

In This Issue: November 2023

Research

ORIGINAL INVESTIGATION

1021 Ophthalmology Faculty Diversity Trends in the US

AA Ali and Coauthors

This cross-sectional study investigates longitudinal trends in the representation of individuals underrepresented in medicine and women among ophthalmology faculty compared with other specialties and assesses disparities between ophthalmology faculty demographic characteristics and the US population.

1029 Clinician-Driven AI: Code-Free Self-Training on Public Data for Diabetic Retinopathy Referral

E Korot and Coauthors

This quality improvement study evaluates clinician-driven, self-trained use of automated machine learning and public data sets in designing high-performing diabetic retinopathy classification models.

1037 Diverse Research Teams and Underrepresented Groups in Clinical Studies

A Bains and Coauthors

This cohort study assesses whether demographic factors of potential research participants and research personnel are associated with rates of patient participation in prospective ophthalmic clinical studies.

1045 Deep Learning Performance of Ultra-Widefield Fundus Imaging for Screening Retinal Lesions in Rural Locales

T Cui and Coauthors

This diagnostic study explores the performance of a deep learning system for multiple retinal lesion screening using ultra-widefield fundus (UWF) images from patients in rural areas of China.

1052 A Deep-Learning Algorithm to Predict Short-Term Progression to Geographic Atrophy on Spectral-Domain Optical Coherence Tomography

ER Dow and Coauthors

This cohort study describes a deep-learning algorithm based on spectral-domain optical coherence tomography to predict 1-year progression from intermediate age-related macular degeneration to geographic atrophy.

BRIEF REPORT

1062 Presumed Silicone Oil Droplets After Intravitreal Pegcetacoplan Injections

A Dessouki and Coauthors

This case series assesses the prevalence of presumed silicone oil droplets in the vitreous cavity after intravitreal injection of pegcetacoplan.

Invited Commentary 1066

1068 Vision Testing for Adolescents in the US

I Oke and Coauthors

This cross-sectional study uses data from the National Survey of Children's Health to describe patterns in vision testing as a function of age and identify sociodemographic factors associated with vision testing among US adolescents.

Invited Commentary 1073

1075 Outbreak of Bilateral Endophthalmitis After Immediate Sequential Bilateral Cataract Surgery

J Bjerager and Coauthors

This case series investigates factors associated with an outbreak of bilateral simultaneous postoperative endophthalmitis following cataract surgery performed the same day at a single clinic.

Opinion

INVITED COMMENTARY

1066 Vitreous Floaters With New Intravitreal Drugs Administered by Retina Specialists

JT Thompson

Related article 1062

1073 Bridging the Gap in Adolescent Vision Care Through Schools

ME Collins and B Antonio-Aguirre

Related article 1068

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Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

1079 Macular Star, Optic Disc Swelling, and Lethargy in a Child

JA Urrets-Zavalía, PM Viotto, and E Esposito

A 13-year-old girl with a 7-day history of painless vision loss and central scotoma in her left eye was referred to the hospital. Dilated fundus examination revealed a bilateral sectorial macular star that was more extended in the left eye and some faint, small, tan-yellow dots were observed at the level of the retinal pigment epithelium in the posterior pole. What would you do next?

➤ CME

1081 Amelanotic Fundus Lesion in an Older White Woman

S Davuluri, VS Vempuluru, and CL Shields

An 81-year-old woman noted decreased vision in her left eye for 6 months. She had a history of macular degeneration in both eyes and retinal detachment in the left eye that was treated 35 years previously. What would you do next?

➤ CME

OPHTHALMIC IMAGES

➤ Dislocated Descemet Stripping Endothelial Keratoplasty Lenticule in the Anterior Chamber

K Mandlik and M Nair

This case report discusses the dislocation of a Descemet stripping endothelial keratoplasty (DSEK) lenticule in a man aged 82 years who underwent DSEK for pseudophakic bullous keratopathy.

➤ CME

➤ Bilateral Optic Nerve Sheath Meningoceles in an Asymptomatic Patient

S Qin, TJ Martin, and SS Ong

This case report discusses a diagnosis of bilateral optic nerve sheath meningoceles in a man aged 82 years with stable visual acuity and asymptomatic bilateral choroidal folds.

➤ CME

➤ Moth-Eaten Appearance of the Iris in Hansen Disease

P Mahendradas, J Rajendran, and R Sriram

This case report discusses the bilateral moth-eaten appearance of the irides of a woman in her 60s who presented with gradually decreasing vision and a history of Hansen disease.

➤ CME

➤ Symptomatic Netarsudil-Induced Verticillata

SS Rivera, N Radunzel, and EA Boese

This case report discusses a diagnosis of bilateral corneal verticillata in a woman aged 80 years who was using netarsudil eye drops for the treatment of primary open-angle glaucoma.

➤ CME

Letters

OBSERVATION

1083 Laser-Induced Chorioretinal Anastomosis in Neurofibromatosis Type 1

J Bjerager and Coauthors

This case report describes a laser-induced chorioretinal anastomosis in a 38-year-old woman with neurofibromatosis type 1.

➤ Video

1085 Bruton Tyrosine Kinase Inhibitor in 2 Patients With Vitreoretinal Lymphoma

C Iwahashi and Coauthors

This case report describes the use of tirabrutinib to treat 2 individuals with vitreoretinal lymphoma.

COMMENT & RESPONSE

Advances in Artificial Intelligence Chatbot Technology in Ophthalmology

1088 JC Lin, SS Kurapati, and IU Scott

In Reply

1088 A Mihalache, MM Popovic, and RH Muni

Epidemiology of Retinopathy of Prematurity in the US From 2003 to 2019

1089 SL Groth and SP Donahue

In Reply

1090 HC Skrehot, A Bhatnagar, and CY Weng

➤ Available online