

In This Issue: December 2023

Research

ORIGINAL INVESTIGATION

1110 Risk of Stroke, Myocardial Infarction, and Death After Retinal Artery Occlusion

KM Wai and Coauthors

This cohort study examines 2 decades of electronic health record data to assess short-term and long-term rates of death, stroke, and myocardial infarction in patients with RAO in comparison with a matched control population.

Audio

1117 Machine Learning Models for Predicting Long-Term Visual Acuity in Highly Myopic Eyes

Y Wang and Coauthors

This cohort study investigates if the long-term visual acuity of highly myopic eyes can be predicted using clinical information analyzed by machine learning models.

Journal Club Slides

1125 Neurodevelopmental Outcomes in Infants Screened for Retinopathy of Prematurity

R Karmouta and Coauthors

This cohort study investigates the association between socioeconomic and clinical factors and neurodevelopmental outcomes in a cohort of infants screened for retinopathy of prematurity.

1133 Incidence and Risk Factors for Neutropenia After Intra-Arterial Chemotherapy for Retinoblastoma

DH Lee and Coauthors

This case series examines the incidence of neutropenia after intra-arterial chemotherapy in pediatric patients with retinoblastoma and risk factors for disease occurrence.

Invited Commentary 1138

1140 Pathogen Surveillance for Acute Infectious Conjunctivitis

E Tsui and Coauthors

for the SCORPIO Study Group

This cross-sectional study examines the microbial etiologies of acute infectious conjunctivitis at 4 sites in the US and 1 site in Israel.

1145 Psychiatric Comorbidities Associated With Keratoconus

M Safir and Coauthors

This cross-sectional study assesses whether risk for keratoconus is higher in adolescents and adults with psychiatric comorbidities.

Invited Commentary 1150

1152 Efficacy and Safety of Brolicizumab for Diabetic Macular Edema: The KINGFISHER Randomized Clinical Trial

RP Singh and Coauthors

This randomized clinical trial evaluates the efficacy and safety of brolicizumab vs aflibercept dosed every 4 weeks in participants with diabetic macular edema.

Visual Abstract | Journal Club Slides

1161 Social Determinants of Health and Perceived Barriers to Care in Diabetic Retinopathy Screening

R Ravindranath and Coauthors

This cross-sectional study examines the factors related to social determinants of health that are associated with visiting an eye care practitioner among patients with type 2 diabetes.

Audio

Opinion

VIEWPOINT

1105 Regulatory and Informational Gaps in the Over-the-Counter Eye Care Product Industry—Over the Counter, Under the Radar

DN Younessi, JC Lin, and TM Janetos

EDITORIAL

1107 Time to Treat the Climate and Nature Crisis as One Indivisible Global Health Emergency

K Abbasi and Coauthors

INVITED COMMENTARY

1138 Fever and Neutropenia Can Be a Risk to the Child's Life

AM Leahey and CL Shields

Related Article 1133

1150 Do Not Think of a Purple Wolf—Keratoconus, ADHD, and Itch

MA Woodward and EL Vogt

Related Article 1145

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

AUDIO

Risk of Stroke, Myocardial Infarction, and Death After Retinal Artery Occlusion

Social Determinants of Health and Perceived Barriers to Care in Diabetic Retinopathy Screening

CME

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[jamamelookup.com](https://www.jamamelookup.com)

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Clinical Review & Education

OPHTHALMIC IMAGES

Dematiaceous Fungal Keratitis With Tentacles Mimicking *Pythium* Keratitis
R Sravya, S Gaur, and N Radhakrishnan

This case report describes a diagnosis of *Curvularia* fungal keratitis in a man aged 60 years who presented with a paracentral corneal infiltrate in the right eye with tentacular projections.

CME

Bilateral Acute Iris Transillumination After Systemic Moxifloxacin Treatment
HW Ng

This case report discusses a diagnosis of bilateral acute iris transillumination secondary to systemic antibiotics in a patient who presented with persistent bilateral photophobia.

CME

Four-Year Follow-Up of a Pigmented Vitreous Cyst
C Zhu, C Liu, and J Wang

This case report discusses a diagnosis of pigmented vitreous cyst in a man aged 18 years who presented with a 2-week history of seeing a floater in his right eye.

Video | CME

Iris Neovascularization After Vitreous Metastasis of a Cutaneous Melanoma

G Leone, M Nassisi, and F Viola

This case report describes iris neovascularization secondary to vitreous metastasis of a cutaneous melanoma in a man aged 75 years who presented with elevated intraocular pressure.

CME

Letters

RESEARCH LETTER

Intraocular Pressure in Eyes With Retinal Vein Occlusion Compared With Fellow Eyes: Study of Comparative Treatments for Retinal Vein Occlusion 2 (SCORE2) Report 27

AA Aref and Coauthors
for the SCORE and SCORE2
Study Investigator Groups

This cohort study investigates intraocular pressure (IOP) in eyes with retinal vein occlusion (RVO) compared with fellow, unaffected eyes.

Large Language Model Advanced Data Analysis Abuse to Create a Fake Data Set in Medical Research

A Taloni, V Scordia, and G Giannaccare

This quality improvement study evaluates the ability of GPT-4 Advanced Data Analysis to create a fake data set that can be used for the purpose of scientific research.

COMMENT & RESPONSE

Risk of New Retinal Vascular Occlusion After Messenger RNA COVID-19 Vaccination Within Aggregated Electronic Health Record Data

1175 AY Hsu, C-J Lin, and JC-C Wei

1176 P-J Chu, T-H Tai, and T-H Fan

1177 Y-C Chen, C-C Chen, and JC-C Wei

In Reply

1177 JK Shaia, P Shukla, and RP Singh

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