

The best jobs  
in medicine  
and healthcare  
are right here.

ELSEVIER



Get hired

AMERICAN JOURNAL  
OF OPTHALMOLOGY®

Log in



# January 2021

Volume 221, p1-326



[Current Issue](#)

[Issues in Progress](#)



[Select All](#)

[Export Citations](#)

[Email A Colleague](#)

[Add to Reading List](#)

[Download Full Issue](#)

[Register for eTOC alerts](#)

ADVERTISEMENT

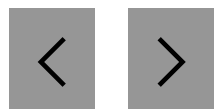
[Editorial Board](#)

Published in issue: January 2021

iii

**FREE**

[PDF](#)



## Table of Contents

Published in issue: January 2021  
vi-xii

**FREE**

[PDF](#)

## Perspective

### Predatory Publishing in Ophthalmology: A Call for Awareness and Action

Sophie J. Bakri, Saumya M. Shah  
Published online: August 12, 2020  
p207-210

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

### Gene Fusions in Ocular Adnexal Tumors

Tatyana Milman, Cristiane M. Ida, Paul J.L. Zhang, Ralph C. Eagle Jr.  
Published online: August 12, 2020  
p211-225

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Original Articles

### Influence of Artificial Tears on Keratometric Measurements in Cataract Patients

Veronika Röggl, Christina Leydolt, Daniel Schartmüller, ... Elias Meyer, Claudette Abela-Formanek, Rupert Menapace  
Published online: August 20, 2020  
p1-8

[Open Access](#)

[Full-Text HTML](#) | [PDF](#)

### Accelerated Pulsed High-Fluence Corneal Cross-Linking for Progressive Keratoconus

Daniel M. Gore, Marcello T. Leucci, Su-yin Koay, ... Michail I. Malandrakis, Vijay Anand, Bruce D. Allan  
Published online: August 17, 2020  
p9-16

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

### Reproducibility of Non-Invasive Endothelial Cell Loss Assessment of the Pre-Stripped DMEK Roll After Preparation and Storage

Tarek Safi, Berthold Seitz, Kolja Berg, Katja Schulz, Achim Langenbacher, Loay Daas



Published online: August 11, 2020  
p17-26

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Cataract Surgery Complexity and Surgical Complication Rates Among Medicare Beneficiaries With and Without Dementia**

Suzann Pershing, Victor W. Henderson, Mary K. Goldstein, ... M. Kate Bundorf, Moshir Rahman, Joshua D. Stein

Published online: August 20, 2020  
p27-38

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Discrepancy in Loss of Macular Perfusion Density and Ganglion Cell Layer Thickness in Early Glaucoma**

Kazunori Hirasawa, Corey A. Smith, Michael E. West, ... Marcelo T. Nicolela, Jayme R. Vianna, Balwantray C. Chauhan

Published online: August 20, 2020  
p39-47

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Follow-up Adherence and Barriers to Care for Pediatric Glaucomas at a Tertiary Care Center**

Brian Mikolajczyk, Ethan R. Greenberg, Hannah Fuher, Michael Berres, Laura L. May, Raymond G. Areaux Jr.

Published online: August 25, 2020  
p48-54

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Association Between Sleep Apnea Risk Score and Retinal Microvasculature Using Optical Coherence Tomography Angiography**

Ramesh Venkatesh, Arpitha Pereira, Aditya Aseem, ... Sajjan Sangai, Rohit Shetty, Naresh Kumar Yadav

Published online: August 31, 2020  
p55-64

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Medial Rectus Advancement for Secondary Exotropia**

Allison C. Umfress, Alexis M. Flowers, Yuhan Liu, Yuxi Zheng, Qingxia Chen, Sean P. Donahue

Published online: August 20, 2020  
p65-74

[Full-Text HTML](#) | [PDF](#)

**Incidence and Outcomes of Hypertensive Phase Following AuroLab Aqueous Drainage Implant Surgery in Adults with Refractory Glaucoma**



George Varghese Puthuran, Hiruni Kaushalya Wijesinghe, Steven J. Gedde, ... Subbaiah Ramasamy Krishnadas, Alan Lee Robin, Paul Palmberg

Published online: August 20, 2020

p75-82

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Instrument Gauge and Type in Uveal Melanoma Fine Needle Biopsy: Implications for Diagnostic Yield and Molecular Prognostication**

Lindsay K. Klofas, Carley M. Bogan, Alice C. Coogan, Stephen J. Schultenover, Vivian L. Weiss, Anthony B. Daniels

Published online: August 17, 2020

p83-90

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Neurofibromatosis Type 1-Associated Optic Pathway Glioma in Children: A Follow-Up of 10 Years or More**

Michael Kinori, Sharon Armarnik, Robert Listernick, Joel Charrow, Janice Lasky Zeid

Published online: April 10, 2020

p91-96

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Iris Registration Capsulotomy Marking Versus Manual Marking for Toric Intraocular Lens Alignment in Cataract Surgery**

Qingzhong Chen, Guangbin Zhang

Published online: September 01, 2020

p97-104

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**Locus-Level Changes in Macular Sensitivity in Patients with Retinitis Pigmentosa Treated with Oral *N*-acetylcysteine**

Xiangrong Kong, Gulnar Hafiz, Dagmar Wehling, Anam Akhlaq, Peter A. Campochiaro

Published online: August 11, 2020

p105-114

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

**A Strategy for Seeding Point Error Assessment for Retesting (SPEAR) in Perimetry Applied to Normal Subjects, Glaucoma Suspects, and Patients With Glaucoma**

Jack Phu, Michael Kalloniatis

Published online: August 07, 2020

p115-130

[Open Access](#)

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)



## Representation of Women in Vitreoretinal Meeting Faculty Roles from 2015 through 2019

Jayanth Sridhar, Ajay E. Kuriyan, Yoshihiro Yonekawa, ... M. Ali Khan, R.V. Paul Chan, Julia A. Haller

Published online: September 08, 2020  
p131-136

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Functional Anatomy of Muscle Mechanisms: Compensating Vertical Heterophoria

Joseph L. Demer, Robert A. Clark

Published online: September 08, 2020  
p137-146

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Prevalence of Ophthalmologic Diagnoses in Children With Autism Spectrum Disorder Using the Optum Dataset: A Population-Based Study

Melinda Y. Chang, Danielle Doppee, Fei Yu, Claudia Perez, Anne L. Coleman, Stacy L. Pineles

Published online: September 04, 2020  
p147-153

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Lightweight Learning-Based Automatic Segmentation of Subretinal Blebs on Microscope-Integrated Optical Coherence Tomography Images

Zhenxi Song, Liangyu Xu, Jiang Wang, ... Lejla Vajzovic, Bin Deng, Sina Farsiu

Published online: July 20, 2020  
p154-168

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Spatial Functional Characteristics of East Asian Patients With Occult Macular Dystrophy (Miyake Disease); EAOMD Report No. 2

Lizhu Yang, Kwangsic Joo, Kazushige Tsunoda, ... Ruifang Sui, Kaoru Fujinami for the East Asia Inherited Retinal Disease Society Study Group

Published online: July 20, 2020  
p169-180

[Open Access](#)

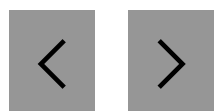
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Retinal Vein Occlusion and the Risk of Dementia: A Nationwide Cohort Study

Ga Eun Nam, Kyungdo Han, Sang Hyun Park, Kyung Hwan Cho, Su Jeong Song

Published online: August 07, 2020  
p181-189

[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)



- [Role of Microscope-Intraoperative Optical Coherence Tomography in Pediatric Keratoplasty: A Comparative Study](#)  
Namrata Sharma, K. Priyadarshini, Rinky Agarwal, ... Tushar Agarwal, Prafulla Kumar Maharana, Jeewan Singh Titiyal  
Published online: August 07, 2020  
p190-198  
[Full-Text HTML](#) | [PDF](#)
  
- [Teleophthalmology: Evaluation of Phone-based Visual Acuity in a Pediatric Population](#)  
Evan Silverstein, Jonathan S. Williams, Jeffrey R. Brown, Enjana Bylykbashi, Sandra S. Stinnett  
Published online: August 10, 2020  
p199-206  
**FREE**  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- [Repeatability of Zone Averages Compared to Single-Point Measurements of Maximal Curvature in Keratoconus](#)  
Lara Asroui, Carl-Joe Mehanna, Ali Salloum, Reda M. Chalhoub, Cynthia J. Roberts, Shady T. Awwad  
Published online: August 12, 2020  
p226-234  
[Full-Text HTML](#) | [PDF](#)
  
- [Impact of Artifacts From Optical Coherence Tomography Retinal Nerve Fiber Layer and Macula Scans on Detection of Glaucoma Progression](#)  
Ang Li, Atalie C. Thompson, Sanjay Asrani  
Published online: August 17, 2020  
p235-245  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- [Whole-Exome Sequencing of Patients With Posterior Segment Uveitis](#)  
Angela S. Li, Gabriel Velez, Benjamin Darbro, ... James C. Folk, Alexander G. Bassuk, Vinit B. Mahajan  
Published online: July 20, 2020  
p246-259  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- [Automated Clinical Assessment of Corneal Guttae in Fuchs Endothelial Corneal Dystrophy](#)  
Yu Qiang Soh, Gary S.L. Peh, Sacha L. Naso, Viridiana Kocaba, Jodhbir S. Mehta  
Published online: July 27, 2020  
p260-272  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)



- Scleral-Sutured Intraocular Lens Dislocations Secondary to Eyelet Fractures**  
Arjun Watane, Benjamin W. Botsford, Arjun B. Sood, ... Nimesh A. Patel, Jayanth Sridhar, Nicolas A. Yannuzzi  
Published online: August 07, 2020  
p273-278  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- Effect of Refractive Astigmatism on All-Distance Visual Acuity in Eyes With a Trifocal Intraocular Lens**  
Ken Hayashi, Motoaki Yoshida, Chizuka Igarashi, Akira Hirata  
Published online: August 07, 2020  
p279-286  
[Open Access](#)  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- Risk Factors for Repeat Keratoplasty after Endothelial Keratoplasty in the Medicare Population**  
Sidra Zafar, Peiqi Wang, Facia A. Woreta, Kanza Aziz, Martin Makary, Divya Srikumaran  
Published online: August 10, 2020  
p287-298  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- Sector Retinitis Pigmentosa: Extending the Molecular Genetics Basis and Elucidating the Natural History**  
Michalis Georgiou, Parampal S. Grewal, Akshay Narayan, ... Kaoru Fujinami, Andrew R. Webster, Michel Michaelides  
Published online: August 11, 2020  
p299-310  
[Open Access](#)  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)
  
- Ethnicity-Specific Database Improves the Diagnostic Ability of Peripapillary Retinal Nerve Fiber Layer Thickness to Detect Glaucoma**  
Claudio I. Perez, Sunee Chansangpetch, Marta Mora, ... Jing Zhao, Ying Han, Shan C. Lin  
Published online: August 07, 2020  
p311-322  
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

## Correspondence

- Comment on: Prevalence of Sagging Eye Syndrome in Adults With Binocular Diplopia**



Brian G. Mohney

Published online: October 20, 2020

p323-324

[Full-Text HTML](#) | [PDF](#)

[Reply to: Comment on Prevalence of Sagging Eye Syndrome in Adults with Binocular Diplopia](#)

Toshiaki Goseki, Soh Youn Suh, Laura Robbins, Stacy L. Pineles, Joseph L. Demer, Federico G. Velez

Published online: October 20, 2020

p324-325

[Full-Text HTML](#) | [PDF](#)

[Comment on: Pattern Electoretinograms in Preperimetric and Perimetric Glaucoma](#)

Mandabi Sengupta, Prafulla Sarma, Shahinur Tayab, Chengchira A. Sangma

Published online: October 30, 2020

p325

[Full-Text HTML](#) | [PDF](#)

[Reply to Comment on: Pattern Electoretinograms in Preperimetric and Perimetric Glaucoma](#)

Kyoung In Jung, Sooji Jeon, Da Young Shin, Jiyun Lee, Chan Kee Park

Published online: October 20, 2020

p325-326

[Full-Text HTML](#) | [PDF](#)

[Comment on: Evaluation of a Multiplex Strip PCR Test for Infectious Uveitis: A Prospective Multicenter Study](#)

Dan Liu, Li-Rong Lin

Published online: November 07, 2020

p326

[Full-Text HTML](#) | [PDF](#)

[Home](#)

[COVID-19](#)

[Neuro-Ophthalmology](#)

[Research](#)

[Current Issue](#)

[AI/Deep Learning](#)

[Epidemiology](#)

[Oculoplastics](#)

[Retina](#)

[Internet Advance](#)

[Cataracts](#)

[Glaucoma](#)

[Pediatrics](#)

[Uveitis](#)

[List of Issues](#)

[Cornea and External Disease](#)

[International/Preventative](#)

[Refractive Surgery](#)

[ARTICLES AND ISSUES](#)

[COLLECTIONS](#)





<a href="#">American Ophthalmological Society Theses</a>	<a href="#">Supplemental Material</a>	<a href="#">Author Information</a>	<a href="#">Career Opportunities</a>	<b>MORE PERIODICALS</b>
<a href="#">Centennial</a>	<b>CME</b>	<a href="#">Researcher Academy</a>	<a href="#">Contact Information</a>	<a href="#">Find a Periodical</a>
<a href="#">Editorship Series</a>	<a href="#">CME Information and Guidelines for Manuscript Review</a>	<a href="#">Submit Your Manuscript</a>	<a href="#">Editorial Board</a>	<a href="#">Go to Product Catalog</a>
<a href="#">Edward Jackson Memorial Lectures</a>		<b>JOURNAL INFO</b>	<a href="#">Info for Advertisers</a>	<b>ALERTS</b>
<a href="#">Series on Epidemiology</a>	<a href="#">Therapeutic Strategies for the Treatment of Ocular Surface Disorders</a>	<a href="#">About the Journal</a>	<a href="#">Pricing</a>	<a href="#">How to subscribe to a subject collection</a>
<a href="#">Series on Statistics</a>		<a href="#">About Open Access</a>	<a href="#">Reviewers</a>	<a href="#">How to create a saved search</a>
<a href="#">Subject Collections</a>	<b>FOR AUTHORS</b>	<a href="#">Abstracting/Indexing</a>	<a href="#">New Content Alerts</a>	
	<a href="#">About Open Access</a>		<b>SUBSCRIBE</b>	

We use cookies to help provide and enhance our service and tailor content and ads. By continuing you agree to the [Use of Cookies](#).

Copyright © 2021 Elsevier Inc. except certain content provided by third parties.

[Privacy Policy](#) [Terms and Conditions](#) [Accessibility](#) [Help & Contact](#)

