

In This Issue: November 2021

Research

ORIGINAL INVESTIGATION

1165 Effect of School-Based Family Health Education via Social Media on Children's Myopia and Parents' Awareness: A Randomized Clinical Trial
Q Li and Coauthors

This cluster randomized clinical trial evaluates the effects of school-based family health education via social media in raising parents' myopia prevention awareness and behavior and in controlling the development of myopia in children.

Invited Commentary 1172

Visual Abstract

1174 Association of Patient Characteristics With Delivery of Ophthalmic Telemedicine During the COVID-19 Pandemic
K Aziz and Coauthors

This cross-sectional study assesses the demographic characteristics of patients who did and did not use telemedicine for ophthalmic care at a large tertiary care eye center during the COVID-19 pandemic.

Invited Commentary 1182

Audio

1184 Analysis of Sex Diversity Trends Among Ophthalmology Match Applicants, Residents, and Clinical Faculty
UT Aguwa and Coauthors

This cross-sectional study examines trends in the sex demographic characteristics of ophthalmology match applicants, residents, and clinical faculty at medical schools compared with trends in other surgical and nonsurgical specialties.

Audio

1191 Association of Reading Performance in Geographic Atrophy Secondary to Age-Related Macular Degeneration With Visual Function and Structural Biomarkers
SH Künzel and Coauthors

This cohort study assesses the structural and functional determinants of monocular reading performance to establish its concurrent validity in geographic atrophy, the ability to detect a change in reading performance, and whether patients with geographic atrophy are affected by binocular inhibition of reading performance.

CME

Available online

jamaophthalmology.com

1200 Efficacy of Lifitegrast Ophthalmic Solution, 5.0%, in Patients With Moderate to Severe Dry Eye Disease: A Post Hoc Analysis of 2 Randomized Clinical Trials

EJ Holland and Coauthors

This post hoc analysis of 2 randomized clinical trials assesses the heterogeneity in treatment response with lifitegrast in different subsets of participants with dry eye disease, stratified by the severity of the signs and symptoms presented at baseline.

Invited Commentary 1208

1210 Health Care Price Transparency in Ophthalmology

ST Berkowitz and Coauthors

This economic evaluation assesses the degree to which hospitals provide standard charges for the required ophthalmologic shoppable services and characterizes the variability in these standard charges.

Invited Commentary 1216

CME

1218 Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With Early-Onset Drusen Maculopathy

A de Breuk and Coauthors

This case-control study evaluates genotypic and phenotypic characteristics of patients with early-onset drusen maculopathy.

Invited Commentary 1226

1228 Incidence of Incision-Related Descemet Membrane Detachment Using Phacoemulsification With Trapezoid vs Conventional 2.2-mm Clear Corneal Incision: A Randomized Clinical Trial

Y Dai and Coauthors

This randomized clinical trial compares the incidence of incision-related Descemet membrane detachment between eyes undergoing modified vs conventional 2.2-mm incision phacoemulsification for hard nuclear age-related cataract.

Invited Commentary 1235

Visual Abstract | Video

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

AUDIO
Delivery of Ophthalmic Telemedicine During the COVID-19 Pandemic

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Find CME quizzes online at
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Opinion

INVITED COMMENTARY

1172 Ecological Momentary Interventions— Can More Smartphone Use Result in Less Myopia?

CA Enthoven, IPM Derks, and JR Polling

Related Article 1165

1182 Telemedicine and the Exacerbation of Health Care Disparities

BL VanderBeek

Related Article 1174

1208 Prognostic Factors for Dry Eye Disease Treatment Response in Clinical Trials

MTM Wang and JP Craig

Related Article 1200

1216 Price Transparency in Hospital Pricing of 2 Eye Surgeries

MX Repka

Related Article 1210

1226 At What Age Does Age-Related Macular Degeneration Start?

AH Khan, PG Hysi, and AJ Lotery

Related Article 1218

1235 Statistical Significance vs Clinical Significance— That Is the Question

J Rose-Nussbaumer

Related Article 1228

Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

1236 New-Onset Macular Schisis in a Patient With Glaucoma

GA Wilke, BE O'Bryhim, and RS Apte

A 70-year-old woman with an ocular history of primary open-angle glaucoma presented with several months of worsening vision in the left eye. Optical coherence tomography of the left eye revealed schitic separation of the outer plexiform and outer nuclear layers extending from the temporal edge of the optic nerve head to the fovea. What would you do next?

1238 Middle-aged Woman With Bilateral Macular Atrophy, Hearing Loss, and Headache

E Borrelli, C La Morgia, and G Querques

A woman in her 40s was referred to the medical retina service for evaluation of bilateral macular atrophy. Medical history was positive for bilateral sensorineural hearing loss with cochlear origin. What would you do next?

1240 In Vivo Confocal Microscopy Evaluation of Microbial Keratitis

M Soifer, CE Wisely, and AN Carlson

A woman in her 20s with a history of daily soft contact lens wear had a recalcitrant central corneal ulcer in her left eye. She had no history of eye trauma, did not sleep in her contact lenses, and had recently been swimming in a freshwater lake prior to the onset of the ulcer. What would you do next?

1242 Bilateral Central Retinal Vein Occlusion: A Presenting Sign of an Ongoing Life-threatening Condition

C Madeira, J Barbosa Breda, and S Penas

A 47-year-old woman, with dyslipidemia, presented to the emergency department with sudden vision loss in her right eye. What would you do next?

OPHTHALMIC IMAGES

✚ Iris Infiltration From Acute Lymphoblastic Leukemia

R Anguita, L Ramskold, and MS Sagoo

This case report describes a recurrence of acute lymphoblastic leukemia manifesting as heterochromia and patchy diffuse iris infiltration with an amelanotic tumor in the right eye.

✚ Central Retinal Artery Occlusion With 2 Cilioretinal Arteries

LA Everett, E Chang, and RC Rao

This case report documents an unusual presentation of a central retinal artery occlusion.

✚ Optical Coherence Tomography of Retinal Artery Occlusion Associated With Mucormycosis and COVID-19

R Kaur, B Khan, and A Sharma

This case report describes a case of mucormycosis-induced orbital apex syndrome following SARS-CoV-2 infection.

Letters

OBSERVATION

1244 Association of Plasma Circulating Tumor DNA With Diagnosis of Metastatic Uveal Melanoma

JH Francis and Coauthors

This case report describes a woman in her 80s with recurrence of uveal melanoma detected using plasma cell-free DNA.

COMMENT & RESPONSE

Increased Ventricular Cerebrospinal Fluid Volumes in Spaceflight-Associated Neuroocular Syndrome— A Curse or a Blessing?

1245 P Wostyn, CR Gibson, and TH Mader

Association Between Mortality and Anti-Vascular Endothelial Growth Factor Treatment in Patients With Age-Related Macular Degeneration

1246 P Kanclerz, J Hanhart, and R Tuuminen

In Reply

1247 N Ngo Ntjam, D Angoultant, and
T Bejan-Angoultant

✚ Available online