SUNDAY – 5/1

2:15pm – 4:15pm (EDT)        12:15pm – 2:15pm (MDT)
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)

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 Birm)

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 – F0397)

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)        3:51pm – 4:08pm (MDT)
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 Birm)

TUESDAY – 5/3

12:30pm – 2:30pm (EDT)       10:30am – 12:30pm (MDT)
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)

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)

MIF inhibition improves retinal function in NMDA mediated excitotoxic damage
(Poster Session – F0455)

Kalavar M, Watane A, Prashanthi 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)

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, Chiariiglione 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)

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