



2019 PROGRAM

THURSDAY

CONTINENTAL BREAKFAST* | 7:00 am – 7:30 am

7:00 am – 7:30 am Continental Breakfast in the Grand Ballroom

RWC UNPLUGGED* | 7:30 am – 12:00 pm

Program Chairs: Pravin U. Dugel, MD; Peter K. Kaiser, MD; Baruch D. Kuppermann, MD, PhD

- 7:30 am – 7:35 am Welcome & Introduction
Program Chairs: Pravin U. Dugel, MD; Peter K. Kaiser, MD; Baruch D. Kuppermann, MD, PhD
- 7:35 am – 7:50 am Keynote Lecture: Building a Platform Gene Therapy Company: The Last 10 Years
Ken Mills
- 7:50 am – 7:55 am Questions & Answers
- 7:56 am – 8:19 am Panel Discussion: Next Generation Anti-VEGF
Moderator: Pravin U. Dugel, MD
Panelists: Yan Cheng, MD, PhD; Tarek S. Hassan, MD; Ken Mills; Victor Perloth, MD
Carl Romano, PhD; Andrew Stewart
- 8:20 am – 8:43 am Panel Discussion: New Pathways in Retinal Diseases: AMD
Moderator: Peter K. Kaiser, MD
Panelists: David R. Chow, MD, FRCSC; D. Scott Edwards, PhD; Andrea Gibson, PhD;
William Greene, MD; Charles P. Semba, MD FACC, FACR
- 8:43 am – 8:48 am Future Management of Diabetic Macular Edema
Michael S. Ip, MD
- 8:48 am – 9:08 am Panel Discussion: New Pathways in Retinal Diseases: Diabetes
Moderator: Baruch D. Kuppermann, MD, PhD
Panelists: Remko Bakker; Jean Feyen, PhD; Theresa G. H. Heah, MD, MBA; Stephen
Hoffman, MD, PhD; Michael S. Ip, MD; Hampar Karageozian, MSc, MBA; Brian Levy,
OD; Riad Sherif, MD
- 9:08 am – 9:23 am Keynote Lecture: Treatment vs. Cures: An FDA Perspective
Wiley Chambers, MD
- 9:23 am – 9:28 am Questions & Answers
- 9:28 am – 9:38 am Break
- 9:38 am – 9:43 am Update on Future Treatments for Dry AMD
Sophie J. Bakri, MD
- 9:43 am – 10:03 am Panel Discussion: Dry AMD Treatment
Moderator: Peter K. Kaiser, MD
Panelists: Sophie Bakri, MD; Jay S. Duker, MD; Reenie McCarthy; Ramiro Ribeiro, MD,
PhD

10:04 am – 10:27 am	Panel Discussion: Gene and Cell Therapy Moderator: Pravin U. Dugel, MD Panelists: Eddy Anglade, MD; Richard L. Beckman, MD; Paul Bresge; Wiley Chambers, MD; Mehdi Gasmi, PhD; Amir H. Kashani, MD, PhD; Ram Palanki, PharmD; Keith Westby, MBA
10:28 am – 10:43 am	Keynote Lecture: Investor Perspective Eliot Lazar, MD, MS, MBA
10:43 am – 10:48 am	Questions & Answers
10:49 am – 10:54 am	Emerging Therapies in Uveitis Sumit Sharma, MD
10:54 am – 11:09 am	Panel Discussion: New Therapies in Uveitis Moderator: Baruch D. Kuppermann, MD, PhD Panelists: Francine Behar-Cohen, MD, PhD; Nancy Lurker; Wendy Naimark, PhD; Baldo Scassellati Sforzolini, MD, PhD, MBA; Sumit Sharma, MD; Daniel White
11:10 am – 11:28 am	Panel Discussion: Changing Landscape of the Retina Practice and How it will Affect Drugs Moderator: Pravin U. Dugel, MD Panelists: Robert L. Avery, MD; Dixon Davis, MBA, MHA; Eliot Lazar, MD, MS, MBA; Scott C. Upton
11:29 am – 11:44 am	Keynote Lecture: Large Pharma Perspective Joseph C. Papa
11:44 am – 11:50 am	Questions & Answers
11:50 am	RWC Unplugged Adjourns

*This portion of Retina World Congress 2019 is not approved for *AMA PRA Category 1 Credit(s)*[™].

INDUSTRY EXPERT THEATER LUNCH** | 12:00 pm – 1:00 pm

12:00 pm – 1:00 pm	Fluid and Retina: Where Do We Draw the Line? A Presentation of Different Perspectives <i>Sponsored by Novartis</i> **This portion of the meeting is not approved for <i>AMA PRA Category 1 Credit(s)</i> [™] and is neither provided by nor endorsed by Retina World Congress 2019 or its accredited provider.
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GENERAL SESSIONS | 1:00 pm – 5:30 pm

Welcome

1:00 pm – 1:15 pm	Welcome Rishi P. Singh, MD
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Ocular Oncology

Session Chairs: Rubens N. Belfort, MD, PhD; J. William Harbour, MD

1:15 pm – 1:18 pm	Pretest Rubens N. Belfort, MD, PhD
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- 1:18 pm – 1:25 pm Management of High-risk Choroidal Melanoma
Carol L. Shields, MD
- 1:25 pm – 1:32 pm Invisible Tumors or Giant Iris Melanocyte
Jerry A. Shields, MD
- 1:32 pm – 1:39 pm Using Imaging to Help Diagnose Ocular Tumors
Rubens N. Belfort, MD, PhD
- 1:39 pm – 1:46 pm Anti-VEGF Therapy for Radiation Retinopathy
Prithvi Mruthyunjaya, MD, MHS
- 1:46 pm – 1:53 pm Choroidal Nevus Risk Factors: Weighted Relevance Based on Molecular Prognostication
J. William Harbour, MD
- 1:53 pm – 2:00 pm The Expanding Use of Ophthalmic Artery Chemosurgery
Timothy G. Murray, MD, MBA, FACS
- 2:00 pm – 2:07 pm Future Therapeutics for Ocular Oncology
Arun D. Singh, MD
- 2:07 pm – 2:10 pm Posttest
Arun D. Singh, MD
- 2:10 pm – 2:30 pm Panel Discussion: Surgical and Medical Management of Ocular Oncology Case
Moderator: Arun D. Singh, MD
Panelists: Prithvi Mruthyunjaya, MD, MHS; Timothy G. Murray, MD, MBA, FACS;
Eduardo B. Rodrigues, MD; Carol L. Shields, MD; Jerry A. Shields, MD

Macular Surgery

Session Chairs: André V. Gomes, MD, PhD; Tarek S. Hassan, MD; Virgilio Morales-Canton, MD

- 2:35 pm – 2:38 pm Pretest
Tarek S. Hassan, MD
- 2:38 pm – 2:45 pm Ectopic Inner Foveal Layers in ERMs, Surgical Results
Andrea Govetto, MD, PhD
- 2:45 pm – 2:52 pm Submacular Irrigation for Large Macular Holes
Mario J. Saravia, MD, PhD
- 2:52 pm – 2:59 pm Development of a Deep Learning System for Digitally Enhanced Internal Limiting Membrane Peeling
Kazuaki Kadonosono, MD, PhD
- 2:59 pm – 3:06 pm Approach to Lamellar Macular Hole Repair
Yuki Morizane, MD, PhD
- 3:06 pm – 3:13 pm Inverted ILM Flap Techniques and Indications
Jerzy Nawrocki, MD, PhD
- 3:13 pm – 3:20 pm Observational Management of Idiopathic ERMs in Patients with Good Initial VA: One Year Follow-up

Harry W. Flynn Jr., MD

3:20 pm – 3:27 pm Autologous Tissue Transplantation for Macular Holes
Tamer H. Mahmoud, MD, PhD

3:27 pm – 3:34 pm Surgical Management of AMD in Anti-VEGF Era
Cesare Mariotti, MD

3:34 pm – 3:41 pm Optic Pits
Leandro C. Zacharias, MD, PhD

3:41 pm – 3:48 pm Managing Myopic Foveoschisis: Surgery or Observation
Yusuke Oshima, MD, PhD

Abstract Winners

3:48 pm – 3:51 pm Comparison of Clinical Outcomes Between ‘Heads-up’ 3D Viewing System and Conventional Microscope in Macular Hole Surgeries
Nasiq Hasan, MD

3:51 pm – 3:54 pm Disorganization of Retinal Inner Layers as a Biomarker for Idiopathic Epiretinal Membrane After Macular Surgery: The DREAM Study
Dinah Zur, MD

3:54 pm – 3:57 pm Autologous Transplantation of the Internal Limiting Membrane Flaps for Myopic Macular Hole
Ashraf Shaarawy, MD

3:57 pm – 4:20 pm Panel Discussion: Macular Surgery
Moderator: Gaurav K. Shah, MD
Panelists: Ernesto Bali, MD; Francesco Boscia, MD; Niels Crama, MD, FEBO; Francesco Faraldi, MD; Faisal Fayyad, MD; Nelson A. Sabrosa, MD, PhD; Mahmoud M. Soliman, MD

Medical Retina: Retinal Vein Occlusion

Session Chairs: Arturo Alezandrini, MD, PhD; Baruch D. Kuppermann, MD, PhD; Jorge C. P. Rocha, MD, PhD

4:25 pm – 4:28 pm Pretest
Arturo Alezandrini, MD, PhD

4:28 pm – 4:35 pm Effect of Anti-VEGF and Steroids Treatment on Retinal Non-perfusion
Jorge C.P. Rocha, MD, PhD

4:35 pm – 4:42 pm SCORE-2 Results and Implications to Clinical Practice
Michael S. Ip, MD

4:42 pm – 4:49 pm Addressing RVO with Corticosteroids
Baruch D. Kuppermann, MD, PhD

Abstract Winners

4:49 pm – 4:52 pm Intravitreal Anti-VEGF Injections Followed by Transitory Central Retinal Artery Occlusion; Specific Points Analyzing a Rare Adverse Event: A Case Series Study
Nadyr A. Damasceno, MD, PhD

- 4:52 pm – 4:55 pm Use of Optical Coherence Tomography Angiography Capillary Perfusion Density Measurements to Detect and Grade Macular Ischemia
Amy Babiuch, MD
- 4:55 pm – 4:58 pm Effect of Funding Source on Reporting Bias in Studies of Intravitreal Anti-vascular Endothelial Growth Factor Therapy for Retinal Vein Occlusion
Michael Venincasa, MD
- 4:58 pm – 5:01 pm Increased Inner Retinal Layer Reflectivity in Eyes with Acute CRVO Correlates with Worse Visual Outcomes at 12 Months
Yasha Modi, MD

Panel Discussion

- 5:06 pm – 5:30 pm Medical Retina: Retinal Vein Occlusion
Moderator: Marcio B. Nehemy, MD, PhD
Panelists: Joaquin Bafalluy, MD; Andres Bastien, MD; Magno A. Ferreira, MD, MSc, MBA, PhD; Sharon Fekrat, MD, FACS; Francisco J. Rodriguez, MD; Marcelo Zas, MD, PhD

WELCOME RECEPTION* | 6:00 pm – 7:30 pm

- 6:00 pm – 7:30 pm Join us the first night of the meeting as we welcome more than 1,000 faculty and attendees to Retina World Congress 2019. Take this opportunity to network one-on-one with colleagues while everyone enjoys light appetizers and drinks.
*This portion of the meeting is not approved for *AMA PRA Category 1 Credit(s)*[™].

FRIDAY

GENERAL SESSIONS | 8:00 am – 11:45 am

Welcome

- 8:00 am – 8:10 am Announcements and Pretest
Rishi P. Singh, MD

Surgical Technology

Session Chairs: David R. Chow, MD, FRCSC; Rishi P. Singh, MD

- 8:10 am – 8:17 am Hybrid Wide-angle Viewing and Endoscopic Vitrectomy Using a 3D Visualization System
Mihori Kita, MD, PhD
- 8:17 am – 8:24 am Science of 3D Visualization Systems
David R. Chow, MD, FRCSC
- 8:24 am – 8:31 am Advancements in Visualization in VR Surgery
Khalid Sabti, MD, FRCSC

Abstract Winner

- 8:31 am – 8:34 am Innovative Solutions for HD/4k Surgical Video Recording Using Commercial Mirror-less Cameras
Raju Sampangi, MD

Panel Discussion

- 8:35 am – 8:55 am Instrumentation in the OR
Moderator: David R. Chow, MD, FRCSC

Panelists: Carl C. Awh, MD; Faisal Fayyad, MD; Stratos Gotzaridis, MD; John W. Kitchens, MD

Retinal Detachment Surgery

Session Chairs: Ehab N. El Rayes, MD, PhD; Kourous A. Rezaei, MD; Stanislao Rizzo, MD

- 9:00 am – 9:07 am Temporal Keratoprosthesis and Vitrectomy
Andres Bastien, MD
- 9:07 am – 9:14 am Chandelier Illumination for Scleral Buckling
Nur Acar Gocgil, MD, Prof, FEBO
- 9:14 am – 9:21 am Managing Macular Folds in Infants
Ehab N. El Rayes, MD, PhD
- 9:21 am – 9:28 am Repairing Retinal Detachments: Do We Really Need Gas?
Ernesto Bali, MD
- 9:28 am – 9:35 am Retinal Detachment from Macular Hole
Marcio B. Nehemy, MD, PhD
- 9:35 am – 9:42 am ILM Peeling During Retinal Detachment Surgery: Is It Necessary?
Ezequiel Rosendi, MD

Abstract Winners

- 9:42 am – 9:45 am Seasonal Variation in the Occurrence of Rhegmatogenous Retinal Detachment in Korea: A Three-year Nationwide Study of the Korean Population
Sung Soo Kim, MD
- 9:45 am – 9:48 am Reabsorption of Acquired Vitelliform Lesions Due to Vitreomacular Traction Syndrome
Gürsel Yilmaz, MD, FACS, FEBO
- 9:48 am – 9:51 am "Cell Therapy" Clinics for Retinal Conditions in the USA: Assessing Direct-to-Consumer Marketing
Rajinder Nirwan, MD

Refreshment Break

- 9:51 am – 10:25 am Refreshments in the Exhibit Hall

Imaging

Session Chairs: Peter K. Kaiser, MD; Taiji Sakamoto, MD, PhD; Lihteh Wu, MD

- 10:25 am – 10:30 am Pretest
Peter K. Kaiser, MD
- 10:30 am – 10:37 am Optical Coherence Tomography Angiography in Pediatric Patients
Lejla Vajzovic, MD
- 10:37 am – 10:44 am Angiogenic Biomarkers in Neovascular AMD
Luiz H. Lima, MD
- 10:44 am – 10:51 am Quantitative Comparison of UWF Imaging Devices
Ajay E. Kuriyan, MD, MS

- 10:51 am – 10:58 am How Optical Coherence Tomography Angiography Changes My Practice
Miho Nozaki, MD, PhD
- 10:58 am – 11:05 am Agreement Between OCT Angiography and FA/ICG in Neovascular AMD
Nadia K. Waheed, MD, MPH
- 11:05 am – 11:12 am OCT Angiography in CNV: Are There Parameters That Predict Anti-VEGF Treatment Frequency?
Amani A. Fawzi, MD
- 11:12 am – 11:19 am Multimodal Imaging in Polypoidal Choroidovasculopathy
Seung-Young Yu, MD, PhD
- 11:19 am – 11:26 am Comparison of Ultra-widefield Imaging Devices
Claudia P. Acosta, MD

Panel Discussion

- 11:30 am – 11:50 am Imaging
Moderator: Jay S. Duker, MD
Panelists: Claudia P. Acosta, MD; Gemmy Cheung, MD; Andre Romano, MD; Richard B. Rosen, MD, ScD (Hon), FACS, FASRS, CRA; Nadia K. Waheed, MD, MPH

INDUSTRY EXPERT THEATER LUNCH** | 12:00 pm – 1:00 pm

- 12:00 pm – 1:00 pm Diabetic Retinopathy Management – A Multidisciplinary Discussion
Sponsored by Genentech
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GENERAL SESSIONS | 1:15 pm – 6:30 pm

Imaging (*Continued*)

Session Chairs: Peter K. Kaiser, MD; Taiji Sakamoto, MD, PhD; Lihteh Wu, MD

- 1:15 pm – 1:18 pm Pretest
Peter K. Kaiser, MD
- 1:18 pm – 1:25 pm Adaptive Optics Imaging in a Retina Practice
Mina M. Chung, MD
- 1:25 pm – 1:32 pm Ultra-widefield Imaging and Diabetic Retinopathy
Justis P. Ehlers, MD
- 1:32 pm – 1:39 pm Ultra-widefield OCTA and Retinal Vein Occlusion
Kasra A. Rezaei, MD
- 1:39 pm – 1:46 pm Classification and Guidelines for Wide Field Imaging: Recommendations from the International Wide Field Imaging Study Group
Netan Choudhry, MD, FRCSC, DABO
- 1:46 pm – 1:53 pm Multimodal Retinal Imaging for Alzheimer's Disease
Sharon Fekrat, MD, FACS
- 1:53 pm – 2:00 pm Mac Tel 2: A Multimodal Imaging Journey

Lihteh Wu, MD

2:00 pm – 2:07 pm Artificial Intelligence and Choroidal Imaging
Taiji Sakamoto, MD, PhD

Abstract Winners

2:07 pm – 2:10 pm Higher Order OCT Analysis for Features Associated with Functional Outcomes in the VISTA-DME Study
Atsuro Uchida, MD

2:10 pm – 2:13 pm Optical Coherence Tomography Angiography Findings in Chronic Central Serous Chorioretinopathy after Photodynamic Therapy
Ruwan Amila Silva, MD

2:13 pm – 2:15 pm Posttest
Peter K. Kaiser, MD

Age-related Macular Degeneration

Session Chairs: André V. Gomes, MD, PhD; Rishi P. Singh, MD

2:20 pm – 2:23 pm Pretest
Rishi P. Singh, MD

2:23 pm – 2:30 pm AMD, Genetic Testing and AREDS Supplements
Carl C. Awh, MD

2:30 pm – 2:37 pm Prevention of Exudative AMD in High Risk Eyes
Sumit P. Shah, MD, FACS

2:37 pm – 2:44 pm Geographic Atrophy Associated with AMD, Incidence and Factors Influencing Growth Rate
Nancy M. Holekamp, MD

2:44 pm – 2:51 pm C3 Complement Inhibition for the Reduction of Growth in Geographic Atrophy
Nathan C. Steinle, MD

2:51 pm – 2:58 pm Brimonidine for Geographic Atrophy Secondary to Age-related Macular Degeneration
Raj K. Maturi, MD

2:58 pm – 3:05 pm Gene Therapy for Dry AMD
Elias Reichel, MD

3:05 pm – 3:12 pm Emerging Therapies on Dry AMD
Paolo Lanzetta, MD

3:12 pm – 3:19 pm Evaluating the Social Costs of Blindness from AMD
Andrew A. Moshfeghi, MD, MBA

3:19 pm – 3:26 pm Real-world Anti-VEGF Treatment for AMD
Patricio G. Schlottmann, MD

3:26 pm – 3:30 pm Posttest
Rishi P. Singh, MD

Refreshment Break

3:30 pm – 3:50 pm Refreshments in the Exhibit Hall

Age-related Macular Degeneration (Continued)

Session Chairs: André V. Gomes, MD, PhD; Rishi P. Singh, MD

3:50 pm – 3:52 pm Pretest

Rishi P. Singh, MD

3:52 pm – 3:59 pm

Angiopoietin Pathway in Neovascular Diseases

Peter K. Kaiser, MD

3:59 pm – 4:06 pm

Anti-VEGF/Anti-Angiopoietin-2 Bispecific Antibody RG7716 in Exudative AMD

Carl D. Regillo, MD, FACS

4:06 pm – 4:13 pm

Treat and Extend Regimens for Exudative AMD

Alexandre A. Ventura, MD, PhD

4:13 pm – 4:20 pm

A Comparison of Brolucizumab and Aflibercept in Neovascular Age-related Macular Degeneration: Important Subanalyses

Pravin U. Dugel, MD

4:20 pm – 4:27 pm

Association Between Early Vision-related Quality of Life Outcomes and Anatomic Dryness Response in Neovascular Age-related Macular Degeneration (nAMD)

David A. Eichenbaum, MD

4:27 pm – 4:34 pm

Emerging Therapies for Exudative AMD

David S. Boyer, MD

Abstract Winners

4:38 pm – 4:41 pm

Brolucizumab for Neovascular AMD: The 2-year HAWK and HARRIER Results

Peter K. Kaiser, MD

4:41 pm – 4:44 pm

Evaluating Efficacy of Autologous Bone Marrow Derived Stem Cells in the Treatment of Dry Age-related Macular Degeneration

Harpreet Narde, MD

4:44 pm – 4:47 pm

Macular Atrophy in Anti-VEGF Treated Neo-vascular AMD: Incidence and Risk Factors

João Pedro Marques, MD, Msc

4:47 pm – 4:50 pm

PDT Associated with Anti-VEGF in Refractory Cases of Subretinal Membranes Only Treated with Anti-VEGF

Jorge Mitre, MD

4:50 pm – 4:53 pm

Efficacy and Safety of Brimonidine DDS for Geographic Atrophy Secondary to Age-related Macular Degeneration: BEACON Phase 2b Clinical Results

Sunir J. Garg, MD, FACS

Panel Discussion

4:55 pm – 5:15 pm

Age-related Macular Degeneration

Moderator: Sunir J. Garg, MD, FACS

Panelists: Panelists: Remzi Avci, MD Paolo Lanzetta, MD; Luiz H. Lima, MD; Carl D. Regillo, MD, FACS; Elias Reichel, MD; Richard B. Rosen, MD, ScD (Hon), FACS, FASRS, CRA

Diabetic Vitrectomy

Session Chairs: Sundaram Natarajan, MD; Kourous A. Rezaei, MD

- 5:19 pm – 5:22 pm Pretest
Kourous A. Rezaei, MD
- 5:22 pm – 5:29 pm Intravitreal Anti-VEGF as an Adjunct to Vitrectomy Surgery for Diabetic Tractional Retinal Detachment
J. Fernando Arevalo, MD, FACS
- 5:29 pm – 5:36 pm Role of Patient Compliance in the Development of Sight Threatening Diabetic Retinopathy
Shwu-Jiuan Sheu, MD
- 5:36 pm – 5:43 pm All-probe Vitrectomy Dissection Techniques for Diabetic Tractional Retinal Detachments: Lift and Shave
Maria H. Berrocal, MD
- 5:43 pm – 5:50 pm 3D Surgery for Diabetic Surgery
Marco Mura, MD
- 5:50 pm – 5:57 pm Combined Maneuvers in Proliferative Diabetic Surgery
André V. Gomes, MD, PhD
- 5:57 pm – 6:04 pm Steroid Drops after Vitreoretinal Surgery: Is It Time to go Drop-less?
John S. Pollack, MD

Abstract Winners

- 6:04 pm – 6:07 pm Early Vitrectomy in Proliferative Diabetic Retinopathy without High Risk
Eva Dewi, MD
- 6:07 pm – 6:10 pm The Role of SD-OCT Defining the Posterior Vitreous Status: A Comparison with Ocular Ultrasonography
Bernardete Pessoa, MD
- 6:10 pm – 6:12pm Posttest
Kourous A. Rezaei, MD

Panel Discussion

- 6:15 pm – 6:30 pm Diabetic Vitrectomy
Moderator: J. Fernando Arevalo, MD, FACS
Panelists: Remzi Avci, MD; Niels Crama, MD, FEBO; Ehab N. El Rayes, MD, PhD; Francesco Faraldi, MD; John S. Pollack, MD; Stratos Gotzaridis, MD; Marcelo Zas, MD, PhD

SATURDAY

CME BREAKFAST PROGRAM | 7:00 am – 8:00 am

7:00 am – 8:00 am **Diabetic Macular Edema: The Multimodal Movement Toward Real-Life Management**
Supported by Allergan, Inc.

GENERAL SESSIONS | 8:00 am – 11:45 am

Welcome

8:00 am – 8:10 am Announcements and Pretest
Tarek S. Hassan, MD

Trauma and Proliferative Vitreoretinopathy Surgery

Session Chairs: Tarek S. Hassan, MD; Virgilio Morales-Canton, MD

8:10 am – 8:17 am Re-examination of the Role of Relaxing Retinotomy in PVR Detachment Repair
Grazia Pertile, MD

8:17 am – 8:24 am Severe Trauma Cases: Pearls and Tricks
Carl C. Claes, MD

8:24 am – 8:31 am Ocular Trauma: New Updates
Sundaram Natarajan, MD

8:31 am – 8:38 am Pharmaceutical Management of PVR
Demetrios G. Vavvas, MD, PhD

8:38 am – 8:45 am Is Scleral Buckling Necessary?
Gaurav K. Shah, MD

8:45 am – 8:52 am Management of Subretinal Perfluorocarbon Liquid
Leonardo Bruno de Oliveira, MD

8:52 am – 8:59 am Use Perfluorocarbon as a Tamponade Agent
Stanislao Rizzo, MD

8:59 am – 9:06 am Treatment of Persistent Hypotony in PVR Eyes
Tarek S. Hassan, MD

9:06 am – 9:13 am Strategy for the Primary PVR Surgery
Motohiro Kamei, MD, PhD

Abstract Winners

9:13 am – 9:16 am Comparative Assessment of Conventional Microscope-integrated Intraoperative OCT to Digitally-enabled
Natalia Figueiredo, MD

9:16 am – 9:19 am Plasma Rich in Growth Factors (PRGF) for Recurrent Macular Hole Closure: A Pilot Study
Juan Arias, MD

9:19 am – 9:22 am 24 Eyes Presumed Cluster Noninfectious Endophthalmitis After One Day Intravitreal Injections Bevacizumab Off Label. Piura-Peru. 2017.
Victor Alva, MD

Panel Discussion

9:25 am – 9:45 am Trauma and Proliferative Vitreoretinopathy Surgery
Moderator: Nur Acar Gocgil, MD, Prof, FEBO

Panelists: Ernesto Bali, MD; Carl C. Claes, MD; Ehab N. El Rayes, MD, PhD; Matteo Forlini, MD; Cesare Mariotti, MD; Sundaram Natarajan, MD; Stanislao Rizzo, MD; Ashraf Shaarawy, MD

Refreshment Break

9:45 am – 10:05 am Refreshments in the Exhibit Hall

Medical Retina: Diabetic Macular Edema and Diabetic Retinopathy

Session Chairs: Ehab N. El Rayes, MD, PhD; Baruch D. Kuppermann, MD, PhD

- 10:05 am – 10:08 am Pretest
Ehab N. El Rayes, MD, PhD
- 10:08 am – 10:15 am Dual Approach for DME: Findings from Faricimab
Dilsher S. Dhoot, MD
- 10:15 am – 10:22 am Identifying Eyes that will Develop Vision Threatening Retinopathy
Patricia Udaondo, MD
- 10:22 am – 10:29 am Long-term Outcomes of Anti-VEGF Therapy for Proliferative Diabetic Retinopathy: Year 5 Protocol S Outcomes
Jeffrey G. Gross, MD
- 10:29 am – 10:36 am The Value of Treating Non-proliferative Diabetic Retinopathy
W. Lloyd Clark, MD
- 10:36 am – 10:43 am Suprachoroidal Drug Delivery for Diabetic Macular Edema
Mark R. Barakat, MD
- 10:43 am – 10:50 am Matching Diabetic Choroidopathy to Retinopathy: A Classification System of OCT Findings
Lilianne G. Duarte, MD, PgD
- 10:50 am – 10:57 am Integrin Antagonism for DME
Hugo Quiroz-Mercado, MD
- 10:57 am – 11:04 am Is There a Place for Lasers in the Management of Retinal Vascular Disease in the Anti-VEGF Era?
Victor H. Gonzalez, MD

Abstract Winners

- 11:04 am – 11:07 am Reduction in Diabetic Retinal Neurodegeneration following 0.2µg/day FAc Implant: New Evidence from the USER Study
Alexander Eaton, MD
- 11:07 am – 11:10 am Comparative Evaluation Of ASOCT, UBM and IOP after PRP by PASCAL or Conventional Laser in DR
Suman Iata, MD
- 11:10 am – 11:13 am Suprachoroidal CLS-TA Plus Aflibercept Compared to Aflibercept Monotherapy for Diabetic Macular Edema: Results of the Randomized Phase 2 TYBEE Trial
Arshad Khanani, MD

- 11:13 am – 11:16 am Abnormality of Foveal Avascular Zone Correlates with the Peripheral Retinal Ischemia in Diabetic Retinopathy
Aoi Kominami, MD
- 11:16 am – 11:19 am Multicenter International Study: Biomarkers and Predictors for Functional and Anatomic Outcomes for Small Gauge Pars Plana Vitrectomy and Peeling of the Internal Limiting Membrane in Naïve Diabetic Macular Edema: The VITAL Study
Matias Iglicki, MD

Panel Discussion

- 11:25 am – 11:45 am **Medical Retina: Diabetic Macular Edema and Diabetic Retinopathy**
Moderator: Peter K. Kaiser, MD
Panelists: Jerzy Nawrocki, MD, PhD; Acacio Muralha Neto, MD, MBA; Nelson A. Sabrosa, MD, PhD; Vaibhav Sethi, DNB, FLVPEI, FICO; Kiyoshi Suzuma, MD; Lihteh Wu, MD

CME LUNCH PROGRAM | 12:00 pm – 1:00 pm

- 12:00 pm – 1:00 pm **Improving the Burden of Treatment for Age-related Macular Degeneration through Advances in Delivery**
Supported by Genentech, Inc.

GENERAL SESSIONS | 1:15 pm – 5:30 pm

Controversies and Debates

Session Chairs: David R. Chow, MD, FRCSC; Pravin U. Dugel, MD; Jorge C.P. Rocha, MD, PhD; Lihteh Wu, MD

- 1:15 pm – 1:21 pm Is Digitally Assisted Visualization Surgery Necessary for Surgery?
Pro: Flavio A. Rezende, MD, PhD
Con: Raja Narayanan, MD, MBA
- 1:21 pm – 1:26 pm Questions & Answers
- 1:26 pm – 1:32 pm Are Limit Internal Membrane Flaps Necessary for Macular Hole Surgery?
Pro: Anthanasios Nikolakopoulos, MD
Con: John W. Kitchens, MD
- 1:32 pm – 1:37 pm Questions & Answers
- 1:37 pm – 1:43 pm Is Intraoperative OCT Ready for Prime Time?
Pro: Susanne Binder, MD
Con: Magno A. Ferreira, MD, MSc, MBA, PhD
- 1:43 pm – 1:48 pm Questions & Answers
- 1:48 pm – 1:54 pm Is Scleral Buckling Still a Useful Technique?
Pro: Marcos P. Ávila, MD
Con: Fabio Patelli, MD
- 1:54 pm – 1:59 pm Questions & Answers
- 1:59 pm – 2:05 pm What is the First Line of Treatment for Macular Center Involved DME?
Steroids: Laurent Kodjikian, MD, PhD, FEBO
Anti-VEGF: Marcelo Zas, MD, PhD
- 2:05 pm – 2:10 pm Questions & Answers

- 2:10 pm – 2:16 pm Should Vitrectomy be the Primary Therapy for Endophthalmitis?
Pro: Ferenc Kuhn, MD, PhD
Con: William E. Smiddy, MD
- 2:16 pm – 2:21 pm Questions & Answers
- 2:21 pm – 2:30 pm What is the First Line of Treatment for Chronic CSCR?
PDT: Francesco Boscia, MD
Mineralocorticoid-receptor Antagonists: Francine Behar-Cohen, MD, PhD
Micropulse Laser: Jose A. Roca, MD
- 2:30 pm – 2:35 pm Questions & Answers

Refreshment Break

- 2:35 pm – 2:55 pm Refreshments in the Exhibit Hall

Controversies and Debates (Continued)

Session Chairs: David R. Chow, MD, FRCSC; Pravin U. Dugel, MD; Jorge C.P. Rocha, MD, PhD; Lihteh Wu, MD

- 2:55 pm – 3:01 pm What is the First Line of Treatment for PCV?
PDT plus Anti-VEGF: Gregg T. Kokame, MD
Anti-VEGF Monotherapy: Leandro C. Zacharias, MD, PhD
- 3:01 pm – 3:06 pm Questions & Answers
- 3:06 pm – 3:12 pm Is Telemedicine for Ophthalmology Evaluations Ready for Prime Time?
Pro: Alexandre Taleb, MD, PhD
Con: Francisco J. Rodriguez, MD
- 3:12 pm – 3:17 pm Questions & Answers
- 3:17 pm – 3:23 pm Is Pneumatic Retinopexy Useful?
Pro: Rajeev H. Muni, MD, MSc, FRCSC
Con: Michael Kapusta, MD
- 3:23 pm – 3:28 pm Questions & Answers

RETINAWS

Session Chairs: Arturo Alezzandrini, MD, PhD; Kourous A. Rezaei, MD; Taiji Sakamoto, MD, PhD

- 3:30 pm – 4:30 pm Join us for a video-oriented surgical course where we'll discuss complex vitreoretinal surgery, rare surgical cases and unique surgical techniques. Faculty from around the world will present on how they perform certain tasks and describe why they execute them the way do.
Panelists: Nur Acar Gocgil, MD, Prof, FEBO; Audina M. Berrocal, MD; Susanne Binder, MD; Francesco Boscia, MD; Carl C. Claes, MD; Jorge A. Fortun, MD; Motohiro Kamei, MD, PhD; Kiyoshi Suzuma, MD

Early Career Session

Session Moderators: Jorge A. Fortun, MD; Mitul C. Mehta, MD, MS; Hemang K. Pandya, MD

- 4:35 pm – 4:45 pm Social Media for Collaboration: Young Retina Forum Survey Results
Hemang K. Pandya, MD
- 4:45 pm – 4:52 pm How to Gain an Audience Outside of the Podium

Jayanth Sridhar, MD

4:52 pm – 4:59 pm Getting Started with Clinical Research in Private Practice
Carl J. Danzig, MD

4:59 pm – 5:09 pm Case Presentation
Yasha Modi, MD

5:09 pm – 5:19 pm Case Presentation
Eduardo Uchiyama, MD

5:19 pm – 5:30 pm International Collaboration
Carl Danzig, MD; Jorge A. Fortun, MD; Mitul C. Mehta, MD, MS; Raja Narayanan, MD, MBA; Hemang K. Pandya, MD; Yasha Modi, MD

SOCIAL RECEPTION* | 7:00 pm – 10:00 pm

7:00 pm – 10:00 pm Social Reception at LauderAle Brewery

**This portion of the meeting is not approved for AMA PRA Category 1 Credit(s)[™].*

SUNDAY

GENERAL SESSIONS | 8:00 am – 11:45 am

Welcome

8:00 am – 8:05 am Announcements and Pretest
R.V. Paul Chan, MD, MSc, FACS

Pediatrics, Pediatric Surgery, Gene Therapy and Upcoming Technologies

Session Chairs: R.V. Paul Chan, MD, MSc, FACS; Darius M. Moshfeghi, MD; Hiroko Terasaki, MD, PhD

8:05 am – 8:12 am New Therapy Approaches for Retinopathy of Prematurity
Darius M. Moshfeghi, MD

8:12 am – 8:19 am Artificial Intelligence for ROP Screening
R.V. Paul Chan, MD, MSc, FACS

8:19 am – 8:26 am Subretinal Chip Implant for Retinal Degeneration
Helmut Sachs, MD

8:26 am – 8:33 am What is the Correct Anti-VEGF Dose for ROP?
Maria A. Martinez-Castellanos, MD

8:33 am – 8:40 am Surgical Management of Sticklers Syndrome
Antonio Ciardella, MD

8:40 am – 8:47 am PHPV
Hiroko Terasaki, MD, PhD

8:47 am – 8:54 am Gene Therapy for RPE65 Mutated Retinal Degenerations
Audina M. Berrocal, MD

8:54 am – 9:01 am The Surgical Management of Familial Exudative Vitreoretinopathy
Sengul Ozdek, MD, FEBO

9:01 am – 9:08 am Early Experience with AAV8-RPGR Gene Therapy for X-linked Retinitis Pigmentosa
Byron L. Lam, MD

Panel Discussion

9:15 am – 9:35 am Surgical ROP/Pediatric Case Analysis
Moderator: R.V. Paul Chan, MD, MSc, FACS
Panelists: Antonio Ciardella, MD; Hiroko Terasaki, MD, PhD; Maria A. Martinez-Castellanos, MD; Sengul Ozdek, MD, FEBO; Darius M. Moshfeghi, MD

Uveitis

Session Chairs: Thomas A. Albin, MD; Sofia N. Androudi, MD, PhD

9:40 am – 9:43 am Pretest
Sofia N. Androudi, MD, PhD

9:43 am – 9:50 am Serpiginous and Serpiginous-like Choroiditis
Tariq Reza Ali, MD

9:50 am – 9:57 am Using OCTA to Monitor Uveitis
Sumit Sharma, MD

9:57 am – 10:04 am Update on Systemic Treatments for Non-infectious Uveitis
Pauline T. Merrill, MD

10:04 am – 10:11 am MUST Study Outcomes and Impact on Clinical Practice
Thomas A. Albin, MD

10:11 am – 10:18 am The Risk of Increased Intraocular Pressure with Uveitis Therapies
Michael A. Singer, MD

10:18 am – 10:25 am New Local Therapies for Uveitis
Dilraj S. Grewal, MD

Abstract Winners

10:25 am – 10:28 am Suprachoroidal administration of CLS-TA: Clinical Trial Results Demonstrating Rapid and Sustained Resolution of Macular Edema in Uveitis Patients
Eduardo Uchiyama, MD

10:28 am – 10:31 am Incidence and Outcomes of Non-Infectious Vitritis and Infectious Endophthalmitis after Intravitreal Injection of Anti-vascular Endothelial Growth Factor Agents
Andre Muralha, MD

Panel Discussion

10:31 am – 10:53 am Uveitis
Moderator: Sofia N. Androudi, MD, PhD
Panelists: Thomas A. Albin, MD; Pauline T. Merrill, MD; Sumit Sharma, MD; Mahmoud M. Soliman, MD

First-time Presentations of Clinical Trials and Late Breakers

Session Chairs: Pravin U. Dugel, MD; Sundaram Natarajan, MD

10:55 am – 10:58 am Pretest
Pravin U. Dugel, MD

- 10:58 am – 11:05 am Optimizing DME Treatment with Decreased Injection Frequency with Long-term Steroid Implants
Daniel Roth, MD
- 11:05 am – 11:12 am One Year Results of a Randomized, Double-masked, Sham-controlled Phase 4 Study of the Efficacy, Safety, and Tolerability of Intravitreal Aflibercept Monotherapy Compared to Aflibercept With Adjunctive Photodynamic Therapy in patients with Polypoidal Choroidal Vasculopathy (ATLANTIC STUDY)
João Pedro Marques, MD, Msc
- 11:12 am – 11:19 am Technology and Artificial Intelligence in the Retina Landscape
Linda A. Lam, MD, MBA
- 11:19 am – 11:26 am The Evidence Behind Extended Anti-VEGF Dosing in Neovascular Age-related Macular Degeneration: A 5 Trial Cross-comparison
Theodore Leng, MD, MS
- 11:26 am – 11:33 am Ladder Trial of the Port Delivery System with Ranibizumab: Initial Study Results
Franco Recchia, MD

Abstract Winner

- 11:33 am – 11:36 am Open Label Study to Evaluate the Therapeutic Effects and Safety of ALK4290 in Patients with Newly Diagnosed Neovascular Age-related Macular Degeneration (nAMD)
Michael Stewart, MD
- 11:36 am – 11:39 am Posttest
Pravin U. Dugel, MD

Meeting Adjourns

- 11:39 am – 11:45 am Closing Remarks and Adjournment