD**

8:54 Restoration of Accommodation: A Refractive Surgical Procedure for the Vitreoretinal Surgeon, **Paul Beer, MD**

9:02 Discussion

9:05-9:35 AM **Hot-Topic Panel—Surgical Complications: How to Manage Mishaps and Misfortune in the Operating Room**

Moderator: **Timothy Murray, MD, MBA**

Panelists: **Carl Awh, MD; Carl Claes, MD; Kirk Packo, MD, FACS; Kimberly Drenser, MD**

9:35-10:05 AM **Break**

10:05-10:35 AM	Hot-Topic Panel—Lasers: Indications and Treatment Protocols in the Injection Era Moderator: Anat Loewenstein, MD Panelists: Charles Wykoff, MD, PhD; Susan Bressler, MD; Francesco Boscia, MD; Baruch Kuppermann, MD, PhD
10:35-11:03 AM	Ocular Oncology Moderators: Kimberly Drenser, MD, and Audina Berrocal, MD, FACS
10:35	Ranibizumab in Combination With Proton Beam Irradiation for Choroidal Melanoma, Ivana Kim, MD
10:43	Single Institution Experience With Fine-Needle Aspiration Biopsy (FNAB) and Gene Expression Profile (GEP) of Posterior Uveal Melanomas, Zelia Correa, MD, PhD
10:51	Microincisional Vitrectomy (MIVS) in the Primary Management of Uveal Malignant Melanoma: Application of Direct Tumor Ablation and Molecular Genomics, Timothy Murray, MD, MBA
10:59	Discussion
11:03-11:50 AM	Pediatric Retina Moderators: Kimberly Drenser, MD, and Audina Berrocal, MD, FACS
11:03	Demonstration of Anatomical Development of the Human Macula Within the First 5 Years of Life Using Bioptigen Optical Coherence Tomography (OCT), Talal Alabduljalil, MD, FRCSC
11:11	Structural and Vascular Developmental Changes of the Fovea in Patients With Spontaneously Regressed Retinopathy of Prematurity Assessed by Fluorescein Angiography and Spectral-Domain OCT, Maria Martinez-Castellanos, MD
11:19	Intraoperative Optical Coherence Tomography Assessment of the Retina in Vitreous Surgery for Pediatric Epiretinal Membranes, Cynthia Toth, MD
11:27	Discussion
11:31	Vitreoretinal Interface Disorders Assessed by SD-OCT in Patients With Retinopathy of Prematurity, Gabriela Lopezcarasa Hernandez, MD
11:39	Experience and Treatment Patterns of Retinopathy of Prematurity at a Tertiary Medical Center Between 2002 and 2012, Audina Berrocal, MD, FACS
11:47	Discussion
11:50 AM-1:25 PM	General Lunch
1:25-3:58 PM	AMD Neovascular 2 Moderator: Pravin Dugel, MD, and Philip Ferrone, MD
1:25	The Pattern of Anti-VEGF Use in Neovascular Age-Related Macular Degeneration and Diabetic Macular Edema: A US Claims Analysis, Szilárd Kiss, MD
1:33	Systematic Review of Safety Across the Phase 2 and 3 Clinical Trials of Intravitreal Aflibercept Injection, James Major, MD, PhD, FACS
1:41	Discussion
1:46	Long-Term Follow-Up of Intravitreal Aflibercept Injection for Neovascular Age-Related Macular Degeneration After the VIEW 1 Study, Michael Tolentino, MD

1:51	The Effect of Baseline Retinal Pigment Epithelial Elevation (RPEE) Size and Intraretinal Fluid (IRF) Status on Visual Acuity Outcomes in the VIEW 1 and VIEW 2 Studies of Neovascular AMD, Glenn Jaffe, MD
1:56	Intravitreal Aflibercept Decreases the Volume of Vascularized PEDs Better Than Frequent Retreatment With Intravitreal Bevacizumab or Ranibizumab, Zohar Yehoshua, MD, MHA
2:01	Frequency and Management of Intraocular Inflammation Following Aflibercept Injection, Howard Fine, MD, MHSc
2:06	Discussion
2:09	Ranibizumab Treatment in Neovascular Age-Related Macular Degeneration With Pigment Epithelial Detachment: Subgroup Analysis of the HARBOR Study, Rahul Khurana, MD
2:14	Evaluation of Intraocular Inflammation and Pain Post Intravitreal Injection of Ranibizumab or Aflibercept: The PLANET Study, Arshad Khanani, MD
2:19	Genetic Risk Evaluation in Wet-AMD Treatment Response (G.R.E.A.T Study) 6-Month Final Study Results, Varun Chaudhary, MD
2:27	Outcomes in Patients With Visual Gain or Any Loss 1 Month After Combination Therapy of Anti-PDGF-B Plus Ranibizumab Compared to Ranibizumab Monotherapy, Peter Kaiser, MD
2:32	Interim Results From a Phase 2 Study of Squalamine Lactate Ophthalmic Solution 0.2% in the Treatment of Neovascular Age-Related Macular Degeneration, Jason Slakter, MD
2:40	Discussion
2:44	Tachyphylaxis/Tolerance During Anti-VEGF Treatment of Neovascular Age-Related Macular Degeneration, Sengul Ozdek, MD
2:49	Central Choroidal Thickness Is Significantly Diminished Following Anti-VEGF Treatment for Neovascular Age-Related Macular Degeneration, Alan Franklin, MD, PhD
2:54	Laser Resensitization of Medically Unresponsive Neovascular Age-Related Macular Degeneration (NAMD): Efficacy and Implications, Jeffrey Luttrull, MD
3:02	Abicipar Pegol (Anti-VEGF DARPIn) Phase 2 Study in Patients With Neovascular Age-Related Macular Degeneration, Raj Maturi, MD
3:10	Gene Therapy for Exudative AMD: One-Year Results of Phase 1 Clinical Trial With rAAV.sFlt-1, Jeffrey Heier, MD
3:15	Surgical Repair of RPE Tear Associated With Age-Related Macular Degeneration/CNVM, Calvin Grant, MD
3:20	Mesenchymal Stem Cells (MSC) Immunomodulate Pathologic Ocular Neovascularization, Suber Huang, MD, MBA
3:25	Discussion
3:29	Angiographic Factors Affecting Long-Term Visual Prognosis for Polypoidal Choroidal Vasculopathy, Colin Tan, MBBS, MMed (Ophth), FRCSEd (Ophth)
3:34	Comparison of Monthly Treatment of 2.0 mg Ranibizumab vs 1.0 mg Ranibizumab for Polypoidal Choroidal Vasculopathy, Raymond Wee, MD
3:39	Location of PCV Vessels by ICG-Correlated OCT and Response to High-Dose Ranibizumab, Gregg Kokame, MD, MMM

3:44	Intravitreal Aflibercept for Presumed Ocular Histoplasmosis Syndrome (POHS)-Related Choroidal Neovascularization (CNV), Daniel Miller, MD, PhD
3:49	Discussion
3:53	The MYRROR Study: Efficacy and Safety of Intravitreal Aflibercept for Choroidal Neovascularization Secondary to Pathological Myopia, Gemmy Chui Ming Cheung, FRCOphth

3:58-4:30 PM Break

4:30-5:15 PM	Instrumentation & Devices
	Moderators: Jonathan Prenner, MD, and Stanislao Rizzo, MD
4:30	A Nano-engineered Light-Sensitive Retinal Prosthesis, William Freeman, MD
4:38	High-Speed Analysis of Intraoperative Vitreous Dynamics in Human Cadaver Eyes Using a Modified Zirm Technique, Kirk Packo, MD, FACS
4:46	An Injectable System for Scleral Fixation of a Dislocated IOL, Jeffrey Olson, MD
4:54	The Prospective Intraoperative and Perioperative Ophthalmic Imaging With Optical Coherence Tomography (PIONEER) Study: Two-Year Results, Sunil Srivastava, MD
5:02	Prospective Evaluation of Visual Acuity Agreement Between Standard ETDRS Chart and a Handheld Equivalent in Eyes With Retinal Disease, Ehsan Rahimy, MD
5:10	Discussion

7 PM-12:30 AM Gala Dinner and Umbo Lounge

WEDNESDAY, AUGUST 13

7:30-8:30 AM Continental breakfast

8 AM-12 PM	Didactic Lectures and Hands-On Learning Centers
8-9:20 AM	Didactic Lectures
	<i>Sapphire Ballroom</i>
8	Vitrectomy/Visualization Systems, Philip Ferrone, MD
8:15	Selecting an Office Retina Laser, Rishi Singh, MD
8:35	Imaging of the Retina: 2014 and Beyond, Szilárd Kiss, MD
9:05	How to Select an EMR, Jeremy Wolfe, MD, MS

9:20-9:45 AM Break

9:45 AM-12 PM	Hands-On Learning Centers (no CME)
	<i>Exhibit Hall</i>
	• Vitrectomy/Visualization Systems • Lasers • Imaging • EHR