POSTER SESSION I – FRIDAY, 1:00 – 2:00 PM

POSTER #

RETINAL VASCULAR DISEASE

F1  Intraocular Pressure Increases Following Dexamethasone Implant Administration  
    Michael Singer, MD

F2  6-Month Outcomes in Anti-VEGF Treated Patients with Branch and Central Retinal Vein Occlusion across Phase 3/4 Trials  
    Theodore Leng, MD, MS

F3  Peripheral Choroid Vessel and Vortex Vein Anatomy and Distribution in Ocular and Systemic Disease  
    Kyle Kovacs, MD

F4  Association of Disorganization of the Retinal Inner Layers with Long Term Visual Acuity in Central Retinal Vein Occlusion  
    Duncan Berry, MD

F5  Retinal Nerve Fiber Layer (RNFL), Central Retinal and Choroidal Thickness in SCUBA Divers  
    Tamara Vrabec, MD

F6  Testosterone Supplementation and Retinal Vascular Disease  
    Vaidehi Dedania, MD

F7  Intravitreal Anti-vascular Endothelial Growth Factor (VEGF) Injections for Macular Edema Associated with Central Retinal Vein Occlusion (CRVO) in Patients Under 40 Years of Age  
    Xinxiao Gao, MD

F8  Planning and Design of the Ranibizumab Prefilled Syringe for Safety and Time-Savings  
    Andrew Antoszyk, MD

F9  Combined Anti-VEGF and Laser Photocoagulation in the Treatment of Macular Edema due to Branch Retinal Vein Occlusion (BRVO): A New Approach  
    Arnaldo Bordon, MD, PhD

F10 Fellow Eye Findings in Coats’ Disease: Longitudinal Serial Evaluation with Widefield Fluorescein Angiography  
    Karen Jeng-Miller, MD

F11 Fundus Autofluorescence in Optic Disk Hollenhorst Plaque  
    Alvaro Rodriguez, MD

RETINAL DYSTROPHIES AND DEGENERATIONS

F12 Neuroprotective Role of Retinal SIRT3 against Acute Photo-Stress  
    Yoko Ozawa, MD, PhD

F13 Long-term Results of Intravitreal Bevacizumab for Choroidal Neovascularization in Pediatric Patients with Best Vitelliform Macular Dystrophy  
    Jorge Orellana-Rios, MD
**POSTER PROGRAM**

**PEdiATRIC RETINaL DIS EaSE**

F14  Conjunctional Bacterial Flora and Antiseptic Effect of Povidone-Iodine for Infants in the Intensive Care Unit Screened for Retinopathy of Prematurity  
**Ryan Vogel, MD**

F15  Spectral Domain Optical Coherence Tomography Imaging of the Macula and Vitreomacular Interface in Persistent Fetal Vasculature Syndrome with Posterior Involvement  
**Irina De la Huerta, MD, PhD**

**INFLAMMATION**

F16  Poor Prognosis of Elderly Individuals >80 Years of Age with Acute Retinal Necrosis  
**Ryoji Yanai, MD, PhD**

F17  When Should We Taper Drops in Treating Cystoid Macular Edema: Using the EpicCare EMR  
**William Foster, MD, PhD**

F18  Endogenous Bacterial Endophthalmitis: A Five-year Experience  
**Thomas Jenkins, MD**

F19  Optical Coherence Tomography and Clinical Features of Endogenous Fungal Endophthalmitis  
**Caroline Baumal, MD**

F20  Outcomes of Intravitreal Injections Performed with a Lid Splinting Eyelid Retraction Technique: A Minimized Sterile Approach  
**Monique Munro, BSc, MD**

F21  Macular Surgery in Posterior Uveitis  
**Shree Kurup, MD**

F22  Clinical Features and Outcomes of Patients with Culture Positive Endophthalmitis after Penetrating Keratoplasty  
**Kimberly Tran, MD**

**IMaGING**

F23  Intravitreal Pharmacokinetic Properties and Systemic Biodistribution Characteristics of I-124 Labeled Bevacizumab, Ranibizumab and Aflibercept with PET/CT Imaging on a Non-human Primate Model  
**John Christoforidis, MD**

F24  Motion Stabilization in Retinal Video Angiography Using Serial Rigid Registration  
**Saad Shaikh, MD, MBA**

F25  Acute Macular and Peripapillary Angiographic Changes with Intravitreal Injections  
**Alexander Barash, MD**

F26  Optical Density of Sub-retinal Fluid in Patients with Chronic Central Serous Retinopathy Treated with Eplerenone  
**Christopher Aderman, MD**
F27 Efficacy of Retinal Lesion Screening in Von Hippel-Lindau (VHL) Patients with Fundus Photography Versus Wide-angle Fluorescein Angiography
Liliya Golas, MD

F28 Senile Retinoschisis: Observations from Ultra-widefield Imaging
Aristomenis Thanos, MD

F29 Optical Coherence Tomography Angiography and Dark Adaptation Metrics in Subjects with Past or Current Hydroxychloroquine Use
Priya Sharma, MD

F30 Imaging of Deep Choroidal Vasculature using Spectral Domain and Swept Source Optical Coherence Tomography Angiography
Jay Wang, MD

F31 Utility of Optical Coherence Tomography Angiography (OCTA) for the Evaluation and Longitudinal Management of Type 3 Neovascularization in Age-related Macular Degeneration
Manjot Gill, MD

OTHER MACULAR DISEASE

F32 Surgical Intervention for Refractory Optic Pit Maculopathy Using Fibrin Sealant
Yannek Leiderman, MD, PhD

F33 Clinical Impact of Subfoveal Lucency Before or After Treatment of Vitreomacular Traction without Macular Hole in the Phase III Trials of Ocriplasmin Vitreolysis
Akshay Thomas, MD, MS

F34 Intraoperative and Postoperative Optical Coherence Tomography Imaging of Autologous Platelet-Rich Plasma Injection for Myopic Macular Hole Repair
Scott Walter, MD, MSc

F35 A Novel Contrast Sensitivity Test to Assess Visual Function in Macula-involving Retinal Detachment and Central Serous Retinopathy
Merina Thomas, MD

F36 Clinical Characteristics of Peripapillary Choroidal Neovascularization
Jila Noori, MD

F37 Insight into the Evolution and Pathogenesis of Subretinal Precipitates in Optic Disc Pit Maculopathy
Panagiotis Theodosiadis, MD

F38 Spontaneous ‘Self-peeling’ of Epioretinal Membrane
Homayoun Tabandeh, MD, MS

F39 Updated Cost Effectiveness of Intravitreal Ocriplasmin for Vitreomacular Adhesion and Macular Hole
Kapil Kapoor, MD

F39A One Year Effectiveness Study of Intravitreous Bevacizumab in Neovascular Age-related Macular Degeneration: A Population-based Retrospective Cohort Study
David Maberley, MD
SATURDAY POSTER VIEWING SCHEMATIC

BALLROOM FOYER

F&B
AGE-RELATED MACULAR DEGENERATION

S40 Endophthalmitis Associated with Intravitreal Injection of Anti-VEGF Agents at a Tertiary Referral Center (in House and Referred Cases)
Nicolas Yannuzzi, MD

S41 Patients with Dry Age-related Macular Degeneration are at Higher Risk for Sleep Apnea
Rukhsana Mirza, MD

S42 Outcomes of Anti-VEGF Treatment for Choroidal Neovascularization in Fellow Eyes of Previously Treated Neovascular Age-related Macular Degeneration Patients
Maxwell Stem, MD

S43 Classification of Strokes in Patients Receiving Intravitreal Anti-vascular Endothelial Growth Factor
Matthew Starr, MD

S45 Human Plasma Metabolomics in Age-related Macular Degeneration using Mass Spectroscopy
Deeba Husain, MD

S46 Systemic Beta-Blockers and Risk of Progression to Neovascular Age-related Macular Degeneration
Anton Kolomeyer, MD, PhD

S47 The Reflection of Reported Practice Patterns among Actual Claims Data for Anti-vascular Endothelial Growth Factor Use for Age-related Macular Degeneration in the United States
Ravi Parikh, MD MPH

S48 Outcomes of Neovascular Age-related Macular Degeneration Patients Based on Dosing Frequency in the Second Year of VIEW Studies
Lloyd Clark, MD

S49 Comparison of Progression to Advanced Stage between Polypoidal Choroidal Vasculopathy and Age-related Macular Degeneration in Korea
Miin Roh, MD, PhD

S50 Natural History of Geographic Atrophy (GA) in Untreated Eyes with Nonexudative Age-related Macular Degeneration: A Meta-analysis
Linus Shen, BS

S51 Photodynamic Therapy: Raiders of the Lost Art?
Andres Gonzales

SURGERY

S52 Epithelial Growth Factor (EGFR)-Driven Gliosis Reactive to Rhegmatogenous Retinal Detachment (RRD) In Vivo is Beneficial: it Reabsorbs Retinal Edema (RE) and it is Permissive for Photoreceptor (PR) Regeneration once the Retinal Disruption is Healed
Claude Boscher, MD

S53 Combined Phacoemulsification Surgeries with Multifocal Intraocular Lens Implantation and Vitrectomy for Symptomatic Vitreous Opacities
Robert Sisk, MD
S54 Very Low-Pressure Subretinal Injection with Internal Limiting Membrane Removal Preserves Retinal Microstructure in Macaque Eyes

Yuki Morizane, MD, PhD

S55 A Novel Approach to Scleral Fixation of Posterior Chamber Intraocular Lenses in Deep-set Eyes

Ilya Leskov, MD, PhD

S56 Vitreous Cytokine Composition is Associated with the Severity of Retinal Detachment and Postoperative Vision

Lee Kiang, MD, PhD

S57 One-year Outcomes of a Novel Surgical Approach for 4-point Intraocular Lens fixation using Gore-Tex Suture, CZ70BD Lens and Cow-hitch Knot

Dimosthenis Mantopoulos, MD

S58 Retinal Detachment and Repair after Macular Surgery

Michael Cohen, MD

S59 Outcomes of Anti-VEGF Therapy in Choroidal Neovascularization after Macular Surgery

Antonio Casella, MD, PhD

S60 Modified Technique for Submacular Hemorrhage Displacement

Amit Sangave, MD

S61 Clinical Outcomes of Scleral Fixated Intraocular Lens Using Gore-Tex Sutures

Nimesh Patel, BS, MD

S62 Neuro-imaging in the Emergency Room (ER) Setting in Patients with Vitreoretinal Symptoms

Adnan Mallick, MD

TUMORS

S63 ROCK Inhibition Induces Retinoblastoma Differentiation Towards a Neuronal Phenotype with LW/MW-Opsin Expression and Reduced Proliferation in Vitro

Patrick Oellers, MD

S64 Preclinical Acute Safety Study of Combined Intravitreal Carboplatin and Topotecan for Retinoblastoma with Vitreous Seeding

Stephen Smith, MD

S65 Quantification of Diagnostic Standardized A Scan of Choroidal Melanoma

Nakul Singh, MS

S66 Cerebral Cavernous Malformation with Retinal Lesions

Ananda Kalevar, MD, FRCSC, DABO

DIABETIC RETINOPATHY

S67 Treatment of Diabetic Retinopathy by Modification of CD34+ Endothelial Progenitor Cells (EPC)

Charles Garcia, MD

S68 Year 3 Visual Acuity Response in Early Nonresponders to 0.2 ug/day Fluocinolone Acetonide Implants: FAME Study Post Hoc Analysis

Daniel Kiernan, MD
| S69 | Demographic variations in Loss to Follow up Following Panretinal Photocoagulation in Patients with Proliferative Diabetic Retinopathy  
Ferhina Ali, MD MPH |
| S70 | Erythropoiesis Stimulating Agents and the Risk of Vision Threatening Diabetic Retinopathy  
Keirnan Willett, MD |
| S71 | Proteomic Analysis Reveals Dysregulation of Neural Signaling Pathways in Diabetic Retinas Prior to the Development of Vascular Lesions  
Jeffrey Sundstrom, MD, PhD |
| S72 | Incidence of Retinal Intervention in Patients without Diabetic Retinopathy within Two Years of Screening  
Donald Fong, MD |
| S73 | Fluocinolone Acetonide Intravitreal Implant in Treatment Experienced Eyes for Diabetic Macular Edema (DME): One-year Results  
Sumit Shah, MD |

**EDUCATION**

| S74 | Structured Video Indirect Ophthalmoscope-guided Education for Improved Resident Ophthalmologist Confidence with Retinal Examination  
Jayanth Sridhar, MD |
| S75 | A Simple Model Eye for Practicing Indirect Ophthalmoscopy and Retinal Photocoagulation  
Jan Kylstra, MD |