

In This Issue: July 2024

Research

ORIGINAL INVESTIGATION

599 Longitudinal Trends and Disparities in Diabetic Retinopathy Within an Aggregate Health Care Network

J Markle and Coauthors

This cross-sectional study investigates the changes in prevalence of diabetic retinopathy from 2015 to 2022 among 93 million patients in the TriNetX platform.

Invited Commentary 607

609 Nationwide Prevalence of Inherited Retinal Diseases in the Israeli Population

S Shalom and Coauthors

This cohort study estimates the prevalence of inherited retinal diseases in the Israeli population.

617 Re-Esterified Triglycerid ω -3 Fatty Acids in Dry Eye Disease With Meibomian Gland Dysfunction: A Randomized Clinical Trial

Y Eom and Coauthors

This randomized clinical trial investigates the efficacy of systemic re-esterified triglyceride (rTG) ω -3 fatty acids compared with grape-seed oil in the treatment of dry eye disease with meibomian gland dysfunction (MGD).

Invited Commentary 625

Visual Abstract

627 Effect of Low-Dose Aspirin on the Course of Age-Related Macular Degeneration: A Secondary Analysis of the ASPREE Randomized Clinical Trial

LD Robman and Coauthors

This secondary analysis of the ASPREE randomized clinical trial was conducted to evaluate the effect of long-term low-dose aspirin on age-related macular degeneration.

636 Systemic Fluoroquinolone Use and Risk of Uveitis or Retinal Detachment

JP Brown and Coauthors

This cohort study examines whether systemic fluoroquinolone use is associated with increased risk of acute uveitis or retinal detachment.

Invited Commentary 646

648 Melatonin and Risk of Age-Related Macular Degeneration

H Jeong and Coauthors

This cohort study examines the association between melatonin supplementation and the risk of development or progression of age-related macular degeneration in older US adults.

655 Health Care Use for Eye Pain

JN Shapiro and Coauthors

This cross-sectional study estimates the frequency of eye pain visits over time in emergency department and outpatient settings.

Invited Commentary 660

662 Progression to Pars Plana Vitrectomy in Patients With Proliferative Diabetic Retinopathy

AF Alsoudi and Coauthors

This cohort study evaluates outcomes of proliferative diabetic retinopathy treated with panretinal photocoagulation monotherapy compared with matched patients treated with anti-vascular endothelial growth factor monotherapy.

RESEARCH LETTER

677 Tissue Loss During Eye Bank Processing

A Naranjo and Coauthors

This comparative effectiveness research study assesses the rate of tissue loss in ultrathin Descemet stripping automated endothelial keratoplasty grafts vs descemet membrane endothelial keratoplasty grafts during eye bank processing.

678 Potential Medicare Part D Savings on Ophthalmic Generic Drugs

DA Collet, MB Urban, and A Amin

This economic evaluation assesses potential Medicare Part D savings on ophthalmic generic drugs if discount coupon prices are used.

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

AUDIO

Prevalence of Diabetic Retinopathy in Health Care Settings

CME

CME online at
jamacmelookup.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.

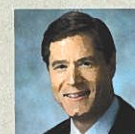
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Opinion

INVITED COMMENTARY

607 Prevalence of Diabetic Retinopathy in Health Care Settings—An Early Warning Sign?

DB Rein and JS Wittenborn

Related Article 599

+ Audio

625 ω -3 Fatty Acid Supplements May Not Improve Dry Eye Symptoms

IJ Saldanha

Related Article 617

646 Does Systemic Fluoroquinolone Use Increase Risk of Retinal Detachment?

S-H Liu and BS Hawkins

Related Article 636

660 Disease and Health Care Burden of Ocular Pain

B Power, J Brodie, and MTM Wang

Related Article 655

Clinical Review & Education

**JAMA OPHTHALMOLOGY
CLINICAL EVIDENCE SYNOPSIS****669 Interventions for Proliferative Vitreoretinopathy**

WX Wang, M Xing, and RS Apte

This Clinical Evidence Synopsis summarizes systematic reviews regarding pharmacologic interventions for proliferative vitreoretinopathy.

+ CME

**JAMA OPHTHALMOLOGY
CLINICAL CHALLENGE****671 Episodic Upper Eyelid Edema in an African American Patient**

SS Akella, S Srivatsan, and A Lin

An African American patient in their 60s with a history of monoclonal gammopathy of unknown significance presents to the oculoplastic service for intermittent, bilateral upper eyelid swelling and pain for 2 years. Examination reveals hyperpigmented, spongy eyelid edema with redundant skin, and no lymphadenopathy is present. What would you do next?

+ CME

673 Immunotherapy for a Choroidal Pigmented Lesion

S Orge, AS Sezenoz, and H Demirci

A 51-year-old male with a history of BRAF V600E mutation-positive, superficial spreading-type cutaneous melanoma on the chest with metastasis to a sentinel lymph node had a 4-week history of redness and swelling of the right temporal bulbar conjunctiva and was referred for evaluation of a choroidal lesion in the right eye. What would you do next?

+ CME

675 Bilateral Retinal Vascular Tortuosity and Hemorrhages

E Borrelli, S Serafino, and M Reibaldi

A 28-year-old man presented with decreased visual acuity in his right eye for the past 2 weeks. Examination revealed dilated and tortuous veins, Roth spots, and white intraretinal agglomerates. What would you do next?

+ CME

OPHTHALMIC IMAGES

**+ Bifid Pupil Iridodialysis
Secondary to Airsoft Gun Injury**

A Abbas, C Zhang, and AL Reynolds

This case report describes a diagnosis of iridodialysis in an 11-year-old boy who presented with decreased vision and inflammation after direct blunt trauma to the left eye.

+ CME

+ Bilateral Rhino-Orbital-Cerebral Mucormycosis

BM Teixeira, MQ Dias, and G Castela

This case report discusses a diagnosis of rhino-orbital-cerebral mucormycosis in a man aged 61 years who presented with vision loss, ophthalmoplegia, and ptosis.

+ CME

+ Vascular Conjunctival Lesion in a Patient With a Recent Diagnosis of HIV Infection

S De Arrigunaga, J Fan, and CL Karp

This case report describes a diagnosis of conjunctival Kaposi sarcoma in a patient recently diagnosed with HIV infection and taking highly active antiretroviral therapy.

+ CME

+ An Epiretinal Roller Coaster Effect

D Kalogeropoulos, G De Salvo, and S Antonakis

This case report describes a diagnosis of epiretinal membrane with retinal traction in a patient with known bilateral age-related macular degeneration.

+ Video | CME

Letters

OBSERVATION

680 Treatment of Vernal Keratoconjunctivitis Using Upadacitinib

K Kito and Coauthors

This case report presents a case of improvement of vernal keratoconjunctivitis associated with initiation of an oral Janus kinase inhibitor upadacitinib.

682 DICER1 Syndrome Discovered Through an Eye Tumor

F Fortarezza and Coauthors

This case report describes a patient with medulloepithelioma of the ciliary body that was subsequently diagnosed as DICER1 syndrome.

**COMMENT & RESPONSE
Acetylcholinesterase Inhibitors,
AMD, and Alzheimer Disease**

683 Y-H Chen, C Wang, and T Kurth

In Reply

684 J Magagnoli, SS Sutton, and J Ambati

Syfovre Approval for Geographic Atrophy

685 CC Wyckoff, EM Lad, and JS Heier

In Reply

686 IH Schachar

Vision Screening for Children

686 BG Jastrzembski

687 DM Jarrett

In Reply

687 I Oke, DG Hunter, and AA Galbraith

Enhancing Self-Supervised Learning for Rare Diseases in OCT

688 SL Walston, S Sato, and D Ueda

In Reply

688 S Gholami, L Schepke, and AY Lee

+ Available online