

**SUNDAY – 5/1****2:15pm – 4:15pm (EDT)      12:15pm – 2:15pm (MDT)**

Berntsen D, Sinnott L, Gostovic A, Chandler M, Giannoni A, Orr D, Walker M, Jordan L, Walline J, Mutti D  
Pupil Size and Myopia Progression in the Bifocal Lenses In Nearsighted Kids (BLINK) Study (Poster Session – A0096)

**3:14pm – 3:32pm (EDT)      1:14pm – 1:32pm (MDT)**

**Roberts CJ**  
The biomechanics of keratoconus and crosslinking (Minisymposium Talk – 702/704/706)

**4:45pm – 6:45pm (EDT)      2:45pm – 4:45pm (MDT)**

Fogt J, Emerson A, James O, Kraemer W, Fogt N  
Oculomotor characteristics of video game players (Poster Session – Virtual)

Ryan A, Racine J, Reilly M  
Diagnostic Electrophysiology in a Small Animal Model of Traumatic Optic Neuropathy (TON) (Poster Session – F0397)

**7:15pm – 7:32pm (EDT)      5:15pm – 5:32pm (MDT)**

Deffler R, Cooley SS, Raasch T, Dougherty B  
Hazard perception in bioptic drivers (Paper Session – 4CD Mile High Blrm)

**MONDAY – 5/2****12:00pm – 2:00pm (EDT)      10:00am – 12:00pm (MDT)**

Sosnowik S, Swain D, Liu N, Fan S, **Toris C**, Gong H  
Decreased Coverage and Thickness of the Endothelial Glycocalyx in the Trabecular Outflow Pathway of Monkey Eyes with Laser-Induced Ocular Hypertension (Poster Session – F0102)

**Ohr M, Adeli M, Begley K, Kopechek K, Cefalu M, Challa N, Whitmeyer M, Matsa E, Fulton J, Hatala K, Hanson Z**  
Barriers to Follow-up After Teleretinal Screening for Diabetic Retinopathy at a Primary Care Site in an Academic Setting (Poster Session – A0120)

**5:00pm – 7:00pm (EDT)      3:00pm – 5:00pm (MDT)**

Shelton E, Robich M, VanNasdale D  
Assessing the role of social determinants of health in children receiving a vision test using national data from the National Survey of Children's Health (Poster Session – A0182)

**5:51pm – 6:08pm (EDT)**

**Taylor O, Fischer A**  
Sphingosine 1 Phosphate Signaling Enhances NF-kB Activation and Suppresses Muller Glia Reprogramming in the Injured Retina (Paper Session – 2B/3B Mile High Blrm)

**3:51pm – 4:08pm (MDT)****TUESDAY – 5/3****12:30pm – 2:30pm (EDT)**

**Abdel-Rahman M, Johansson P, Davidorf F, Hayward N, Cebulla CM**  
Germline MBD4 variants in uveal melanoma patients (Poster Session – A0023)

**Bruner C, Mahmoud A, Roberts CJ**  
Cone location and corneal stiffness in keratoconus (Poster Session – Virtual)

**Cotten K, Roberts CJ, Mahmoud A, Slabaugh M**  
Evaluating the Effect of Lens Status on Corneal and Ocular Biomechanical Parameters in Open Angle Glaucoma (Poster Session – A0189)

**Harvey D, Roberts CJ, Mahmoud A, Fleming G**  
Comparisons of Biomechanical Metrics between eyes of patients with Asymmetric Glaucoma and Symmetric Glaucoma (Poster Session – A0187)

Klimo K, Stern-Green E, Day E, Shelton E, Jordan L, Robich M, Racine J, McDaniel C, VanNasdale D, Yuhas P  
Characterizing the structure and the function of the inner retina in non-athletes with multiple traumatic brain injuries (Poster Session – F0491)

**Knoll K, Roberts CJ, Mahmoud A, Yuhas P, Hendershot A**  
Comparison of Stress Distribution Patterns in Keratoconus and Healthy Eyes (Poster Session – A0190)

**Roberts CJ, Fleming G, Mahmoud A**  
Comparison of elastic and viscoelastic biomechanical metrics in primary open angle glaucoma and normal controls (Poster Session – A0191)

**Salmans T, Ansari A, Byrne L, Davidorf F, Cebulla CM, Abdel-Rahman M**  
Clinical Phenotype and Genetics of Familial Uveal Melanoma (Poster Session – Virtual)



3:00pm – 5:00pm (EDT)    1:00pm – 3:00pm (MDT)

**Kerur N, Banerjee D, Kumar A, Biddle D**  
 Innate Immune Mechanisms in Oxidative Retinal Damage  
 (Poster Session – F0414)

**Kwok S, Ma Y, Pan X, Liu J**  
 IOP-related Mechanical Deformation is Concentrated in the Anterior Optic Nerve Head and Peripapillary Sclera  
 (Poster Session – A0091)

**Ma Y, Letson A, Ohr M, Roberts CJ**  
 Multi-dimensional quantification of diabetic retinopathy early detection  
 (Poster Session – F0070)

**Pan M, Kwok S, Liu J**  
 Factors influencing chorioretinal biomechanical responses to IOP  
 (Poster Session – Virtual)

**Tamiya S, Jagatheesan G**  
 Rho effector Arp2/3 is involved in myofibroblast transdifferentiation of retinal pigment epithelial cells  
 (Poster Session – F0418)

**Bastia E, Toris C, Fan S, Brambilla S, Galli C, Boyer J, Impagnatiello F**  
 NCX 470, a nitric oxide (NO)-donating prostaglandin analog, elicits sustained IOP-lowering and modifies aqueous humor dynamic in non-human primates  
 (Poster Session – Virtual)

5:30pm – 7:30pm (EDT)    3:30pm – 5:30pm (MDT)

**Buma S, Madhan N, Ma Y, Mahmoud A, Fleming G, Roberts CJ**  
 Comparing Bruch's Membrane Opening, Intraocular pressure, and Pulsatile Ocular Blood Volume when in sitting and supine positions in Glaucomatous and Non-Glaucomatous eyes  
 (Poster Session – F0127)

**Heisler-Taylor T, Urbanski E, Hamadmad S, Landreth C, Wilson H, Racine J, Cebulla CM**  
 MIF inhibition improves retinal function in NMDA medicated excitotoxic damage  
 (Poster Session – F0455)

**Kalavar M, Watane A, Prashanth I, Cavuoto K, Haller J, Sridhar J**  
 Effect of the SARS-CoV-2 (COVID-19) Pandemic on Authorship Gender Disparities in the Ophthalmology Literature  
 (Poster Session – A0175)

**Madhan N, Buma S, Ma Y, Mahmoud A, Fleming G, Roberts CJ**  
 In Vivo Relationship of Corneal and Scleral Stiffness with Bruch's Membrane Opening Minimum Rim Width in Glaucomatous versus Non-Glaucomatous Eyes  
 (Poster Session – F0119)

**Sit A, Toris C, Gulati V, Kazemi A, Gilbert J, Fan S, Reed D, Moroi SE**  
 Method for Objective Grading of Tonography Tracings  
 (Poster Session – A0399)

**VanNasdale D, Clark C, Shelton E, Crews J**  
 Mathematical Modeling of Geographic Disparities in Vision Impairment and Machine Learning Predictive Capabilities Using National Health Surveillance Data  
 (Poster Session – A0181)

**WEDNESDAY – 5/4**

12:00pm – 2:00pm (EDT)    10:00am – 12:00pm (MDT)

**Chandler H, Jiang Q, Tan T, Zhu H**  
 MG53 Maintains Limbal Epithelial Cells to Promote Corneal Regeneration  
 (Poster Session – A0202)

2:30pm – 4:30pm (EDT)    12:30pm – 2:30pm (MDT)

**Gao XR, Chiariglione M, Arch A**  
 Exome analysis identifies novel genes associated with intraocular pressure in the UK Biobank cohort  
 (Poster Session – Virtual)

**Musaogullari A, Roberts CJ, Toris C, Gilbert J, Reed D, Gulati V, Sit A, Moroi SE**  
 Non-invasive assessment of pulsatile ocular blood volume demonstrates a decrease in the supine position in healthy subjects  
 (Poster Session – Virtual)

5:17pm – 5:34pm (EDT)    3:17pm – 3:34pm (MDT)

**Liu J, Kwok S, Pan X, Hendershot A, Liu W**  
 High-frequency ultrasound detects biomechanical weakening in keratoconus with a decreasing stiffness at higher grades  
 (Paper Session – 2A/2B Mile High Blrm)

\*Authors / Co-Authors in Red are associated with The Ohio State University / The College of Medicine