

WEDNESDAY, SEPTEMBER 12, 2018

INTERESTING RETINAL CASES

MODERATOR: **Jose Pulido, MD**

MODERATOR: **William Mieler, MD**

- 1:00 pm INTRODUCTION
Bernard Doft, MD
- 1:05 Acute Macular Neuroretinopathy
Alan Cruess, MD
- 1:10 It's So Small It's...!
Jose Pulido, MD
- 1:15 The Recurring Macular Hole: Third Time's a Charm?
Rahul Khurana, MD
- 1:20 Spontaneous Resolution of Both Macular Hole, Retinal Detachment and Myopic Choroidal Neovascularization
Tae Yokoi, MD
- 1:25 Just Simple Arterial Occlusion
Antonio Casella, MD, PhD
- 1:30 Vascular Occlusion associated with an Interesting Case of Multifocal Chorioretinitis
Manjot Gill, MD
- 1:35 A Rash, Deafness and Retinal Arterial Occlusions
Lihteh Wu, MD
- 1:40 It is not Always the Way It Should Be
Audina Berrocal, MD
- 1:45 A Bullet Hole in a Bomb Blast
Anthony Daniels, MD
- 1:50 Juxtapapillary Puzzler
Mark Johnson, MD
- 1:55 The Vascularized Fovea: Morphology and Function
Eduardo Midena, MD
- 2:00 Toxoplasmic Retinochoroiditis as a Complication of Intravenous Opioid Drug Abuse
Vinod Lakhanpal, MD
- 2:05 Toxic Maculopathy following Cataract Extraction
Keye Wong, MD
- 2:10 An Intraocular and/or Extraocular Tumor
David Abramson, MD
- 2:15 Metastatic Melanoma
James Bolling, MD
- 2:20 Caldonio! Oh wait, no...Gordonia... A Curious Case of Endophthalmitis
Christina Flaxel, MD
- 2:25 Fernando's Mystery Case
Fernando Arevalo, MD

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INTERESTING RETINAL CASES/VIDEO PRESENTATIONS

2:30 pm Pediatric Exudative Retinopathy associated with Chromosome 18p Deletion

Franco Recchia, MD

2:35 Chronic VEGF Suppression in a Hereditary Chorioretinopathy

Nieraj Jain, MD

2:40 Nail-patella Syndrome

Arnaldo Bordon, MD

2:45 Bill's Mystery Case

William Mieler, MD

2:50 The Garden of the Finzi-Continis

Richard McDonald, MD

VIDEO PRESENTATIONS

MODERATOR: **Maria Berrocal, MD**

MODERATOR: **Christina Weng, MD**

2:55 En Bloc Resection of Retinal Capillary Hemangioma in Combined Tractional-Rhegmatogenous Retinal Detachment Repair

Christina Weng, MD

3:00 Perforating Intraocular Nail Injury: Vitreoretinal Surgical Repair

Felix Chau, MD

3:05 Primary Intraocular Lymphoma Presenting as a Posterior Capsular Plaque

Rehan Hussain, MD

3:10 Surgical Drainage of a Bullous Pigment Epithelial Detachment

Robert Sisk, MD

3:15 Surgical Intervention of Refractory Optic Pit Maculopathy using Fibrin Sealant

Yannek Leiderman, MD

3:20 Techniques of Macular Hole Surgery with Internal Limiting Membrane Flaps

Maria Berrocal, MD

3:25 REFRESHMENT BREAK

WEDNESDAY, SEPTEMBER 12, 2018

Italics indicate rapid fire presentation

- 4:00 pm **WELCOME**
Bernard Doft, MD, *President*
- IMAGING**
PRESIDING OFFICER: Judy Kim, MD
MODERATOR: David Sarraf, MD
- 4:05 Real-time Ultrasound B-scan is Critical to Pattern Recognition of Foreign Bodies
Yale Fisher, MD
- 4:11 Discussion
- 4:14 *Unmeasurable Small Size Superficial and Deep Foveal Avascular Zone in Nanophthalmos: The Collaborative Nanophthalmos Optical Coherence Tomography Angiography Study*
Antonio Casella, MD
- 4:19 Classification & Guidelines for Wide-field Imaging: Recommendations from the International Wide-field Imaging Study Group
Netan Choudhry, MD, FRCS
- 4:25 Discussion
- 4:28 Detection of Retinal Detachment Complicating Degenerative Retinoschisis by Wide-field Fundus Autofluorescence Imaging
Jean-Pierre Hubschman, MD
- 4:34 Discussion
- 4:37 Ultra Wide-field Optical Coherence Tomography to Investigate Relationships between Myopic Macular Retinoschisis and Posterior Staphylomas in Highly Myopic Eyes
Kyoko Ohno-Matsui, MD, PhD
- 4:43 Discussion
- 4:46 Multimodal Imaging in Pediatric Patients with Sickle Cell Disease
Adrienne Scott, MD
- 4:52 Discussion
- 4:55 Foveal Avascular Zone Metrics Variability in Optical Coherence Tomography Angiography
Judy Kim, MD
- 5:01 Discussion
- 5:04 Effects of Optical Coherence Tomography Angiography Projection Artifact Removal on Superficial and Deep Capillary Plexus Vascular Density Measurements Vary Depending on Diabetic Retinopathy Severity Level
Mohamad Elmasry, MD, FRCOphth
- 5:10 Discussion

SCIENTIFIC PROGRAM

- 5:13 pm *Microaneurysm Detection in Diabetic Retinopathy using Optical Coherence Tomography Angiography May Depend on Intra-microaneurysm Turbulence*
Shintaro Nakao, MD
- 5:18 *Longitudinal Adaptive Optics Imaging of Geographic Atrophy*
Thomas Friberg, MS, MD
- 5:23 Three-dimensional Adaptive Optics Optical Coherence Tomography Imaging in Photoreceptors in Healthy and Pathologic Aging
Andreas Pollreisz, MD
- 5:29 Discussion
- 5:32 ADJOURN

WEDNESDAY, SEPTEMBER 12, 2018

THURSDAY, SEPTEMBER 13, 2018

AGE-RELATED MACULAR DEGENERATION I

MODERATOR: **SriniVas Sadda, MD**

PRESIDING OFFICER: **David Brown, MD**

- 7:30 am ANNOUNCEMENTS
Bernard Doft, MD
- 7:35 Prophylactic Ranibizumab for Exudative Age-related Macular Degeneration (AMD) in Vulnerable Eyes with Non-exudative AMD Trial (PREVENT): Interim Report of a Prospective Controlled Clinical Trial
Clement Chan, MD
- 7:41 Discussion
- 7:44 Topographical Analysis of the Choriocapillaris in Intermediate Age-related Macular Degeneration
SriniVas Sadda, MD
- 7:50 Discussion
- 7:53 Elamipretide, a Mitochondrial-targeted Drug, for the Treatment of Vision Loss in Dry Age-related Macular Degeneration: Results of the Phase 1 ReCLAIM Study
Scott Cousins, MD
- 7:59 Discussion
- 8:02 APL-2, a Complement C3 Inhibitor, Slows the Growth of Geographic Atrophy Secondary to Age-related Macular Degeneration: 18-month Results of a Phase 2 Trial (FILLY)
David Brown, MD
- 8:08 Discussion
- 8:11 Detection of Nonexudative Choroidal Neovascularization with Optical Coherence Tomography Angiography in Eyes with Age-related Macular Degeneration
Steven Bailey, MD
- 8:17 Discussion
- 8:20 Anti-VEGF/Anti-Angiopoietin-2 Bispecific Antibody RG7716 in Neovascular Age-related Macular Degeneration
Pravin Dugel, MD
- 8:26 Discussion
- 8:29 The Novel “Trap” Inhibitor of Vascular Endothelial Growth Factors C/D, OPT-302, and Ranibizumab, an anti-VEGF-A Agent, for Wet Age-related Macular Degeneration: Phase 1 Study Results
John Wells III, MD
- 8:35 Discussion
- 8:38 Ziv-Afilbercept for Wet Age-related Macular Degeneration
Kapil Kapoor, MD
- 8:44 Discussion
- 8:47 Gene Therapy for Wet Age-related Macular Degeneration
Szilárd Kiss, MD
- 8:53 Discussion

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SCIENTIFIC PROGRAM

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- 8:56 am Outcomes of Neovascular Age-related Macular Degeneration (AMD) from the VIEW Studies by Choroidal Neovascularization (CNV) Features at Baseline
Nathan Steinle, MD
- 9:02 Discussion
- 9:05 Outcomes of Intravitreal Anti-vascular Endothelial Growth Factor (VEGF) Therapy for Neovascular Age-related Macular Degeneration (AMD) and Diabetic Macular Edema (DME) in Routine Clinical Practice
Andrew Moshfeghi, MD
- 9:11 Treatment Patterns and Clinical Outcomes During 12-Months of Neovascular Age-related Macular Degeneration Management in Real-world Clinical Practice
Charles Wykoff, MD, PhD
- 9:17 Combined discussion of above 2 presentations
- 9:21 Effective Treatment Using Extended Anti-VEGF Dosing for Neovascular Age-related Macular Degeneration: A Cross-trial Comparison
Theodore Leng, MD
- 9:27 Discussion
- 9:30 *Choroidal Vascular Changes in Age-related Macular Degeneration using Swept-source Optical Coherence Tomography*
Jay Wang, MD
- 9:35 REFRESHMENT BREAK/EXHIBITS
- OTHER MACULAR DISEASES**
MODERATOR: **Steven Schwartz, MD**
PRESIDING OFFICER: **Andrew Moshfeghi, MD**
- 10:05 *Pigmentary Maculopathy Associated with Chronic Exposure to Pentosan Polysulfate Sodium*
Nieraj Jain, MD
- 10:10 *Clinical Impact of Foveal Outer Retinal Abnormalities in Eyes with Symptomatic Vitreomacular Adhesion in the OASIS Study*
Akshay Thomas, MD
- 10:15 Developing Imaging Techniques to Study an Unseen and Functional Network of Extracellular Vesicles in Bovine and Human Vitreous Humor
Mrinali Gupta, MD
- 10:21 Discussion
- 10:24 Solar Retinopathy following Viewing of the “Great American Solar Eclipse of 2017”
Robert Wong, MD
- 10:30 Discussion
- 10:33 Continual Progression of Severe Hydroxychloroquine Retinopathy
Michael Marmor, MD
- 10:39 Discussion

SCIENTIFIC PROGRAM

- 10:42 am Optical Coherence Tomography Angiographic Findings of Tamoxifen Retinopathy; Similarity to Macular Telangiectasia Type 2
Young Hee Yoon, MD
- 10:48 Discussion
- 10:51 Relationship between Choroidal Thickness and Circulation Changes in Non-neovascular Pachychoroidopathy
Susumu Ishida, MD, PhD
- 10:57 Chronic Obstructive Sleep Apnea and Central Serous Chorioretinopathy: A Significant Association and Possible Mechanism
Steven Schwartz, MD
- 11:03 Outcomes of Treatment of Choroidal Neovascularization Associated with Central Serous Chorioretinopathy with Intravitreal Antiangiogenic Agents
Fernando Arevalo, MD, FACS
- 11:09 Discussion of above 3 presentations
- 11:14 **FELLOWSHIP AWARD PRESENTATION – INTRODUCTION**
Prithvi Mruthyunjaya, MD
Photoreceptor Metabolic Reprogramming Provides Survival Advantage in Acute Stress while Causing Chronic Degeneration
Thomas Wubben, MD, PhD
- 11:29 **RETINA RESEARCH FOUNDATION**
CHARLES L. SCHEPENS LECTURE – INTRODUCTION
Emily Chew, MD
Regenerative Visual Neuroscience: How it will Transform Eye Care
Paul Sternberg Jr, MD
- 11:59 ANNUAL BUSINESS MEETING – Members Only
- 12:40 pm LUNCHEON BREAK
- 1:25 POSTER SESSION I
- RETINAL VASCULAR DISEASE**
MODERATOR: Michael Ip, MD
PRESIDING OFFICER: Jennifer Lim, MD
- 2:10 *Early Neuronal Degeneration and Cytokine Alteration in Experimental Branch Retinal Vein Occlusion*
Ian McAllister, MD, PhD
- 2:15 *Thinning of the Retinal Nerve Fiber Layer (RNFL) after Anti-VEGF Treatment is Due to the Relief of the Mechanical Compression on Axoplasmic Flow Induced by Intraretinal Cystoid Fluid Pockets*
Aliaa Abdelhakim, MD, PhD
- 2:20 Noregen a Developing Regenerative Therapeutic for Retinal Vascular Disease
Michael Trese, MD
- 2:26 Discussion

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SCIENTIFIC PROGRAM

- 2:29 pm Cilioretinal Artery Insufficiency and its Association with Middle Retinal Layer Ischemia and Paracentral Acute Middle Maculopathy (PAMM)
David Sarraf, MD
- 2:35 Discussion
- 2:38 Retinal Vascular Changes During Pregnancy Using Optical Coherence Tomography Angiography Evaluation
Irena Tsui, MD
- 2:44 Quantitative Comparative Analysis of Optical Coherence Tomography Angiography Images Using Novel Parameters: Comparison of Control and Sickle Cell Retinopathy Eyes
Jennifer Lim, MD
- 2:50 Discussion of above 2 presentations
- 2:54 Short Telomere Associated Retinopathy: A Multicenter Study of Wide-field Fluorescein Angiographic Findings
Yoshihiro Yonekawa, MD
- 3:00 Discussion
- 3:03 The Presence of Collateral Vessels is a Useful Prognostic Sign in Patients with Retinal Vein Occlusion
James Lai, MD
- 3:09 Discussion
- 3:12 REFRESHMENT BREAK/EXHIBITS
- DIABETIC RETINOPATHY I**
MODERATOR: Jeffrey Heier, MD
PRESIDING OFFICER: Justis Ehlers, MD
- 3:42 *Biomarkers of Early Diabetic Retinopathy Based on Dynamic Fluorescein Angiography and Tracer Kinetic Model*
Jennifer Kang-Mieler, PhD
- 3:47 *Higher Order Assessment of Optical Coherence Tomography for Quantitative Retinal Features in the VISTA DME Study*
Justis Ehlers, MD
- 3:52 *Optical Coherence Tomography Angiography to Differentiate Microvascular Abnormalities (IRMA) from Retinal Neovascularization (RNV)*
Caroline Bauml, MD
- 3:57 Earliest Detection of Preclinical Diabetic Retinopathy Using Optical Coherence Tomography Angiography (OCTA) Perfused Capillary Density
Richard Rosen, MD
- 4:03 Discussion
- 4:06 Retinal Capillary Density, Morphology and Function Reliably Correlate with Diabetic Retinopathy Severity and can Identify Disease Progression Relevant for Clinical Management
Amir Kashani, MD
- 4:12 Discussion

THURSDAY, SEPTEMBER 13, 2018

SCIENTIFIC PROGRAM

- 4:15 pm A Cross-trial Analysis of Effects of High-dose Anti-VEGF for the Treatment of Diabetic Macular Edema
Quan Nguyen, MD, MSc
- 4:20 Anti-Vascular Endothelial Growth Factor A (VEGF-A)/Anti-Angiopoietin-2 (Ang-2) Bispecific Antibody RG7716 in Diabetic Macular Edema: Efficacy and Safety Results from the Phase 2 BOULEVARD Randomized Clinical Trial (RCT)
Carl Regillo, MD
- 4:26 Discussion
- 4:29 Intravitreal Aflibercept Injection for Moderately Severe Nonproliferative Diabetic Retinopathy: The Phase 3 PANORAMA Study
Jeffrey Heier, MD
- 4:35 Discussion
- 4:38 Rethinking Diabetic Retinopathy Management: Why Not Treat Early?
Diana Do, MD
- 4:44 Diabetic Retinopathy Outcomes in the Fellow Untreated Eyes of Patients Receiving Ranibizumab in the RIDE/RISE Studies
Sophie Bakri, MD
- 4:50 Patients Ultra-responsive to Treatment in DRCR.net Protocol S with ≥ 4 -Step Improvements in Diabetic Retinopathy Severity
Allen Chiang, MD
- 4:56 Anti-VEGF Therapy for Diabetic Retinopathy: Consequences of Inadvertent Treatment Interruptions
Mark Johnson, MD
- 5:02 Discussion of above 4 Presentations
- 5:08 *The Risk of Glaucoma with Repeated Intravitreal Injections of Anti-VEGF*
Brian VanderBeek, MD, MPH
- 5:13 ADJOURN

THURSDAY, SEPTEMBER 13, 2018

FRIDAY, SEPTEMBER 14, 2018

GENETIC DISEASES, DYSTROPHIES AND DEGENERATIONS

MODERATOR: **Anita Agawal, MD**

PRESIDING OFFICER: **Kent Small, MD**

7:30 am ANNOUNCEMENTS

Bernard Doft, MD

7:32 *Central Visual Function, Subfoveal Choroidal Blood Flow and Central Choroidal Anatomy in Retinitis Pigmentosa*

Yusuke Murakami, MD, PhD

7:37 *Quantification and Correlation of Outer Retinal Degeneration and Choriocapillaris Loss in Stargardt Disease using en face Optical Coherence Tomography (OCT) and OCT Angiography*

Paul Yang, MD, PhD

7:42 *Multimodal Imaging Including Optical Coherence Tomography-Angiography and Functional Testing of North Carolina Macular Dystrophy (NCMD) Provides New Insights into the Developmental Nature of NCMD and the Development of the Human Macular*

Kent Small, MD

7:47 ORCA: Opsins Restoring Cellular ATP

Edward Wood, MD

7:53 Discussion

7:56 Three-year Update of the Phase 3 Voretigene Neparvovec-rzyl Study in Biallelic RPE65 Mutation-associated Inherited Retinal Disease

Thomas Ciulla, MD

8:02 Discussion

DIABETIC RETINOPATHY II

MODERATOR: **Mark Johnson, MD**

PRESIDING OFFICER: **Jason Hsu, MD**

8:05 Five-year Outcomes from a Randomized Trial of Panretinal Photocoagulation vs. Ranibizumab for Proliferative Diabetic Retinopathy

Andrew Antoszyk, MD

8:11 Discussion

8:14 Outcomes of Eyes Lost to Follow-up with Proliferative Diabetic Retinopathy that Received Panretinal Photocoagulation vs Intravitreal Anti-vascular Endothelial Growth Factor

Jason Hsu, MD

8:20 Discussion

8:23 The Relationship of Treatment Compliance and Clinical Sociodemographic Factors in Patients with Diabetic Macular Edema

Aleksandra Rachitskaya, MD

8:29 Discussion

FRIDAY, SEPTEMBER 14, 2018

SCIENTIFIC PROGRAM

- 8:32 am Retinopathy Regression with Treat & Extend Ranibizumab for Diabetic Macular Edema
John Payne, MD
- 8:38 Discussion
- 8:41 *Effect of Fluocinolone Acetonide (Fac) 0.2µg/day Implant on the Decision to Drive in Patients with Diabetic Macular Edema*
Ivan Suner, MD, MBA
- 8:46 *Assessing Foveal Vasculature Changes and Nonperfusion in Patients with Diabetes and No Evidence of Diabetic Retinopathy*
Charles Barr, MD
- 8:51 USER Study Real World Outcomes: Reduction in Retinal Thickness Variability with the Fluocinolone Acetonide Implant for Diabetic Macular Edema
Christopher Riemann, MD – for the USER Study Group
- 8:57 The Effect of DME Duration on Visual and Anatomical Response to the Fluocinolone Acetonide Implant – a Subgroup Analysis from the 3-year RETRO-IDEAL Study in Germany
Albert Augustin, Prof. Dr.
- 9:03 Discussion of above 2 presentations
- 9:07 REFRESHMENT BREAK/EXHIBITS
- 9:37 **GUESTS OF HONOR**
Wayne Fung, MD
Anne Fung, MD – Introduction
Brooks McCuen Jr, MD
Michael Trese, MD – Introduction
- ARTIFICIAL INTELLIGENCE, NEURAL NETWORKS, AND THE RETINA**
MODERATORS: Neil Bressler, MD, Dimitri Azar, MD
PRESIDING OFFICER: Glenn Jaffe, MD
- 9:46 *Innovations in Retina Lecture Series – Introduction of Invited Lecturer*
Bernard Doft, MD
The Future is Now: Artificial Intelligence in Ophthalmology and Retina
Dimitri Azar, MD, MBA
- 10:16 *Machine Learning-based Quantification of Choroidal Vessels on En-face Image in Central Serous Chorioretinopathy (CSC)*
Taiji Sakamoto, MD, PhD
- 10:21 Using Deep Learning for Detailed Severity Characterization and Prediction of 5-year Risks in Age-related Macular Degenerations
Neil Bressler, MD
- 10:27 Discussion

FRIDAY, SEPTEMBER 14, 2018

SCIENTIFIC PROGRAM

- 10:30 am Identifying Medical Diagnoses and Treatable Diseases
by Image-based Deep Learning
Michael Singer, MD
- 10:36 Discussion
- 10:39 Deep Learning Algorithm for the Diagnosis of Birdshot
Chorioretinitis using Fundus Photographs
Dilraj Grewal, MD
- 10:45 Discussion
- 10:48 Simultaneous Detection and Quantification of Retinal Fluid
with Deep Learning
Saad Shaikh, MD, MBA
- 10:54 Discussion
- 10:57 **RAYMOND MARGHERIO AWARD: INTRODUCTION**
Prithvi Mruthyunjaya, MD
**Effects of Intravitreal Administration of CD34+ Stem Cells from
Human Bone Marrow in Murine Model of Diabetic Retinopathy:
Multimodal in vivo Retinal Imaging and Microarray Analysis**
Amirfarbod Yazdanyar, MD, PhD
- 11:12 **J. DONALD M. GASS AWARD INTRODUCTION**
Mark Blumankranz, MD
**Using Optical Coherence Tomography to Improve the Outcomes
of Macular Surgery**
Stanley Chang, MD
- 11:42 LUNCHEON BREAK
- 12:28 pm POSTER SESSION II
- SURGERY I**
MODERATOR: Allen Ho, MD
PRESIDING OFFICER: Edwin Ryan, MD
- 1:22 *Quality-of-Life Gains: Vitreoretinal vs. Other Interventions*
Gary Brown, MD, MBA
- 1:27 *Incisional Choroidal Surgery*
Timothy Olsen, MD
- 1:32 Retinal and Choroidal Blood Flow after Whole Eye Transplantation
in an Orthotopic Vascularization Small Animal Model
Andrew Eller, MD
- 1:38 Discussion
- 1:41 Digital Retinal Surgery, Optical and Clinical Studies at an Academic
Retina Service
William Freeman, MD
- 1:47 Comparison of Three-dimensional Head-up Display Surgical Platform
to Standard Operating Microscopy for Macular Surgery
Murtaza Adam, MD
- 1:53 Discussion of above 2 presentations

FRIDAY, SEPTEMBER 14, 2018

SCIENTIFIC PROGRAM

- 1:57 pm *Macular Holes Concurrent with Retinal Detachment in the Primary Retinal Detachment Outcomes (PRO) Study*
Wilkin Parke III, MD
- 2:02 Modern Techniques and Indications for Scleral Buckling Surgery
William Ross, MD, FRCSC
- 2:08 Discussion
- 2:11 *Surgical Outcomes of Rhegmatogenous Retinal Detachment in Young Adults*
Karen Brown, MD
- 2:16 Pars Plana Vitrectomy (PPV) Alone for the Management of Primary Rhegmatogenous Retinal Detachment (RRD) with High or Extreme Myopia
Vicente Martinez-Castillo, MD, PhD
- 2:22 Outcomes of Repair of Moderately Complex Phakic Rhegmatogenous Retinal Detachment (RRD): The PRO Study (Primary Retinal Detachment Outcomes)
Edwin Ryan, MD
- 2:28 A Report on the Relative Success of Current Techniques used to Repair Primary Pseudophakic Rhegmatogenous Retinal Detachment (RRD): From the Primary Retinal Detachment Outcomes (PRO) Study
Daniel Joseph, MD, PhD
- 2:34 Discussion of above 3 presentations
- 2:39 Differences in Quantitative Metamorphopsia Measurements and Optical Coherence Tomography Morphology following Rhegmatogenous Retinal Detachment Repair: Analysis of a Randomized Controlled Trial Comparing Pneumatic Retinopexy to Pars Plana Vitrectomy
Rajeev Muni, MD, MSc
- 2:45 Discussion
- 2:48 Fovea-sparing Rhegmatogenous Retinal Detachments: Impact of Clinical Factors on Surgical Outcomes
James Major, MD, PhD
- 2:54 Discussion
- 2:57 *Retinal Detachment from Depot Intravitreal Triamcinolone Acetonide Injection at the End of Pars Plana Vitrectomy*
Robert Sisk, MD
- 3:02 Differential Association of Elevated Inflammatory Cytokines with Postoperative Fibrous Proliferation and Neovascularization after Unsuccessful Vitrectomy in Eyes with Proliferative Diabetic Retinopathy
Shigeo Yoshida, MD, PhD
- 3:08 Discussion
- 3:11 Endoscopy-assisted Ciliary Body Membrane Peeling for Chronic Hypotony Secondary to Retinal Detachment Repair
Jorge Arroyo, MD, MPH
- 3:17 Discussion

FRIDAY, SEPTEMBER 14, 2018

SCIENTIFIC PROGRAM

3:20 pm REFRESHMENT BREAK/EXHIBITS

INFLAMMATION

MODERATOR: **Seenu Hariprasad, MD**

PRESIDING OFFICER: **Thomas Albin, MD**

3:50 *The Effect of Fibrin Gels in the Subretinal Space*

Jose Pulido, MD, MS, MPH, MBA

3:55 Suprachoroidally Injected CLS-TA Improves Visual Acuity and Macular Edema in Non-infectious Uveitis: Results of the Phase 3 PEACHTHREE Study

Rahul Khurana, MD

4:01 Discussion

4:04 Treatment of Non-infectious Posterior Segment Uveitis with an Injectable Intravitreal Fluocinolone Acetonide Insert – 12-months Results

Thomas Albin, MD

4:10 Discussion

4:13 *Effect of a 0.18mg Sustained Release Injectable Intravitreal Fluocinolone Acetonide Insert on Macular Edema in Patients with Posterior Segment Uveitis*

Seenu Hariprasad, MD

4:18 *Obtaining Vitreous Samples in Ophthalmic Inflammatory Diseases: Comparing the Rate of Dry Taps using a Needle vs Trocar Cannula*

Jerome Giovino, MD

4:23 *Therapeutic Considerations in Streptococcus Mitis Endophthalmitis*

Stanford Taylor, MD

4:28 Clinical Characteristics and Visual Outcomes after Post Anti-VEGF Injection Endophthalmitis

Bernard Doft, MD

4:35 Prefilled Ranibizumab Syringes and Endophthalmitis following Intravitreal Injection

Philip Storey, MD, MPH

4:40 Discussion of above 2 presentations

4:44 *Punctal Plugs Reduce Iodine Related Ocular Surface Discomfort in Patients Receiving Intravitreal Injections*

John Pitcher III, MD

4:49 Vitreous Cytokine Expression and a Murine Model Suggest a Key Role in the Inflammatory Response to Retinal Detachment

Lee Kiang, MD, PhD

4:55 Discussion

FRIDAY, SEPTEMBER 14, 2018

LATE BREAKING PRESENTATIONS

- 4:58 pm Intravitreal Aflibercept Injection versus Sham as Prophylaxis against Conversion to Neovascular Age-related Macular Degeneration in High-Risk Eyes – The PRO-CON Study
Jeffrey Heier, MD
- 5:04 Discussion
- 5:07 Three-year Follow-up of rAAV2-sFLT-1 Subretinal Gene Therapy for Advanced Exudative Age-related Macular Degeneration
Ian Constable, MD
- 5:13 Discussion
- 5:16 Ladder Trial of the Port Delivery System with Ranibizumab: Initial Study Results
Dante Pieramici, MD
- 5:22 Discussion
- 5:25 ADJOURN

SATURDAY, SEPTEMBER 15, 2018

AGE-RELATED MACULAR DEGENERATION II

MODERATOR: **Szilárd Kiss, MD**

PRESIDING OFFICER: **John Wells, MD**

7:30 am ANNOUNCEMENTS

Bernard Doft, MD

7:32 *Bilateral versus Unilateral Geographic Atrophy: Insights into Pathophysiology*

Edoardo Midena, MD, PhD

7:37 *Disrupted Monocyte Cholesterol Efflux is Sufficient for Developing Early Age-related Macular Degeneration Lesions in Mice*

Rajendra Apte, MD

7:42 Rhegmatogenous Retinal Detachment following Intravitreal Injection of Anti-vascular Endothelial Growth factor: The Risk Factors and Outcomes

Omesh Gupta, MD, MBA

7:48 Discussion

7:51 *Endophthalmitis Rates after Bilateral Same Day Intravitreal Anti-VEGF Injections*

Durga Borkar, MD

7:56 *Outcomes of Cataract Surgery in Patients with Exudative Age-related Macular Degeneration and Macular Fluid at the Time of Surgery*

Matthew Starr, MD

8:01 Challenges in the Diagnosis of Symptomatic Macular Polypoidal Choroidal Vasculopathy: Screening Failure Rates in the EVEREST II Clinical Trial

Colin Tan, MBBS, FRCSEd

8:07 Clinical Characteristics of Polypoidal Choroidal Vasculopathy in Caucasian Patients with Prevalence of Anti-vascular Endothelial Growth Factor (Anti-VEGF) Resistance

Gregg Kokame, MD, MMM

8:13 Defining Pachychoroid and Pachyvessels that have Risks of Re-injections and Worse Prognosis in Polypoidal Choroidal Vasculopathy

Yoko Ozawa, MD, PhD

8:19 Discussion of above 3 presentations

SURGERY II

MODERATOR: **Sundeep Dev, MD**

PRESIDING OFFICER: **David Zacks, MD**

8:24 *Impact of Epiretinal Membrane Surgery on Central Peripheral Rivalry-type Diplopia*

Raymond Iezzi, MD, MS

SCIENTIFIC PROGRAM

- 8:29 am Incidence of Cystoid Macular Edema (CME) after Combined Cataract Surgery Extraction (CE) and Pars Plana Vitrectomy (PPV) with Membrane Peel (MP) for Patients with Cataract and Epiretinal Membrane (ERM)
Sundeep Dev, MD
- 8:35 Clinical Course of Idiopathic Epiretinal Membrane Eyes with 20/50 or Better
Harry Flynn Jr, MD
- 8:41 Discussion of above 2 presentations
- 8:45 *One-year Outcomes of the Modified Yamane Technique*
Jonathan Prenner, MD
- 8:50 Refractive Outcomes after Pars Plana Vitrectomy and Scleral Fixation Intraocular Lens with Gore-Tex Suture
Daniel Su, MD
- 8:56 Discussion
- 8:59 *The Utility of Postoperative Week One Visits after Pars Plana Vitrectomy for Macular Surgery*
Phoebe Mellen, MD
- 9:04 Single Intraoperative Subconjunctival Triamcinolone Acetonide Injection Versus 4-6-week Topical Steroid Taper following Vitrectomy Surgery
John Pollack, MD
- 9:10 Discussion
- 9:13 Indications and Outcomes of Vitrectomy after Open Globe Injury
Cindy Ung, MD
- 9:19 Posterior Segment Involving Open-globe Outcomes Data at a Single Academic Institution
William Mieler, MD
- 9:25 Discussion of above 2 presentations
- 9:29 REFRESHMENT BREAK/EXHIBITS

PEDIATRIC RETINAL DISEASES

MODERATOR: **Antonio Capone, MD**

PRESIDING OFFICER: **Audina Berrocal, MD**

- 9:59 Bedside Visualization of Three-dimensional Retinal Structural and Vascular Changes in Infants and Children
Xi Chen, MD, PhD
- 10:05 Discussion
- 10:08 The Role of Wnt-signaling in Regenerative Medicine Ocular Therapy
Kimberly Drenger, MD
- 10:14 Discussion
- 10:17 Longitudinal Examination of Fellow Eye Vascular Anomalies in Coats' Disease with Widefield Fluorescein Angiography: A Multicenter Study
Karen Jeng-Miller, MD, MPH

SATURDAY, SEPTEMBER 15, 2018

SCIENTIFIC PROGRAM

SATURDAY, SEPTEMBER 15, 2018

- 10:23 am Long-term Outcomes of Total Exudative Retinal Detachments in Stage 3B Coats Disease
Albert Li, MD
- 10:29 Discussion of above 2 presentations
- 10:33 Gene Therapy in Pediatric Patients at the Bascom-Palmer Eye Institute
Audina Berrocal, MD
- 10:39 Discussion
- 10:42 Regression Patterns following Vascular Endothelial Growth Factor Inhibitor Treatment in Retinopathy of Prematurity
Darius Moshfeghi, MD
- 10:48 Discussion
- 10:51 Surgical Indications, Outcomes and Complications of Pediatric Endoscopic Vitrectomy in 326 Consecutive Cases
Aaron Nagiel, MD, PhD
- 10:57 Acute Stage 4 Retinopathy of Prematurity (ROP) Retinal Detachment (RD): UK National Surgical Outcomes of Simultaneous Endoscopic and Conventional Vitrectomy in 51 Consecutive Cases
Sui Chien Wong, MBBS, FRCS
- 11:02 Discussion of above 2 presentations
- 11:06 Management of Rhegmatogenous Retinal Detachment in Patients with a History of Severe Prematurity
Franco Recchia, MD
- 11:12 Discussion
- TUMORS**
MODERATOR: **Timothy Murray, MD, MBA, FACS**
PRESIDING OFFICER: **Prithvi Mruthunjaya, MD, MHS**
- 11:15 *Efficacy of 25-gauge Pars Plana Vitrectomy in Eyes with Radiation Complications following Plaque Brachytherapy for Choroidal Melanoma*
John Mason III, MD
- 11:20 Retinoblastoma: Do Shifting Treatment Trends Increase Metastatic/Mortality Risk in Advanced Retinoblastoma: An Evaluation of Three Decades of Advanced Treatment
Timothy Murray, MD, MBA, FACS
- 11:26 Discussion
- 11:29 Comparison of Three Prognostic Tools Used in Choroidal Melanoma: Liverpool Uveal Melanoma Prognosticator Online, American Joint Commission on Cancer and Gene Expression Profile
Vaidehi Dedania, MD
- 11:35 Discussion
- 11:38 A Comparison of 70 Gy vs. 50 Gy Proton Radiation in Patients with Uveal Melanoma
Evangelos Gragoudas, MD
- 11:44 Discussion

SCIENTIFIC PROGRAM

- 11:47 am Real World Plaque Brachytherapy Practices Among the Ocular
Oncology Study Consortium (OOSC) Treatment Centers
Prithvi Mruthyunjaya, MD, MHS
- 11:53 Discussion
ADJOURN

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