

## In This Issue: August 2023

### Research

#### ORIGINAL INVESTIGATION

##### 705 Complications Occurring Through 5 Years Following Primary Intraocular Lens Implantation for Pediatric Cataract

KG Yen and Coauthors

for the Pediatric Eye Disease Investigator Group

This cohort study describes complication incidence after pediatric lensectomy and intraocular lens implantation and their association with age at surgery and lens location.

Invited Commentary 714

##### 716 Prognostic Value of Parenteral Nutrition Duration on Risk of Retinopathy of Prematurity: Development and Validation of the Revised DIGIROP Clinical Decision Support Tool

A Pivodic and Coauthors

This prognostic study evaluates the prognostic value of parenteral nutrition duration on retinopathy of prematurity; updates and validates the DIGIROP 2.0 prescreen and screen prediction models to include all ROP-screened infants regardless of gestational age and incorporate parenteral nutrition duration; and compares the DIGIROP model with the WINROP and G-ROP models.

Invited Commentary 725

##### 727 Social Risk Factor Associations With Presenting Visual Acuity in Patients With Microbial Keratitis

PM Hicks and Coauthors

This cross-sectional study investigates the association of neighborhood-level social risk factors with worse-presenting best-corrected visual acuity in patients with microbial keratitis infections.

Invited Commentary 735

##### 737 Association of Risk Variants in the CFH Gene With Elevated Levels of Coagulation and Complement Factors in Idiopathic Multifocal Choroiditis

EL de Groot and Coauthors

This case-control study investigates the genes and pathways associated with the pathophysiology of idiopathic multifocal choroiditis.

Invited Commentary 745

##### 747 Prevalence of Diabetic Retinopathy in the US in 2021

EA Lundeen and Coauthors

This study attempts to update estimates of diabetic retinopathy and vision-threatening diabetic retinopathy prevalence by demographic factors and US county and state.

Invited Commentary 754

##### 756 Low-Dose 0.01% Atropine Eye Drops vs Placebo for Myopia Control: A Randomized Clinical Trial

MX Repka and Coauthors

for the Pediatric Eye Disease Investigator Group

This randomized clinical trial investigates if low-dose atropine, 0.01%, eye drops delivered nightly over a 2-year period can slow the progression of myopia in children aged 5 to 12 years in the US.

Invited Commentary 766

Visual Abstract | Audio

##### 768 Assessment of Ocular Deformation in Pathologic Myopia Using 3-Dimensional Magnetic Resonance Imaging

N Luo and Coauthors

This study attempts to assess global ocular deformation in pathologic myopia.

Invited Commentary 774

##### 776 Evaluating Access to Laser Eye Surgery by Driving Times Using Medicare Data and Geographical Mapping

J Shaffer and Coauthors

This cohort study compares patient access to laser surgery eye care by estimated travel time and 30-minute proximity to an optometrist or to an ophthalmologist.

Invited Commentary 784

#### BRIEF REPORT

##### 786 Objectively Measured Visual Impairment and Dementia Prevalence in Older Adults in the US

OJ Killeen, Y Zhou, and JR Ehrlich

This survey study estimates the association between visual impairment and dementia in older US adults based on objective visual and cognitive function testing.

Invited Commentary 790

Online at  
[JAMA Ophthalmology.com](https://www.jamaophthalmology.com)

#### AUDIO

Low-Dose 0.01% Atropine Eye Drops vs Placebo for Myopia Control

#### CME

CME online at  
[jamacmelookup.com](https://www.jamacmelookup.com)

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#### DEPARTMENTS

Staff Listing 704

Contact Information 808



Editor in Chief  
Neil M. Bressler, MD



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Opinion

INVITED COMMENTARY

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Y Liu

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G Binenbaum

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**735 Taking Steps to Advance Health Equity in Ophthalmology**

CX Cai, FA Woreta, and DC Crews

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EJ Rossin and L Sobrin

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**766 Atropine, 0.01%, for Myopia Control**

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**774 Evaluating the Entire Shape of the Eye With Pathologic Myopia**

K Ohno-Matsui

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**784 Beyond Accessibility in Exploring Access to Eye Care to Achieve Vision Health Equity**

PM Hicks, AO Asare, and MA Woodward

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**790 Internequine Impairments**

S West

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**800 Exploring the Test-Taking Capabilities of Chatbots—From Surgeon to Sommelier**

MA Chia and PA Keane

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Available online

jamaophthalmology.com

Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

**792 Sudden-Onset Bilateral Mydriasis in a Young Girl**

DS Shaath, AF Scheidt, and HA Stiff

A 3-year-old girl presented to the emergency department with 1 day of abnormal gait and bilateral mydriasis. Repeat magnetic resonance imaging demonstrated diffuse enhancement of the lower thoracic and cauda equina nerve roots and enhancement of the left oculomotor nerve.

Available online CME

**794 "Retinal Vasculitis" With Bilateral Retinal Detachments**

M Kalra, H-U Hua, and SK Srivastava

A 68-year-old man with a history of B-cell lymphoma and active renal cell carcinoma, receiving cabozantinib therapy, presents with worsening hazy vision in the right eye after retinal detachment repair of the left eye. What would you do next?

Available online CME

OPHTHALMIC IMAGES

**Presumed Autoimmune Pigmented Paravenous Retinochoroidal Atrophy in a Female Patient Aged 69 Years**

C Costa and JP Marques

This case report describes a diagnosis of presumed autoimmune pigmented paravenous retinochoroidal atrophy in a 69-year-old patient who presented with slowly progressive vision loss and nyctalopia.

Available online CME

**Live Larva in Ocular Toxocariasis**

S Geadá, C Fonseca, and R Proença

This case report describes a finding of a live larva in a patient with a previous diagnosis of ocular toxocariasis.

Available online CME

**Hypotony Maculopathy Associated With Extruded Fluocinolone Acetonide Intraocular Implant**

M Soifer, R Leite, and S Kodati

This case report discusses a diagnosis of hypotony maculopathy associated with extrusion of a fluocinolone intraocular implant in a patient who presented with painless, decreased vision in the right eye.

Available online CME

**Narrow Angle Associated With an Iris Cavemous Hemangioma**

X Xiong, Z Jiang, and Y Yang

This case report discusses a diagnosis of iris cavernous hemangioma in a woman aged 63 years who presented with recurrent pain, redness, and hazy vision in her left eye.

Available online CME

Letters

RESEARCH LETTER

**796 Forecasting Retirement in Pediatric Ophthalmology**

AA Ali and Coauthors

This cross-sectional study uses a forecasting model to assess the potential loss of pediatric ophthalmology care in the US due to potential ophthalmologist retirement.

**798 Performance of an Upgraded Artificial Intelligence Chatbot for Ophthalmic Knowledge Assessment**

A Mihalache and Coauthors

This cross-sectional study assesses the accuracy of answers generated by an updated version of a popular chatbot to board certification examination preparation questions.

Invited Commentary 800

OBSERVATION

**801 Extrascleral Extension of Uveal Melanoma Along Intraocular Needle Tracts Associated With Periodic Anti-Vascular Endothelial Growth Factor Therapy for Neovascular Age-Related Macular Degeneration**

H Vongsachang and Coauthors

This case report describes a 94-year-old man who was seen for evaluation of a left choroidal mass after receiving periodic anti-vascular endothelial growth factor (anti-VEGF) therapy for neovascular age-related macular degeneration.

COMMENT & RESPONSE

**Photoreceptor Misalignment Contributes to Imaging Features During Acute Macular Neuroretinopathy**

803 M Paques and S Mrejen

In Reply

803 S Kadomoto, Y Muraoka, and A Tsujikawa

**American Academy of Ophthalmology Clinical Practice Guidelines and Financial Disclosures—Where Is the Money Going?**

804 SA Tinsley, MJ Davis, and F Abdollah

In Reply

805 AX-L Nguyen, M Joly-Chevrier, and AY Wu