

## In This Issue: January 2023

### Research

#### ORIGINAL INVESTIGATION

**13 Associations of Alzheimer Disease–Protective APOE Variants With Age-Related Macular Degeneration**  
KL Rasmussen and Coauthors

This cohort study assesses genetic variations of APOE in association with risk of age-related macular degeneration.

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**24 Perceptions of Parental Leave Among Ophthalmologists**

K Kalra, TV Delaney, and LR Dagj Glass

This survey study evaluates perceptions of current parental leave policy and culture among posttraining North American ophthalmologists.

Invited Commentary 31

**33 Association Between Rate of Ganglion Cell Complex Thinning and Rate of Central Visual Field Loss**

G Mahmoudinezhad and Coauthors

This cohort study analyzes whether the rate of macular ganglion cell complex thinning is associated with the rate of central visual field loss over time in adults with glaucoma.

**40 Association of Treatment Type and Loss to Follow-up With Tractional Retinal Detachment in Proliferative Diabetic Retinopathy**

JC Tsui, Y Yu, and BL VanderBeek

This case-control study investigates the association of tractional retinal detachment in proliferative diabetic retinopathy with intravitreal injections compared with other treatment regimens.

Invited Commentary 46

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**48 Estimating the Length of the Preclinical Detectable Phase for Open-Angle Glaucoma**

J Aspberg, A Heijl, and B Bengtsson

This cohort study estimates the mean preclinical detectable phase for open-angle glaucoma.

Invited Commentary 55

Journal Club Slides

Available online

jamaophthalmology.com

**56 Longitudinal Use of Telehealth During the COVID-19 Pandemic and Utility of Asynchronous Testing for Subspecialty-Level Ophthalmic Care**  
A Mosenia and Coauthors

This quality improvement study compares telehealth use during the COVID-19 pandemic across clinical specialties at a single institution and assesses the feasibility of asynchronous testing with teleophthalmology.

Invited Commentary 61

**63 Inequities and Research Gaps in Ophthalmology: A Scoping Review**

C Hemmerich and Coauthors

This scoping review examines patient inequities that have been assessed from 2016 to 2021 within the field of ophthalmology.

Invited Commentary 71

#### BRIEF REPORT

**73 Association of High Polygenic Risk With Visual Field Worsening Despite Treatment in Early Primary Open-Angle Glaucoma**

OM Siggs and Coauthors

This cohort study investigates the association of polygenic risk with visual field progression in early glaucoma.

#### Opinion

##### VIEWPOINT

**9 A Step Forward in Understanding Treatment Approaches for Diabetic Macular Edema**

JK Sun, CW Baker, and LM Jampol

##### EDITORIAL

**11 COP27 Climate Change Conference—Urgent Action Needed for Africa and the World**

L Atwoli and Coauthors

##### INVITED COMMENTARY

**22 Note the Nuance—Examining the Association of Alzheimer–Protective APOE Variation With Risk for Age-Related Macular Degeneration**

M Grunin, TG Kinzy, and JN Cooke Bailey

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**31 Clock Is Still Ticking on Stop-the-Clock Policies**

JA Haller

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

#### AUDIO

Association of Treatment Type and Loss to Follow-up With Tractional Retinal Detachment in Proliferative Diabetic Retinopathy

#### CME

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

**CME Disclosure Statement:** Unless noted, all individuals in control of content reported no relevant financial relationships. If applicable, all relevant financial relationships have been mitigated.

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Editor in Chief  
Neil M. Bressler, MD



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DB Glasser

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A Barrett-Young

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## Clinical Review & Education

### SPECIAL COMMUNICATION

#### 78 Monkeypox Virus and Ophthalmology—A Primer on the 2022 Monkeypox Outbreak and Monkeypox-Related Ophthalmic Disease

AR Kaufman, J Chodosh, and R Pineda II

This Special Communication reviews clinical information for the ophthalmologist regarding the ophthalmic manifestations of monkeypox virus and the 2022 disease outbreak.

### REVIEW

#### 84 Ocular Biomarkers for Alzheimer Disease Dementia: An Umbrella Review of Systematic Reviews and Meta-analyses

E Costanzo and Coauthors

This umbrella review assesses the diagnostic accuracy of ocular biomarkers for early diagnosis of Alzheimer disease.

Invited Commentary 91

### JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

#### 93 A Case of Unilateral Intraocular Pressure Elevation in a Patient With Glaucoma

KE Chavez, EA Cretara, and RE Davis

A 52-year-old man with a history of severe primary open-angle glaucoma in both eyes presented with an intraocular pressure above target in the left eye. A 24-2 Humphrey visual field showed new glaucoma progression. What would you do next?

#### 95 Acute Unilateral Proptosis After Blunt Orbital Trauma in an Adolescent Patient

AP Mai, EP Quigley III, and RP Harrie

A male patient aged 16 years with a recent history of blunt trauma to the periorbital area presented with blurred vision, pain, and proptosis of the right eye. MRI imaging revealed an intraconal mass. What would you do next?

#### 97 Seeing Blue Dots After COVID-19 Infection

HS D'Souza, PD Taylor, and TW Olsen

A 12-year-old female individual receives a diagnosis of SARS-CoV-2 and reports bilateral blurry vision, large blue paracentral scotomata, and a migraine without a scintillating scotoma. What would you do next?

### OPHTHALMIC IMAGES

#### 101 Congenital Common Canalicular Lacrimal Fistula in an Asymptomatic Patient

Y Gupta and MS Bajaj

This case report discusses a diagnosis of congenital common canalicular lacrimal fistula in a 24-year-old asymptomatic patient.

#### 102 Bilateral Tapetal Reflex in a 12-Year-Old Girl

S Mohan and S Suresh

This case report describes a diagnosis of Oguchi disease in a girl aged 12 years with a history of high myopia and golden-metallic tapetal sheen noted on bilateral retinal examination.

## Letters

### RESEARCH LETTER

#### 99 Hemorrhagic Occlusive Retinal Vasculitis Associated With Triamcinolone-Moxifloxacin Use During Uncomplicated Cataract Surgery

WW Pan and Coauthors

This case series describes the outcomes of cataract extraction with intraocular lens placement in 2 patients.

### OBSERVATION

#### 101 Acquired Nonpigmented Vitreous Cyst Associated With Regressed Diabetic Neovascularization

D Garcia-Davidson, GJ Wyhinny, and EG Valenzuela

This case report describes a 48-year-old man with acquired nonpigmented vitreous cyst associated with regressed diabetic neovascularization.

#### 102 Retinal Neovascularization in Posterior Polar Annular Choroidal Dystrophy

N Bommakanti, CG Besirli, and PY Zhao

This case report describes the development of posterior subcapsular cataract and retinal neovascularization in a patient with posterior polar annular choroidal dystrophy.

### COMMENT & RESPONSE

#### Social Conditions and the Rate of Severe Retinopathy of Prematurity Among a Diverse Cohort of Infants

104 BG Jastrzembski, D VanderVeen, and I Oke

Available online