

In This Issue: July 2025

Research

ORIGINAL INVESTIGATION

543 Short-Term Ocular Biometric Changes as Predictors of Long-Term Angle Closure Progression

KL Hong and Coauthors

This cohort study examines data for participants from the Zhongshan Angle Closure Prevention randomized clinical trial to determine whether 18-month ocular biometric changes noted on anterior segment optical coherence tomography could predict progression from primary angle closure suspect to primary angle closure.

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553 Utility of Swept-Source Anterior-Segment OCT as an In-Office Biomarker for Early Childhood Glaucoma

S Kaushik and Coauthors

This comparative study evaluates the use of swept-source anterior-segment optical coherence tomography (OCT) in confirming or excluding a diagnosis of early-onset childhood glaucoma in infants.

Invited Commentary 560

562 Detection and Characterization of RB1 Mosaicism in Patients With Retinoblastoma Receiving cfDNA Test

C Gao and Coauthors

This cross-sectional study identifies and characterizes RB1 mosaicism in patients with retinoblastoma using a clinical assay that combines plasma cell-free DNA (cfDNA) testing and buffy coat genomic DNA testing.

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570 Visual Acuity and Complications at Age 7 Years Following Bilateral Secondary Intraocular Lens Implantation at 2 to Younger Than 6 Years for Pediatric Aphakia

K Hu and Coauthors

This cohort study analyzes differences in visual acuity (VA) and complication rates among children with bilateral aphakia who underwent secondary intraocular lens implantation at different ages.

Invited Commentary 577

579 Malignant Transformation of Choroidal Indeterminate Melanocytic Tumors

AD Singh, Y Weinberger, and EC Zabor

This cohort study investigates if the predicted risk of malignant transformation of choroidal nevus is accurate.

587 Glucagon-Like Peptide-1 Receptor Agonists and Risk of Neovascular Age-Related Macular Degeneration

R Shor and Coauthors

This cohort study conducted in Ontario, Canada, evaluates the risk of developing neovascular age-related macular degeneration associated with the use of glucagon-like peptide-1 receptor agonists in patients with diabetes.

Invited Commentary 594

597 Fundus Refraction Offset as an Individualized Myopia Biomarker

F Yii and Coauthors

This cross-sectional study evaluates the use of fundus refraction offset as a potential biomarker for myopia.

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BRIEF REPORT

608 Diagnosis of Primary Open-Angle Glaucoma and Mental Health Status

MO Gordon and Coauthors

for the Ocular Hypertension Treatment Study Group

This cohort study examines whether a diagnosis of primary open-angle glaucoma in patients with ocular hypertension is associated with a decrease in mental health.

Invited Commentary 612

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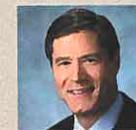
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612 Appreciating the Role of Mental Health in Glaucoma Diagnosis and Care

G McGwin Jr and C Owsley

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Clinical Review & Education

OPHTHALMIC IMAGES

String of Pearls of the Eyelid in a Child Aged 9 Years

GU Sawatkar, K Singh, and A Prakashy

This case report describes a diagnosis of lipid proteinosis in a child aged 9 years who presented with atrophic facial scars and beaded papules along the eyelid margins bilaterally.

Available online
CME

Takayasu Arteritis on Ultra-Widefield Imaging

M Sharma, B Tigari, and R Singh

This case report discusses a diagnosis of Takayasu retinopathy in a female aged 18 years who presented with a recent diagnosis of systemic Takayasu arteritis stage IIa.

Available online
CME

Triamcinolone Acetonide-Wrapped Silicone Oil in the Anterior Chamber

K Zhu and Y Gu

This case report discusses a diagnosis of a silicone oil bubble encased in triamcinolone acetonide in the anterior chamber of a patient who underwent retinal detachment repair and silicone oil removal 3 months before presentation.

Available online
CME

Lung Adenocarcinoma With Metastasis to Extraocular Muscle

H Si, L Tang, and W Xiao

This case report describes a diagnosis of metastatic adenocarcinoma of the extraocular muscle in a 38-year-old man with previously resected lung adenocarcinoma who presented with a 1-month history of redness and pain in the right eye.

Available online
CME

Letters

OBSERVATION

614 Bilateral Central Retinal Artery Occlusion After Paclitaxel in Breast Cancer

HH Jain and Coauthors

This case report discusses development of central retinal artery occlusion in a patient undergoing chemotherapy for biopsy-proven stage 3 breast cancer with paclitaxel.

COMMENT & RESPONSE

Artificial Intelligence–Based Detection of Diabetic Retinopathy

615 F Lum

In Reply

616 SA Shah, P Mruthyunjaya, and R Parikh

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