

In This Issue: September 2023

Research

ORIGINAL INVESTIGATION

819 Evaluation and Comparison of Ophthalmic Scientific Abstracts and References by Current Artificial Intelligence Chatbots

H-U Hua and Coauthors

This cross-sectional study evaluates and compares the quality of ophthalmic scientific abstracts and references generated by 2 versions of a popular artificial intelligence chatbot.

Invited Commentary 824

826 Association Between Genotype and Phenotype Severity in ABCA4-Associated Retinopathy

L Bianco and Coauthors

This cohort study investigates genotype-phenotype correlations in ABCA4-associated retinopathy.

834 Effect of High-Dose Intravitreal Aflibercept, 8 mg, in Patients With Neovascular Age-Related Macular Degeneration: The Phase 2 CANDELA Randomized Clinical Trial

CC Wykoff and Coauthors

for the CANDELA Study Investigators

This randomized clinical trial assesses the safety and efficacy of aflibercept, 8 mg, in patients with neovascular age-related macular degeneration.

Invited Commentary 843

Visual Abstract | Journal Club Slides

844 Use and Cost of Sustained-Release Corticosteroids for Cataract Surgery Under the Medicare Pass-Through Program

X Dai and Coauthors

This cross-sectional study examines the use and cost of sustained-release corticosteroids for cataract surgery within the Medicare pass-through program.

Invited Commentary 851

853 Refractive Accuracy and Visual Outcome by Self-Refractive Using Adjustable-Focus Spectacles in Young Children: A Randomized Clinical Trial

L Zhao and Coauthors

This cross-sectional noninferiority study investigates if self-refraction by children aged 5 to 11 years with adjustable-focus spectacles provides accurate refractive power and good vision compared with cycloplegic refraction.

Invited Commentary 860

Available online

jamaophthalmology.com

862 Assessing Strategies to Reduce the Carbon Footprint of the Annual Meeting of the American Academy of Ophthalmology

SM McClintic and AG Stashevsky

This quality improvement study compares greenhouse gas emissions between in-person and virtual meetings of the American Academy of Ophthalmology (AAO) and investigates what adjustments may be associated with reduced emissions.

Invited Commentary 869 and 870

Audio

872 GJA3 Genetic Variation and Autosomal Dominant Congenital Cataracts and Glaucoma Following Cataract Surgery

EA Boese and Coauthors

This genetic association study assesses the family members in a 4-generation pedigree with congenital cataracts caused by a GJA3 variant who have a remarkably high incidence of glaucoma following cataract surgery in early childhood.

Invited Commentary 880

882 Three-Dimensional Structural Phenotype of the Optic Nerve Head as a Function of Glaucoma Severity

FA Braeu and Coauthors

This cross-sectional study examines optical coherence tomography images to describe 3-dimensional structural differences in both connective and neural tissues of the optic nerve head using traditional clinician-defined and artificial intelligence approaches.

Invited Commentary 890

891 Deep Ocular Phenotyping Across Primary Open-Angle Glaucoma Genetic Burden

S Sekimitsu and Coauthors

for the UK Biobank Eye and Vision Consortium

This cross-sectional study investigates how the phenotypic features of patients vary across genetic burden for primary open-angle glaucoma.

BRIEF REPORT

900 Role of Sex in Participation During Virtual Grand Rounds in Ophthalmology

L Hennein and Coauthors

This cohort study assesses the role of sex in participation during virtual grand rounds at a major academic center.

Invited Commentary 903

Online at
JMAOphthalmology.com

AUDIO

Assessing Strategies to Reduce Carbon Footprint of the AAO Annual Meeting

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.

INSTRUCTIONS FOR AUTHORS

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Opinion

INVITED COMMENTARY

824 **Chatbots, Artificial Intelligence, and the Future of Scientific Reporting**
NJ Volpe and RG Mirza

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843 **The CANDELA Study—Trends and End Points**

C Jhaveri

Related Article 834

851 **Pass-Through Payments, Cost, and Convenience in Hospital Outpatient Departments and Ambulatory Surgical Centers**

DW Parke II and GA Williams

Related Article 844

860 **Using Adjustable-Focus Spectacles in Young Children to Meet Increasing Eyecare Needs**

TL Young

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869 **Considering the Carbon Footprint of Ophthalmology Conferences**

J Tauber

Related Article 862

Invited Commentary 870

870 **Further Reflections on Sustainability in Ophthalmology**

BH Jeng, F Lum, and RVP Chan

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Invited Commentary 869

880 **Glaucoma Following Cataract Surgery in Children—Finally, a Clue**

JD Brandt and SP Shankar

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890 **Understanding the Increasing Role of Optical Coherence Tomography in Glaucoma Diagnostics and Disease Progression**

BC Chauhan

Related Article 882

903 **Apparently It's Still Thought Risky to Speak While Female**

JA Haller

Related article 900

Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

904 **Unilateral Exudative Retinal Lesion in a Previously Healthy Female Teenager**

C Zepeda-Palacio and JP Campbell

A 15-year-old girl had a 2-month history of decreased vision and a dark spot in the central vision in her right eye. She had a papule on her cheek, intraretinal and subretinal fluid in the central macula, inner retinal thickening, and telangiectasis in the superior macula. What is your diagnosis?

➤ CME

OPHTHALMIC IMAGES

➤ **Choroidal Detachment After Intravitreal Injection of Faricimab**

EM Schönbach and WR Freeman

This case report discusses a diagnosis of choroidal detachment and suprachoroidal hemorrhage in a patient aged 70 years after an uneventful intravitreal injection of faricimab for neovascular age-related macular degeneration.

➤ CME

➤ **Optic Disc Dysplasia and Situs Inversus**

MT Bhatti

This case report discusses a diagnosis of optic disc dysplasia made on routine examination of a man aged 33 years.

➤ CME

➤ **Hemophagocytic Lymphohistiocytosis After Dengue Fever and Its Ocular Features**

A Patil, P Mahendradas, and R Shetty

This case report discusses a diagnosis of hemophagocytic lymphohistiocytosis in a man aged 40 years with a history of dengue fever.

➤ CME

➤ **Multiple Iris Nevi in an Eye With Ciliochoroidal Melanoma**

AJ Clements, JS Zeiger, and CL Shields

This case report discusses a diagnosis of ciliochoroidal melanoma in a patient with multiple iris nevi.

➤ CME

Letters

RESEARCH LETTER

906 **Accuracy of Vitreoretinal Disease Information From an Artificial Intelligence Chatbot**

JT Caranfa and Coauthors

This cross-sectional study compares 2 sets of responses by 1 chatbot to frequently asked questions about vitreoretinal conditions and procedures.

907 **Multiple Small Floaters Associated With Silicone Oil Droplets Following Intravitreal Pegcetacoplan Injection**

J Bijon and Coauthors

This case series analyzes the presence of floaters associated with silicone oil droplets after intravitreal pegcetacoplan injection.

909 **Association Between Health Insurance and Primary Care Vision Testing Among Children and Adolescents**

OJ Killeen and Coauthors

This survey study assesses rates of vision testing by pediatrician or other primary care practitioners among insured and uninsured persons aged 3 to 17 years.

COMMENT & RESPONSE
Deep Learning, the Retina, and Parkinson Disease

911 AG Hamedani

In Reply

912 WT Yoon, SJ Song, and J Shin

➤ Available online

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