

SUNDAY – 5/5

Poster Session 8:00am - 9:45am (PST) 11:00am - 12:45pm (EST)

Boatman M, Walline J, Robich M, Jordan L, McDaniel C, Berntsen D, Walker M, Assaad J, Day E, Chandler M, Shaw K, Myers J, Mutti D

Seasonal variation in myopia control in the bifocal lenses in nearsighted kids (BLINK) study
(Exhibit Hall, Posterboard A0465)

Chandler H, Moradi S, Zhang L, Zhang Z, Madden C, Ghosh P, Zhu H, Swindle-Reilly K

Development and optimization of an ophthalmic hydrogel to promote corneal wound healing
(Exhibit Hall, Posterboard A0036)

Poster Session 1:00pm - 2:45pm (PST) 4:00pm - 5:45pm (EST)

Chaurasia S, Heisler-Taylor T, Hamadmad S, Zafari A, Shalash R, Martini D, Sohail M, Summitt D, Brumley C, Cebulla C

Establishing an in-vivo retinal edema model in the chick
(Exhibit Hall, Posterboard B0395)

Fan S, Xiang C, McGee T, Bigelow C, Prasanna G, Johnson N, Gulati V, Reid L, Toris C

Effect of long-term glaucoma on AAV retinal transduction
(Exhibit Hall, Posterboard B0089)

Gao R, Wu F, Rasel R, Chiariglione M

Enhancing glaucoma detection: Integrating deep learning with color fundus photos and polygenic risk score
(Exhibit Hall, Posterboard A0270)

Ryan A, Heisler-Taylor T, Reilly M

Therapeutic intervention in a glial stress correlated functional deficit small animal model of traumatic optic neuropathy
(Exhibit Hall, Posterboard B0404)

Paper Session 2:15pm - 2:30pm (PST) 5:15pm - 5:30pm (EST)

Zadnik K, Hemmati H, Fong T, Chandler S
NVK002 low-dose atropine 0.01% maintains myopia control during a fourth year of dosing and discontinuation does not cause rebound myopia progression
(Skagit 4, Arch Building, 428)

Poster Session 3:15pm - 5:00pm (PST) 6:15pm - 8:00pm (EST)

Lee S, Choi S, Meleppat R, Zawadzki R, Doble N
Development of multi-modal adaptive optics full-field partially confocal ophthalmoscopy/OCT system for human retinal imaging
(Exhibit Hall, Posterboard B0640)

Rasel R, Wu F, Chiariglione M, Gao R
Automated and interpretable glaucoma classification using deep learning and optical coherence tomography images
(Exhibit Hall, Posterboard A0219)

Roberts C, Ma Y, Mahmoud A, Ohr M, Letson A
Increased scleral stiffness in diabetes with retinopathy than in diabetes without retinopathy
(Exhibit Hall, Posterboard B0499)

Shelton E, VanNasdale D
Assessing county-level vision impairment (VI) prevalence by age and urbanization using the American community survey
(Exhibit Hall, Posterboard B0176)

Song Z, Funk K, Sloan L, Tanvir Md, Tamiya S
Effects of rimonabant on porcine retinal müller glial cells
(Exhibit Hall, Posterboard B0314)

Tanvir Md, Tasnim M, Tamiya S
Cell density alters growth factor response in cultured müller glia cells
(Exhibit Hall, Posterboard A0488)

Wu F, Rasel R, Yuhas P, Chiariglione M, Gao R
Automated vertical cup-to-disc ratio determination from fundus images for glaucoma detection
(Exhibit Hall, Posterboard A0226)

Yuhas P, Mahmoud A, Roberts C
Wave-score-dependent variation in measurements of intraocular pressure and of ocular biomechanical parameters
(Exhibit Hall, Posterboard B0498)

Paper Session 9:15am - 9:30am (PST) 12:15pm - 12:30pm (EST)

Reilly M
How does the lens determine its size and shape?
(609 Arch Building, 1479)

Poster Session 3:00pm - 4:45pm (PST) 6:00pm - 7:45pm (EST)

Abdel-Rahman M, Johansson P, Hussein M, Byrne L, Davidorf F, Hayward N, Cebulla C
Germline and somatic mutations in uveal melanomas recurring after eye preserving local treatments
(Exhibit Hall, Posterboard A0110)

Ahmadian S, Tadayon T, Cebulla C
The diagnostic and prognostic utility of fine needle aspiration biopsy for evaluating uveal melanomas
(Exhibit Hall, Posterboard A0085)

Chen Z, Kwok S, Pan M, Madhwala A, Pan X, Yang, H, Liu J
Characterizing lamina cribrosa and peripapillary sclera deformation using 3D ultrasound elastography
(Exhibit Hall, Posterboard A0421)

Dougherty B, Deffler R, Frazee E, Cooley S
Comparison of objective and subjective driving exposure measurements in bioptic drivers
(Exhibit Hall, Posterboard B0216)

MONDAY – 5/6

Poster Session 8:30am - 10:15am (PST) 11:30am - 1:15pm (EST)

Kruoch Z, Pathik A, Shelton E, Zimmerman A, Stephey E, Hunter M, Ng S, Downie L, Qureshi R
Multifaceted behavioral interventions may increase medication adherence in glaucoma: systematic review & metaanalysis
(Exhibit Hall, Posterboard B0252)

Mutti D, Sinnott L, Berntsen D, Jordan L, Walline J
Do past axial elongation and myopia progression predict the future? Results from the BLINK study (Exhibit Hall, Posterboard B0542)

Pan M, Chen Z, Pan X, Liu J
Effects of peripapillary sclera stiffening on optic nerve head deformation in a porcine eye model (Exhibit Hall, Posterboard A0429)

Reidy M, Queener H, Mutti D
Extended B-scan ultrasound for the assessment of Peripheral ocular shape (Exhibit Hall, Posterboard B0562)

Swingle-Fogt J, Nau C, Harthan J, Shorter E, Nau A, Patton K, Schornack M
The role of scleral lens properties and solution use in midday fogging (Exhibit Hall, Posterboard B0508)

Wagle B, Pandit K, Timilsina A, Neupane B, Reed D, Zhang X
Comparing lumbar puncture opening pressure and optic nerve head height measured by an artificial intelligence in idiopathic intracranial hypertension patients (Exhibit Hall, Posterboard A0290)

Xu G, Ni L, Warchock A, Kim W, Moroi S, Argento A
Measurement of aqueous outflow volume rate using photoacoustic microscopy (Exhibit Hall, Posterboard A0412)

TUESDAY – 5/7

Poster Session 8:30am - 10:15am (PST) 11:30am - 1:15pm (EST)

Cline M, Reilly M
Multimodal assay of lens biomechanical properties (Exhibit Hall, Posterboard B0530)

Nau C, Harthan J, Nau A, Swingle-Fogt J, Schornack M, Shorter E
Ocular graft-versus-host disease: patient perspective (Exhibit Hall, Posterboard A0103)

Rich W, Wang T, Turkoglu A, Yan P, Reilly M
Induced murine lens stretching alters cellular RNA expression (Exhibit Hall, Posterboard B0528)

Shorter E, Schornack M, Swingle-Fogt J, Nau A, Harthan J, Nau C
Depression, disease and dry eye (Exhibit Hall, Posterboard A0089)

Tamiya S, Hourani S, Jagatheesan G
TRPV4 is involved in myofibroblast transdifferentiation of retinal pigment epithelial cells (Exhibit Hall, Posterboard A0451)

Zhou J, Toris C, Reed D, Sit A, Fan S, Kazemi A, Gulati V, Moroi S
Applying cosinor to characterize glaucoma drug washout on IOP measured by iCare HOME (Exhibit Hall, Posterboard A0448)

Paper Session 8:45am - 9:00am (PST) 11:45am - 12:00noon(EST)

Li HL, Fan S, Toris C, Gong H
Segmental uveoscleral outflow and its relationship with trabecular outflow in monkey eyes (Yakima 1, Arch Building, 2816)

Paper Session 9:45am - 10:00am (PST) 12:45pm - 1:00pm (EST)

Chiariglione M, Rasel R, Wu F, Gao R
Retinal nerve fiber layer polygenic risk score is associated with glaucoma and improves its prediction (6A Arch Building, 2767)

Poster Session 1:15pm - 3:00pm (PST) 4:15pm - 6:00pm (EST)

Choi S, Johnson D, Ohr M, Doble N
In vivo imaging of the outer retina after an Autologous neurosensory retinal free flap transplantation (Exhibit Hall, Posterboard A0311)

Jayanathan V, Heisler-Taylor T, Kumar A, Sanz E, Kerur N
Artificial intelligence (AI)-based quantification of vascular lesions in fundus fluorescein angiography (Exhibit Hall, Posterboard B0437)

Orge F, Salem Z, Toris C
Development of FORGE, a new glaucoma drainage device (Exhibit Hall, Posterboard B0102)

Wu YH, Yu D, Goldstein J, Kwon M, Gobeille R, Watson E, Waked L, Gage R, Wang C, Legge G
Screening questions to identify visual impairment and legal blindness (Exhibit Hall, Posterboard A0229)

Paper Session 1:45pm - 2:00pm (PST) 4:45pm - 5:00pm (EST)

Andrew M, Zimmerman A, Bailey M
Contact lens adverse events and corneal sagittal depth (615 Arch Building, 3294)

Poster Session 3:30pm - 5:15pm (PST) 6:30pm - 8:15pm (EST)

Mangel S, Goel M
Circadian clock regulation of GABA_A receptor trafficking in cone synaptic terminals (Exhibit Hall, Posterboard A0403)

Wang D, Chen C, Mendel T
Impact of systemic corticosteroids following scleral buckling repair of retinal detachment on surgical outcomes and pain management (Exhibit Hall, Posterboard B0130)

Paper Session 4:15pm - 4:30pm (PST) 7:15pm - 7:30pm (EST)

Sas A, Finn J, Sepeda J, Renner P, Jerome A
Age related changes impair neutrophil plasticity and regeneration after optic nerve trauma (Yakima 1, Arch Building, 3883)

WEDNESDAY – 5/8

Poster Session 10:30am - 12:15pm (PST) 1:30pm - 3:15pm (EST)

Jansen P, Jeter M, Ghosh P, Deshmukh V, Roberts C, Swindle-Reilly K
3D Bioprinting of Silk Fibroin and Gelatin Composite Bioinks for Corneal Applications
(Exhibit Hall, Posterboard A0193)

Paper Session 10:45am - 11:00am (PST) 1:45pm - 2:00pm (EST)

Kizhatil K, Clark G
Primary cilia and aqueous humor outflow
(6A Arch Building, 4261)

Paper Session 12:00pm - 12:15pm (PST) 3:00pm - 3:15pm (EST)

Cebulla C, Byrne L, Schreiner E, Davidorf F, Abdel-Rahman M
Frequent germline alterations in uveal melanoma patients referred for genetic counseling
(608 Arch Building, 4279)

Poster Session 2:15pm - 4:00pm (PST) 5:15pm - 7:00pm (EST)

Allyn M, Tamiya S, Palmer A, Swindle-Reilly K
Protection of retinal cells against proliferative vitreoretinopathy after ocular trauma
(Exhibit Hall, Posterboard A0350)

Derick A, Kishi A, Namenyi Z, Toris C, Reed D, Fan S, Sit A, Gulati V, Kazemi A, Moroi S
Advancing precision in outflow facility calculations
(Exhibit Hall, Posterboard A0434)

Helmy N, Reed D, Toris C, Sit A, Kazemi A, Gulati V, Fan S, Moroi S
Glaucoma drug response variations: description of a multi-center study of aqueous humor dynamic phenotypes in glaucoma
(Exhibit Hall, Posterboard A0436)

Jerome A, Sas A, Segal B
Human derived immature myeloid cells as a cellular therapy in a model of optic nerve crush injury
(Exhibit Hall, Posterboard A0285)

Kulp M, Ciner E, Mitchell G, Ying G, Morrison A, Granet D, Roberts T, Peterseim M, Candy T, Allison C, Block S, Moore B, Bixler D, Robbins S, Srinivasan G
Prescribing patterns for children with astigmatism
(Exhibit Hall, Posterboard B0045)

Liu J, Zhang H, Chen Z, Pan M
A prototype 3D ultrasound system for in vivo imaging and volume reconstruction of the posterior sclera
(Exhibit Hall, Posterboard B0665)

Ma Y, Kwok S, Liu J, Moroi S
Characterizing uveoscleral outflow from high-frequency ultrasound imaging in humans
(Exhibit Hall, Posterboard A0443)

Morrison A, Sinnott L, Mutti D
Peripheral refraction profiles of highly farsighted 3-month-old infants enrolled in a randomized clinical trial of early refractive correction
(Exhibit Hall, Posterboard B0070)

Namenyi Z, Toris C, Derick A, Kishi A, Helmy N, Fan S, Reed D, Sit A, Kazemi A, Gulati V, Moroi S
Comparing aqueous flow in glaucoma cases by fluorophotometry versus phneumatography
(Exhibit Hall, Posterboard A0444)

Plaumann M, Marsack J, Anderson H
Comparison of logVSX after refractive correction between individuals with and without down syndrome
(Exhibit Hall, Posterboard B0512)

Sanz E, Jayanathan V, Kumar A, Kerur N
Unveiling the proangiogenic role of telomerase components in experimental choroidal neovascularization
(Exhibit Hall, Posterboard A0047)

Schneider L, Marsack J, Manny R, Anderson H
Comparison of unaided and aided visual acuity in adults with down syndrome
(Exhibit Hall, Posterboard B0511)

THURSDAY – 5/9

Poster Session 8:00am - 9:45am (PST) 11:00am - 12:45pm (EST)

Kishi A, Gu H, Reed D, Umphress G, Mast D, O'Brien S, Zack V, Russo J, Bartholomew A, Dhanireddy S, Eid J, Rood K, Constantine M, Moroi S, Ma Y
Detecting hypertensive vascular features in retina images in preeclampsia
(Exhibit Hall, Posterboard B0544)

VanNasdale D, Robich M, Shelton E, Jordan L, Crews J
Assessing social determinant risk factors in persons reporting vision impairment using national health surveillance data
(Exhibit Hall, Posterboard B0663)

Poster Session 11:45am - 1:30pm (PST) 2:45pm - 4:30pm (EST)

Fogt N, Deffler R, Brunstetter T, Taiym W, Swingle-Fogt J
Assessment of a google-based visual field device
(Exhibit Hall, Posterboard B0618)

Yu D, Perry L
Effect of glare on mesopic contrast sensitivity function
(Exhibit Hall, Posterboard B0606)



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