

In This Issue: June 2025

Research

ORIGINAL INVESTIGATION

455 Race and Vision Outcomes in Ranibizumab-Treated Participants With Diabetic Macular Edema: A Meta-Analysis

MA Khan and Coauthors

This meta-analysis evaluates the impact of race on ranibizumab treatment in participants with diabetic macular edema.

462 Two-Year Outcomes of Phacogoniotomy vs Phacotrabeculectomy for Advanced Primary Angle-Closure Glaucoma With Cataract: A Noninferiority Randomized Clinical Trial

Y Song and Coauthors
for the PVP Study Group

This secondary analysis of the Phacogoniotomy vs Phacotrabeculectomy (PVP) randomized clinical trial investigates if intraocular pressure reduction with phacogoniotomy is noninferior to phacotrabeculectomy in advanced primary angle-closure glaucoma (PACG) with cataract.

Related Article 472
Invited Commentary 470
+ Visual Abstract

472 Peripheral Iridectomy With Goniosynechialysis and Goniotomy vs Trabeculectomy for Advanced PACG: A Randomized Clinical Trial

F Lin and Coauthors
for the TVG study group

This randomized clinical trial conducted at 8 tertiary eye centers in China investigates the safety and effectiveness at 1 year of surgical peripheral iridectomy with goniosynechialysis and goniotomy vs trabeculectomy in advanced primary angle-closure glaucoma (PACG) without cataract.

Related Article 462
+ Visual Abstract | Video

480 Cone Density Changes After Repeated Low-Level Red Light Treatment in Children With Myopia

X Liao and Coauthors

This cohort study investigates detectable changes in cone density after repeated low-level red light therapy to control myopia in children.

Invited Commentary 488

490 Gender Differences in Case Volume Among Ophthalmology Resident Graduates, 2014-2023

SM Culican and Coauthors

This cohort study assesses whether ophthalmology resident trainees who are underrepresented in medicine (URiM) reported equivalent surgical experiences to non-URiM trainees in the same cohort.

Invited Commentary 497
+ Audio

499 Noninfectious Intraocular Inflammation After Intravitreal Aflibercept

KE Binder and Coauthors

This case series analyzes data from patients given aflibercept, 2 mg, for neovascular age-related macular degeneration and diabetic macular edema to determine the incidence in clinical practice of intraocular inflammation.

+ Journal Club Slides

507 Characterization of Belantamab Mafodotin-Induced Corneal Changes in Patients With Multiple Myeloma

V Lee and Coauthors

This case series study characterizes corneal epithelial changes in patients with relapsed or refractory multiple myeloma treated with belantamab mafodotin, an antibody-drug conjugate.

Invited Commentary 515

BRIEF REPORT

517 Exploring Detection Methods for Synthetic Medical Datasets Created With a Large Language Model

A Taloni and Coauthors

This quality improvement study investigates the limits of generative artificial intelligence by using a large language model to create synthetic datasets and forensic analysis to identify statistical patterns that may suggest fabrication.

Invited Commentary 522

524 Human Papillomavirus and Thyroid Eye Disease

I Garg and Coauthors

This case-control study conducted among 22 patients at the Bascom Palmer Eye Institute in Miami, Florida, explores the potential involvement of viral infections in thyroid eye disease pathogenesis.

+ Online at
JAMAOphthalmology.com

+ AUDIO
Gender Differences in Case Volume Among Ophthalmology Resident Graduates, 2014-2023

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Editor in Chief
Neil M. Bressler, MD



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Opinion

INVITED COMMENTARY

470 Is Phacogoniotomy the Best Surgery for PACG and Cataract?

DS Friedman, G Gazzard, and PJ Foster

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488 Repeated Low-Level Red Light—More Than Meets the Eye?

JL Duncan

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497 Training Inequities in Ophthalmology—Insights From Educators

F Woreta, LK Green, and G Sun

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➤ Audio

515 Corneal Changes From Antibody-Drug Conjugates

LA Dalvin, MK Berkenstock, and ND Pasricha

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522 Scientific Data Fabrication and AI—Pandora's Box

H-U Hua

Related article 517

Clinical Review & Education

SPECIAL COMMUNICATION

529 Application of Artificial Intelligence to Deliver Healthcare From the Eye

RN Weinreb and Coauthors

This Special Communication discusses Healthcare From the Eye prescreening, a combination of artificial intelligence analysis of ocular data with automated technologies captured during routine eye examinations to transform health care delivery and improve early disease detection, improve access to care, and reduce costs.

➤ CME

OPHTHALMIC IMAGES

➤ Unveiling Subconjunctival Hemorrhage in Dengue Fever—Red Alert

R Mittal and C De

This case report describes bilateral subconjunctival petechial hemorrhages in a man aged 28 years who tested positive for dengue virus infection.

➤ CME

➤ Hypooleon and Hyperoleon After Retinal Detachment Repair

G Roig-Ferreruela, C Martínez-Gil, and E Palacios-Pozo

This case report describes a diagnosis of inverted hyperoleon in a patient who underwent retinal detachment repair using high-molecular-weight silicone oil.

➤ CME

➤ Corneal Toxicity Associated With Mirvetuximab

ML Turner and MT Nguyen

This case report discusses a diagnosis of corneal toxicity in a woman aged 74 years who presented with bilateral decreased visual acuity after receiving mirvetuximab infusions for metastatic ovarian cancer.

➤ CME

➤ Iris Ganglion Cell

TJ Cummings

This case report discusses the finding of a ganglion cell in the iris of an adult patient who underwent enucleation for uveal melanoma.

➤ CME

➤ Available online

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