

In This Issue: September 2024

Research

ORIGINAL INVESTIGATION

789 Filgotinib in Active Noninfectious Uveitis: The HUMBOLDT Randomized Clinical Trial
SK Srivastava and Coauthors

This randomized clinical trial investigates the efficacy and safety of filgotinib in patients with active noninfectious uveitis.

Visual Abstract

798 Development and Evaluation of a Retrieval-Augmented Large Language Model Framework for Ophthalmology
M-J Luo and Coauthors

This quality improvement study discusses the challenges of knowledge inaccuracies and data privacy issues when using large language models in ophthalmology and how to overcome them.

Invited Commentary 806

808 Severe Spaceflight-Associated Neuro-Ocular Syndrome in an Astronaut With 2 Predisposing Factors
TJ Brunstetter and Coauthors

This case report investigates why a female astronaut presented with more severe symptoms of spaceflight-associated neuro-ocular syndrome than previous astronauts of either sex.

Audio

818 Guttæ Morphology After Cultured Corneal Endothelial Cell Transplant in Fuchs Endothelial Corneal Dystrophy
Y Tomioka and Coauthors

This case series analyzes the presence of guttæ in patients with Fuchs endothelial corneal dystrophy after surgical removal and cultured corneal endothelial cell transplant to determine whether guttæ can be removed without Descemet stripping.

Video

827 Endophthalmitis Rates and Types of Treatments After Intraocular Procedures
BL VanderBeek and Coauthors

This cohort study examines 20 years of data to determine how rates of endophthalmitis after intraocular procedures have changed over time and how the treatment of those patients has changed.

Invited Commentary 835

837 Vitrectomy as an Adjunct to Treat-and-Extend Anti-VEGF Injections for Diabetic Macular Edema: The Vitrectomy in Diabetic Macular Oedema (VIDEO) Randomized Clinical Trial
MJ Maguire and Coauthors

This randomized clinical trial examined rates of recruitment and efficacy outcomes of vitrectomy plus internal limiting membrane peeling adjunctive to a treat-and-extend anti-vascular endothelial growth factor (VEGF) injection regimen for diabetic macular edema.

Visual Abstract

845 Neighborhood-Level Social Determinants of Health and Presenting Characteristics for Rhegmatogenous Retinal Detachments
SS Ong and Coauthors

This cohort study investigates the association between neighborhood-level social determinants of health and severity of rhegmatogenous retinal detachments at presentation.

Invited Commentary 854

Audio

856 Ultra-Widefield and Early Treatment Diabetic Retinopathy Study 7-Field Grading of Diabetic Retinopathy

LP Aiello and Coauthors
for the DCCT/EDIC Research Group

This cross-sectional study evaluates ultra-widefield vs Early Treatment Diabetic Retinopathy Study 7-field imaging for the capture of diabetic retinopathy.

Invited Commentary 863

865 Biomarker Detection and Validation for Corneal Involvement in Patients With Acute Infectious Conjunctivitis

GD Seitzman and Coauthors
for the SCORPIO Study Group

This cross-sectional study evaluates potential biomarkers in patients with acute infectious conjunctivitis.

Invited Commentary 872

Audio

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

AUDIO

Severe Spaceflight-Associated Neuro-Ocular Syndrome in an Astronaut
Neighborhood-Level Social Determinants of Health and Presenting Characteristics for Rhegmatogenous Retinal Detachments
Biomarker Detection and Validation for Corneal Involvement in Patients With Acute Infectious Conjunctivitis

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BRIEF REPORT

874 Vitreoretinopathy in Asymptomatic Children With CTNNB1 Syndrome
EC Bedoukian, G Forbes, and D Scoles

This case series of 11 patients with CTNNB1 syndrome reports the presence of familial exudative vitreoretinopathy detected via fluorescein angiography under anesthesia, which was previously undetected on ophthalmoscopic examination.

Invited Commentary 878

Opinion

INVITED COMMENTARY

806 Need for Custom Artificial Intelligence Chatbots in Ophthalmology

A Mihalache, MM Popovic, and RH Muni

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835 Changes in Rates of Postprocedural Endophthalmitis and Treatments

S Ghalibafan, HW Flynn, and NA Yannuzzi

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854 Implications of Neighborhood- and Patient-Level Factors for Eye Care

PM Hicks, MA Woodward, and PA Newman-Casey

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863 Moving Forward to a Wider Retinal Field of View

C Lobo, AR Santos, and IP Marques

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872 Molecular Sequencing and Biomarkers in Acute Infectious Conjunctivitis

L Low, S Rauz, and DSJ Ting

Related Article 865

878 Genetic Testing for Rare Retinal Diseases in Telomere Biology Disorders

NFS da Cruz and AM Berrocal

Related article 874

Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

880 Acute Bilateral Periorbital Edema in a Psychiatric Patient

KN Acuff, GA Villatoro, and SL Baxter

An older patient with history of alcohol use disorder was admitted for altered mental status and received valproic acid and olanzapine from the psychiatric service. On hospital day 2, the patient acutely developed bilateral periorbital edema. What would you do next?

➤ CME

OPHTHALMIC IMAGES

➤ **Thirteen-Year Follow-Up of Conjunctival Amyloidosis**

EA Lovett Jr, TM Catapano, and CL Shields

This case report discusses a diagnosis of conjunctival amyloidosis in an otherwise asymptomatic male aged 71 years with 13-year follow-up.

➤ CME

➤ **Real-Time Visualization of a Transient Retinal Embolus**

J Bjerager, M Jørgensen, and S Hamann

This case report describes the real-time imaging of a transient retinal embolus in a patient experiencing episodes of monocular vision loss.

➤ CME

➤ **Synchysis Scintillans After Long-Standing History of Retinal Detachment**

Z Yang, Y Chen, and X Zhao

This case report discusses a diagnosis of synchysis scintillans in a patient aged 77 years with a history of retinal detachment and no light perception vision in the left eye.

➤ CME

Letters

COMMENT & RESPONSE

Impact of Pediatric Instrument-Based Vision Screening

882 I Oke, DG Hunter, and AA Galbraith

In Reply

882 CD Stults, S-Y Liang, and OL Nyong'o

Challenges of Integrating Chatbot Use in Ophthalmology Diagnostics

883 S Koga and W Du

In Reply

884 A Mihalache, MM Popovic, and RH Muni

Challenges in Assessing Dose-Dependent Atropine for Myopia

884 J-R Polling and CCW Klaver

In Reply

886 Y Li, A Chia, and M Ang

➤ Available online

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