

SUNDAY – 4/23

8:00am – 9:45am (CST) 9:00am – 10:45am (EST)

Chiariglione M, Alexander AJ, Gao XR

Whole-exome Sequencing Identifies Rare Variants and Genes Associated with Glaucoma
(Poster Session 16 – B0162)

Clark C, **VanNasdale D**

Meta-analysis of incidence of closed angle glaucoma induced by mydriasis and factors associated
(Poster Session 16 – B0197)

Irungovel A, Han M, **Hartwick A**, Viswanathan S

Dynamics of pupil response recovery in patients with mild Traumatic Brain Injury
(Poster Session 14 – B0086)

Kwok S, Liu J

Peripapillary scleral flange experiences high mechanical strains during intraocular pressure elevation
(Poster Session 15 – B0127)

Pan M, Kwok S, Pan Xueliang, Liu J

Biomechanical correlations between cornea and optic nerve head
(Poster Session 15 – B0129)

12:00pm – 1:45pm (CST) 1:00pm – 2:45pm (EST)

Mutti D, Sinnott L, Berntsen D, Jordan L, Walline J

Uniformity of treatment benefit in multifocal contact lens myopia control
(Poster Session 50 – C0502)

Zhang L, Foster T, Maurer A, Zhu H, Chandler H

MG53 Protects Against Oxidative Stress In Corneal Endothelial Cells
(Poster Session 44 – B0257)

3:45pm – 5:30pm (CST) 4:45pm – 6:30pm (EST)

Choi S, Ivey E, Araujo-Hernandez S, Doble N

In vivo imaging of cone photoreceptors from both central and peripheral retina in myopic adolescents
(Poster Session 65 – C0012)

Doble N, Wells-Gray E, Ohr M, Choi S

Adaptive Optics OCT Imaging in Type 2 Acute Macular Neuroretinopathy
(Poster Session 65 – C0022)

Lee S, Choi S, Meleppat RK, Zawadzki RJ, Doble N

High-speed adaptive optics multi-detection mode ophthalmoscope using a digital micromirror device
(Poster Session 65 – C0002)

Meleppat RK, Pijewska E, Lee S, Santos D, Jonnal RS, Doble N, Zawadzki RJ

Progress on a full-field swept-source optical coherence tomography (FF-SS-OCT) system for mouse optoretinography (ORG)
(Poster Session 66 – C0048)

MONDAY – 4/24

11:30am – 1:15pm (CST)

12:30pm – 2:15pm (EST)

Brown A, Jayakody S

Comparison of three tests of contrast sensitivity
(Poster Session 87 – B0135)

Bruner C, Mahmoud A, Roberts CJ

A comparison of single point and zonal maximum axial curvature
(Poster Session 94 – B0427)

Bui A, Mitchell GL, Kulp M

Detection of Significant Vision Conditions in School-age Children using QuickSee Wavefront Auto-refractor
(Poster Session 86 – B0079)

El-Hodiri E, Hawthorn E, Torres D, Kelly L, Matos, R, Potts S, Fischer A

Histone acetylation influences glial reactivity and the formation of Müller glia-derived progenitor cells in the chick retina
(Poster Session 90 – B0272)

Fan S, Kamthan G, Vikas G, Pamnani R, Ianchulev T, Toris C

Outflow facility of single vs dual wall canalotomy
(Poster Session 84 – B0029)

Fortman M, Mahmoud A, Roberts CJ, Yuhas P

Intraocular pressure and biomechanical parameters measured with two generations of dynamic bidirectional air-puff tonometers in subjects with keratoconus and in healthy controls
(Poster Session 94 – B0439)

Goel M, Choi H, Mangel S

Light/dark adaptation modulates GABA-mediated lateral excitatory signaling between the dendrites and spinules of horizontal cells in goldfish retina
(Poster Session 92 – B0354)

Haensel J, Chen A, Cotter S, Lorenzana I, Han S, Lytle A, Raghuram A, Huang K, Manh V, Patel R, Retnasothie D, Jordan L, Roberts T

Accommodative Response in Astigmatic Children Aged 3 to <10 Years
(Poster Session 86 – B0104)

Kulp M, Morrison A, Mitchell GL, Scheiman M, Cotter S, Jenewein E, Borsting E, Hertle R, Bade A
One-year Outcome in a Randomized Clinical Trial of Treatment for Symptomatic Convergence Insufficiency in Children (CITT-ART)
(Poster Session 86 – B0098)

Liu J, Kwok S, Pan X, Hendershot A
Keratoconus corneas deform more than normal corneas in response to the ocular pulse
(Poster Session 94 – B0429)

Liu M, Toris C, Reed D, Sit A, Kazemi A, Gulati V, Fan S, Baskin R, Moroi SE
Analyzing Intraocular Pressures Outside Clinic Hours to Understand Variations in Glaucoma Drug Response
(Poster Session 83 – B0018)

Mangel S, Goel M, Choi H
Role of circadian clock-controlled increase in GABA inhibitory feedback to cones at night
(Poster Session 92 – B0364)

Morrison A, Kulp M, Ciner E, McDaniel C, Mitchell GL, Allison C, Block S, Granet D, Hertle R, Moore B, Orel-Bixler D, Roberts T, Robbins S, Peterseim M, Srinivasan G, Ying G
Effect of Co-existing Clinical Signs on Prescribing Patterns for Pediatric Hyperopia
(Poster Session 86 – B0102)

Reed D, Kazemi A, Gulati V, Fan S, Sit A, Toris C, Moroi SE
Applying Estimation and Robust Methods to Compare the Intraocular Pressure Measured by Tonometers in the Eye Dynamics and Engineering Network (EDEN) Aqueous Humor Dynamics (AHD) Clinical Trial
(Poster Session 83 – B0016)

Schneider L, Mitchell GL, Marsack J, Anderson H
Visual acuity prediction based on refraction type for patients with Down syndrome
(Poster Session 87 – B0139)

Shelton E, Robich M, VanNasdale D
Assessing the association of social determinants of health on vision test provider types in the pediatric population using national health surveillance data
(Poster Session 85 – B0067)

Tamiya S, Bejarano S, McMillan J
Combined effects of substrate stiffness and growth factors on fibrosis associated changes of Müller glia cells
(Poster Session 90 – B0265)

Vandevenne M, Nuijts R, Boonstra A, Roberts CJ, Berendschot T
Stress distribution patterns in keratoconus eyes: longitudinal data
(Poster Session 94 – B0432)

Yu D, Perry L, Jaboune G, Lu Z, Kerwin T, Yang J
Visual functions under photopic, mesopic and glare Conditions in older drivers
(Poster Session 87 – B0130)

12:30pm – 12:45pm (CST)

1:30pm – 1:45pm (EST)

Allyn M, Palmer A, Tamiya S, Swindle-Reilly K
Treatment of Oxidative Stress in Primary Retinal Cells by Heme-Albumin as a Novel Therapeutic Approach for Age-Related Macular Degeneration
(Paper Session 74 – 1298)

3:15pm – 5:00pm (CST)

4:15pm – 6:00pm (EST)

Deffler R, Cooley San-San, Kohl H, Dougherty B
Visual field and hazard perception in bioptic drivers
(Poster Session 115 – B0119)

Dougherty B, Deffler R, Kohl H, Cooley San-San
Driving habits and hazard detection in bioptic drivers
(Poster Session 115 – B0120)

Ma Y, Reed D, Umphress G, Mast D, Bryant A, Klopfenstein B, Eid J, Rodd K, Costantine M, Moroi SE
Characterization of hypertensive vascular features in the retina of women with preeclampsia
(Poster Session 130 – C0437)

3:30pm – 3:45pm (CST)

4:30pm – 4:45pm (EST)

Jerome A, Sas A, Segal B
Generation of a novel population of neuro-regenerative neutrophils as a cellular therapy in a mouse model of optic nerve crush injury
(Paper Session 108 – 1920)

TUESDAY – 4/25

8:45am – 10:30am (CST)

9:45am – 11:30am (EST)

Gao XR, Chiariglione M, Wu F
Whole-Exome Sequencing and AI-Based Phenotyping Identify Rare Variants and Genes Associated with Vertical Cup-Disc Ratio
(Poster Session 151 – C0119)

Heisler-Taylor T, Hamadmad S, Martini D, Jeng Y, Swindle-Reilly K, Hill K, Phelps M, Cebulla CM
MIF targeted neuroprotection through human serum albumin nanoparticle drug delivery
(Poster Session 145 – B0339)

Song Z, Sloan L, Funk K, **Tamiya S**
Effect of N-oleoyl Dopamine on Myofibroblast
Trans-differentiation of Retinal Pigment Epithelial
Cells
(Poster Session 144 – B0305)

11:45am – 1:30pm (CST) 12:45pm – 2:30pm (EST)

Bryant A, Musaogullari A, **Reed D**, Mehta S, **Moroi SE**, **Adeli M**

Access to eye care in a volunteer comprehensive
clinic at an academic ophthalmology institution
(Poster Session 175 – C0189)

VanNasdale D, **Robich M**, **Shelton E**, **Jordan L**, Crews J
Assessing Health Literacy in Persons Reporting
Vision Impairment Using National Health
Surveillance Data
(Poster Session 174 – C0171)

3:30pm – 5:15pm (CST) 4:30pm – 6:15pm (EST)

Chung Y, **Toris C**, Vikas G, Fan S, Prausnitz M, Ethier CR
Hydrogel Expansion of the Suprachoroidal Space
Lowers IOP in Rabbit and Monkey Eyes
(Poster Session 195 – B0261)

Harthan J, Shornack M, Nau C, Shorter E, Nau A,
Patton K, **Fogt J**
Scleral lens design and patient-reported mid-day
fogging
(Poster Session 197 – B0356)

Hawthorn E, **Heisler-Taylor T**, **Hamadmad S**,
Bernstein K, **Goswami S**, **Summitt D**, **Cebulla CM**
Impact of Ibudilast on Morphology and Distribution
of Macrophages/Microglia in Avian Excitotoxic
Retinal Damage
(Poster Session 198 – B0409)

Nau C, Schornack M, Harthan J, Shorter E, Nau A,
Patton K, **Fogt J**
Evaluation of scleral lens surface, tear fluid reservoir
and eyelid health with reported mid-day fogging in
habitual scleral lens wearers
(Poster Session 197 – B0347)

Schornack M, Nau C, Shorter E, Nau A, Harthan J,
Patton K, **Fogt J**
Comparison of scleral lens fluid reservoir depth
between image-based measurements and
subjective estimates by experienced observers
(Poster Session 197 – B0345)

Shorter E, **Fogt J**, Nau C, Nau A, Harthan J,
Schornack M
Utilization of Diagnostic, Image-Guided and
Impression-Based Scleral Lenses Fitting for Patients
with Keratoconus
(Poster Session 197 – B0344)

Yoon H, Harthan J, Nau A, **Fogt J**, Nau C, Schornack,
Shorter E
Topographical Characteristics of Patients with Ocular
Surface Disease Successfully Fit in Custom Scleral Lenses
(Poster Session 197 – B0363)

5:00pm – 5:15pm (CST) 6:00pm – 6:15pm (EST)

Zadnik K, Schulman E, Flitcroft D, **Fogt J**, Blumenfeld L,
Fong T, Lang E, Hemmati H, Chandler S
Low-dose atropine for treatment of pediatric myopia
progression: a double-masked, placebo-controlled,
randomized trial of 3-year efficacy and safety
(Paper Session 189 – 3306)

WEDNESDAY– 4/26

10:30am – 12:15pm (CST) 11:30am – 1:15pm (EST)

Fogt J, Schornack M, Harthan J, Nau C, Nau A, Shorter E
Dry eye in patients with Sjogren's Disease
(Poster Session 221 – B0262)

Sas A, **Sepeda J**, **Jerome A**, **Atkinson J**
Alternatively activated neutrophils drive recruitment
and polarization of monocytes to stimulate axon
regeneration
(Poster Session 219 – B0192)

Walker M, Ticak A, **Bickle K**, **Robich M**, **Sinnott L**, **Chandler M**,
Fenton R, Queener H, Chiu S, Farsiu S, **Jordan L**, **Mutti D**,
Walline J, Berntsen D
Choroidal thickness and area over 3 years in the
Bifocal Lenses in Nearsighted Kids (BLINK) Study
(Poster Session 228 – C0023)

11:30am – 11:45am (CST) 12:30pm – 12:45pm (EST)

Walline J, Tomiyama E, **Sinnott L**, **Jordan L**, **Mutti D**,
Berntsen D
Phoria, Accommodative Lag, and Symptoms of Soft
Multifocal Contact Lens Myopia Control
(Paper Session 214 – 3824)

2:15pm – 4:00pm (CST) 3:15pm – 5:00pm (EST)

Hamadmad S, **Heisler-Taylor T**, **Abdel-Rahman M**, **Cebulla CM**
MIF promoter polymorphism correlation with VEGF
level in retinal detachment
(Poster Session 250 – B0225)

Kumar A, **Jayanathan V**, **Jagadeesha S**, **Biddle H**, **Paulk K**,
Prokhnevskiy J, **Malik E**, **Kerur N**
cGAS-driven responses in a mouse model of
oxidative retinal damage
(Poster Session 248 – B0037)

Roberts CJ, Mahmoud A, Fleming G

Comparison of elastic and viscoelastic biomechanical metrics in ocular hypertension and normal controls
(Poster Session 256 – C0251)

2:30pm – 2:45pm (CST)

3:30pm – 3:45pm (EST)

Hartwick A, Koziczkowski E

Enhanced Pupil Constriction Elicited by 6 Hz Flickering Light in Human Participants: Evidence for Cholinergic Pathway for ipRGC Stimulation
(Paper Session 241 – 4380)

3:30pm – 3:45pm (CST)

4:30pm – 4:45pm (EST)

Taylor O, Hawthorn E, Fischer A

Inhibitor of Differentiation Activity Regulates the Timing of Cell-Cycle Exit in Muller Glia-Derived Progenitors
(Paper Session 235 – 4343)

12:00pm – 12:15pm (CST)

1:00pm – 1:15pm (EST)

Xu G, Ni L, Krawczyk E, Warchock A, Kim W, **Moroi SE**, Alan A

Simultaneous measurement of strains of the aqueous veins and perilimbal sclera in porcine and human globes using photoacoustic microscopy and finite elements analysis
(Paper Session 274 – 5082)

THURSDAY – 4/27

8:00am – 9:45am (CST)

9:00am – 10:45am (EST)

Bernstein K, Heisler-Taylor T, Hamadmad S, Satoskar A, Cebulla CM

MIF Genetic Depletion Prevents Retinal Cell Death in Murine Excitotoxic Retinal Damage
(Poster Session 262 – B0259)

Nathe C, Rezaei K, **Scoville N**, McKay K, Feng S
Performance of a Handheld Ultrasound Device in Detecting Retinal Detachments
(Poster Session 269 – C0273)

10:30am – 12:15pm (CST)

11:30am – 1:15pm (EST)

Cijin J, Rennert R, Smolar A, Kedar S, **Reed D**, Dilks D, Ghate D

High-Level Visual Impairments and their Impact on Quality of Life in Glaucoma
(Poster Session 290 – C0187)

Ryan A, Landreth C, Cheung R, Artis E, Rex T, Racine J, Reilly M

An Electrophysiological Technique for the Diagnosis of TON in a Small Animal Model
(Poster Session 286 – B0217)

Yuhas P, Somerville M

Ganglion cell photoreceptor light adaptation in a model of repeated traumatic brain injury
(Poster Session 286 – B0225)