

In This Issue: July 2023

Research

ORIGINAL INVESTIGATION

625 Cost Utility and Value of Information Analysis of Femtosecond Laser-Assisted Cataract Surgery

A Bénard and Coauthors
for the FEMCAT Study Group

This cost-effectiveness analysis of the FEMCAT trial estimates the cost utility of femtosecond laser-assisted cataract surgery compared with phacoemulsification cataract surgery over 12 months.

Invited Commentary 629

631 Comparison of Optical Coherence Tomography Structural Parameters for Diagnosis of Glaucoma in High Myopia

Y Jeong and Coauthors

This cross-sectional study investigates the accuracy of various optical coherence tomography parameters in the detection of glaucoma in highly myopic eyes.

Invited Commentary 639

641 Assessment of Parafoveal Diabetic Macular Ischemia on Optical Coherence Tomography Angiography Images to Predict Diabetic Retinal Disease Progression and Visual Acuity Deterioration

D Yang and Coauthors

This cohort study investigates the association of the deep learning-based diabetic macular ischemia with the subsequent risk of diabetic retinopathy progression, diabetic macular edema development, and visual acuity deterioration.

Invited Commentary 649

Audio

651 Bibliometric Analysis of Ophthalmic Journals

JJ Nichols and Coauthors

This qualitative study identifies all ophthalmic journals and evaluates citation metrics relating to articles, journals, authors, institutions, and countries published therein.

658 Systemic Adverse Events Among Patients With Diabetes Treated With Intravitreal Anti-Vascular Endothelial Growth Factor Injections

S Zafar and Coauthors

This cohort study evaluates the risks of adverse events associated with intravitreal anti-vascular endothelial growth factor injections in individuals with diabetes.

Invited Commentary 666

Available online

jamaophthalmology.com

668 Efficacy and Safety of the Aflibercept Biosimilar SB15 in Neovascular Age-Related Macular Degeneration: A Phase 3 Randomized Clinical Trial

SJ Woo and Coauthors

This randomized clinical trial evaluates the safety and efficacy of aflibercept biosimilar SB15 compared to reference aflibercept in the treatment of age-related neovascular macular degeneration.

Visual Abstract

677 Accuracy of Artificial Intelligence in Estimating Best-Corrected Visual Acuity From Fundus Photographs in Eyes With Diabetic Macular Edema

W Paul and Coauthors

This diagnostic/prognostic study uses data and color fundus photographs from a randomized clinical trial involving patients undergoing treatment of diabetic macular edema to enable artificial intelligence systems to estimate best-corrected visual acuity and to evaluate the accuracy of those estimates.

Invited Commentary 685

Opinion

INVITED COMMENTARY

629 Femtosecond Laser-Assisted Cataract Surgery—Conclusive Evidence of Lack of Incremental Value

OD Schein

Related Article 625

639 Which Optical Coherence Tomography Parameter, If Any, Identifies Glaucoma in High Myopia?

S Asrani and AC Thompson

Related Article 631

649 Optical Coherence Tomography Angiography, Artificial Intelligence, and the Missing Capillaries

AH Kashani, TYA Liu, and C Jones

Related Article 641

666 Difficulty in Assessing the Systemic Adverse Effects of Intravitreal Anti-Vascular Endothelial Growth Factor Therapy

BL VanderBeek

Related Article 658

685 Artificial Intelligence for Visual Acuity—Gaps From Algorithm to Actualization

SL Baxter and JE Kim

Related Article 677

Online at
JMAOphthalmology.com

AUDIO

Predictive Value of Parafoveal Diabetic Macular Ischemia for Diabetic Retinal Disease Progression and VA Deterioration

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.

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Editor in Chief
Neil M. Bressler, MD



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Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

687 Red Eye and Choroidal Detachment in an Older Woman

S Jadhav, K Padmalakshmi, and M Bhende

A 64-year-old woman presented with diminution of vision, progressive redness, and dull aching pain in the right eye for 8 months. What would you do next?

➤ CME

689 An Unusual Spontaneous Acute Deepening of the Anterior Chamber

N Morvant, Q de Bosredon, and M-N Delyfer

A 53-year-old woman presented with 20/32 visual acuity and a reverse pupillary block in her left eye. The left anterior chamber was substantially deepened with a backbowing of the iris, and an inferior retinal detachment without any associated visible tear was present in the left eye. What would you do next?

➤ CME

691 A Man With Kaleidoscope Vision

A Sopeyin, C Wilkins, and M Berkenstock

A 63-year-old man with a history of stage 3 cutaneous melanoma of the scalp and chronic lymphocytic leukemia presents with kaleidoscope vision. What would you do next?

➤ CME

OPHTHALMIC IMAGES

➤ Metastatic Eyelid Lesion of High-Grade Neuroendocrine Carcinoma From Parotid Gland Primary

EE Steinberger, RN Parikh, and A Moreau

This case report describes a diagnosis of neuroendocrine carcinoma metastasis in the eyelid of an immune-competent patient.

➤ CME

➤ Purtscher-Like Retinopathy Associated With Atypical Hemolytic Uremic Syndrome

S-y Cheng and Y-x Chen

This case report discusses a diagnosis of atypical hemolytic uremic syndrome in a woman aged 38 years who presented with progressively blurry vision in both eyes over a period of 10 days.

➤ CME

➤ Endogenous *Aspergillus thermomutatus* Endophthalmitis in a Patient With Myelodysplastic Syndrome

X Wang, J Li, and P He

This case report describes a diagnosis of *Aspergillus thermomutatus* endophthalmitis in a patient with a recent history of allogeneic stem cell transplant.

➤ CME

➤ Dark-Without-Pressure Lesion in a Patient in Their Mid-40s

J Singaravelu, AP Schachat, and AD Singh

This case report discusses a diagnosis of a dark-without-pressure lesion in an otherwise asymptomatic patient in their mid-40s.

➤ CME

Letters

OBSERVATION

693 Retinal Damage After Repeated Low-level Red-Light Laser Exposure

H Liu and Coauthors

This case report discusses retinal damage incurred after repeated low-level red-light laser exposure in a 12-year-old female patient with a history of myopia.

COMMENT & RESPONSE

Improving Estimates of the Geographic Distribution of Pediatric Ophthalmologists to Identify Underserved Regions

695 I Oke, AC Wu, and DG Hunter

In Reply

696 HL Walsh, J Sridhar, and KM Cavuoto

Association of Metformin With the Development of Age-Related Macular Degeneration in the Diabetes Prevention Program Outcomes Study

696 VM Asensio-Sánchez

In Reply

697 A Domalpally, Q Pan, and EY Chew

➤ Available online

jamaophthalmology.com