

AMERICAN JOURNAL OF OPHTHALMOLOGY®

ISSN 0002-9394 • VOL. 197 JANUARY 2019

Editor in Chief

Richard K. Parrish II, MD
Miami, FL

Associate Editors

Anne L. Coleman, MD, PhD
Los Angeles, CA
Janet L. Davis
Miami, FL

Eve J. Higginbotham, MD, SM
Philadelphia, PA
Gary N. Holland, MD
Los Angeles, CA

Michael W. Stewart, MD
Jacksonville, FL

Executive Editors

David J. Browning, MD, PhD
Donald L. Budenz, MD, MPH
Sean P. Donahue, MD, PhD
Robert Folberg, MD
David S. Greenfield, MD
Seenu M. Hariprasad, MD
Andrew J.W. Huang, MD, MPH

Anselm Kampik, MD
Byron L. Lam, MD
Ian M. MacDonald, MD
Edward E. Manche, MD
Steven L. Mansberger, MD, MPH
Todd P. Margolis, MD, PhD
Kevin M. Miller, MD

Darius M. Moshfeghi, MD
Julian D. Perry, MD
Ian G. Rennie, MB, ChB, FRCS
Lucia Sobrin, MD, MPH
Elmer Y. Tu, MD
Lawrence Tychsen, MD
Gianni Virgili, MD

Editorial Board

Ron A. Adelman, MD, MPH, MBA
Natalie A. Afshari, MD
Sophie J. Bakri, MD
James D. Brandt, MD
Jay Chhablani, MS, DNB
James Chodosh, MD, MPH
Helen V. Danesh-Meyer, MD, PhD
Sharon Fekrat, MD
Harry W. Flynn, Jr., MD
Alain Gaudric, MD

Christopher A. Girkin, MD
Nancy M. Holekamp, MD
Kyoko Ishida, MD, PhD
Mark W. Johnson, MD
John H. Kempen, MD, PhD
Tero Kivelä, MD, FEBO
Thomas Kohnen, MD, PhD, FEBO
Michael S. Kook, MD
Shan C. Lin, MD
Randall J. Olson, MD

Louis R. Pasquale, MD
Jacob Pe'er, MD
Pradeep Y. Ramulu, MD, PhD
Philip J. Rosenfeld, MD, PhD
Paul Sternberg, Jr., MD
J. Timothy Stout, MD, PhD, MBA
David T. Tse, MD
Elizabeth A. Vanner, PhD
Jayne S. Weiss, MD
Lihteh Wu, MD

Editorial Staff

Sarah L. Duncan Powers
Managing Editor

Former Editors in Chief

G. Adolf Alt, 1884-1918
Edward L. Jackson, 1918-1927
William H. Crisp, 1928-1930

Lawrence T. Post, 1930-1940
Derrick T. Vail, 1941-1965
Frank W. Newell, 1965-1993

Michael A. Kass, 1993
Bradley R. Straatsma, 1993-2002
Thomas J. Liesegang, 2002-2015

Editorial Scope Statement: The *American Journal of Ophthalmology* is a peer-reviewed, scientific publication that welcomes the submission of original, previously unpublished manuscripts directed to ophthalmologists and visual science specialists describing clinical investigations, clinical observations, and clinically relevant laboratory investigations. Published monthly since 1884, the full text of the *American Journal of Ophthalmology* and supplementary material are also presented on the Internet at www.AJO.com.