

# ARCHIVES

---

OF

# OPHTHALMOLOGY

---

VOL 113 NO. 8, AUGUST 1995

---

Correspondence

- Ophthalmologists in the 'News'** 968  
Keith J. Croes
- In Reply** 968  
Daniel M. Albert, MD
- Four-Point Fixation Technique for Sutured Posterior Chamber Intraocular Lenses** 969  
Dong H. Shin, MD, PhD, Bret A. Hughes, MD
- In Reply** 969  
Robert L. Bergren, MD
- Grating Acuity Tests Should Not Be Used for Social Service Purposes in Preliterare Children** 970  
Alistair R. Fielder, FRCS;  
Merrick J. Moseley, PhD;  
D. Luisa Mayer, PhD
- In Reply** 971  
Burton J. Kushner, MD
- Copyright Ownership and CD-ROM** 971  
Robert Machemer, MD
- In Reply** 972  
Michael D. Springer

- Bilateral Optic Neuritis Following Herpes Zoster Ophthalmicus** 972  
James S. Deane, FRCOphth,  
Kim Bibby, FRCS

---

Case Reports

- Corneal Edema Due to *Asclepias curassavica*** 974  
Soumen Chakraborty, MD;  
Jaqueline Siegenthaler, MD;  
Ernst R. Büchi, MD
- Coats' Disease as a Cause of Anterior Chamber Cholesterosis** 975  
Jerry A. Shields, MD; Ralph C. Eagle, Jr, MD;  
Joseph Fammartino, MD; Carol L. Shields, MD;  
Patrick De Potter, MD
- Large Pigmented Actinic Keratosis of the Eyelid** 977  
S. Daniel Salama, MD,  
Curtis E. Margo, MD
- Kaposi's Sarcoma of the Bulbar Conjunctiva as an Initial Clinical Manifestation of Acquired Immunodeficiency Syndrome** 978  
Usha R. Kurumety, MD,  
Jay M. Lustbader, MD

---

## American Medical Association

Physicians dedicated to the health of America



Copyright 1995 by the American Medical Association. All rights reserved. Reproduction without permission is prohibited.

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.

**James S. Todd, MD**  
Executive Vice President  
**Kenneth E. Monroe**  
Deputy Executive Vice President  
**James F. Rappel**  
Group Vice President,  
Business and Management Services  
**George D. Lundberg, MD**  
Editor-in-Chief, Scientific  
Publications  
**Robert L. Kennett**  
Vice President, Publishing  
**Michael D. Springer**  
Publisher  
**Nawin Gupta, PhD**  
Director, Publishing Operations  
Division

**Cheryl Iverson**  
Director, Editorial Processing  
Division  
**Peter L. Payerli**  
Director, Advertising Sales  
**Geoffrey A. Flick**  
Manager, Marketing Services

**Advertising Office:** J. P. Cahill & Associates, 341 S Waiola Ave, La Grange, IL 60525 (708) 352-0322. **AMA Physician Recruitment Advertising Department:** Carri Lynch, Supervisor, 800-262-2260.

**Surgical Anatomy of the Face** 982  
Wayne F. Larrabee, Jr, Kathleen H. Makielski  
Reviewed by Bradley N. Lemke, MD

**Essentials of Functional Endoscopic Sinus Surgery** 982  
Heinz Stammberger, MD,  
Michael Hawke, MD  
Reviewed by Diane G. Heatley, MD

**The Eye in Infancy** 983  
Sherwin J. Isenberg, MD (ed)  
Reviewed by Monte Mills, MD

**For My Patient: Macular Degeneration** 983  
Retina Research Fund  
Reviewed by John C. Michael, MD

## Editorials

**Clarification of the ARCHIVES' Publication Policy** 984  
Daniel M. Albert, MD

**A Topical Carbonic Anhydrase Inhibitor Finally Arrives** 985  
Paul Palmberg, MD, PhD

**Interferon: Friend or Foe?** 987  
Rosa Ana Tang, MD, MPH

**Use of Ethical Criteria in Medical Decision Making: Corneal Transplantation** 988  
Craig H. Kliger, MD

## Clinical Sciences

**One-Year Evaluation of Excimer Laser Photorefractive Keratectomy for Myopia and Myopic Astigmatism** 994  
Grant R. Snibson, FRACO;  
Catherine A. Carson, PhD, MPH;  
Geoffrey F. Aldred, BBus;  
Hugh R. Taylor, MD, FRACO;  
for the Melbourne Excimer Laser Group

**Neural Rim Area Declines With Increased Intraocular Pressure in Urban Americans** 1001  
Rohit Varma, MD; Sterling C. Hilton, MS;  
James M. Tielsch, PhD; Joanne Katz, ScD;  
Harry A. Quigley, MD; Alfred Sommer, MD

**A Double-Masked, Randomized 1-Year Study Comparing Dorzolamide (Trusopt), Timolol, and Betaxolol** 1009  
Ellen Strahlman, MD, MHS;  
Robert Tipping, MS; Roger Vogel, MD;  
and the International Dorzolamide Study Group

# ARCHIVES

## OPHTHALMOLOGY

## Editor:

**Daniel M. Albert, MD**  
Suite 102  
2870 University Ave  
Madison, WI 53705  
(608) 262-7769  
Fax: (608) 265-5896

## Associate Editor:

**Richard E. Appen, MD**  
Madison, Wis

## Assistant Editor:

**Leonard A. Levin, MD, PhD**  
Madison, Wis

## Manager, Editorial Operations:

**Eleanor Albert, MA**  
Madison, Wis

Assistant Manager,  
Editorial Operations:

**Laura Hayes Hoffman**  
Madison, Wis

## Focus on Eye Care:

**Stephen A. Obstbaum, MD**  
New York, NY

## Socioeconomics of Ophthalmology:

**David A. Durfee, MD**  
Oregon City, Ore

## Book Reviews:

**Thomas A. Farrell, MD**  
Madison, Wis

## Clinicopathologic Reports:

**W. Richard Green, MD**  
Baltimore, Md

## Photo Essays:

**Elisabeth J. Cohen, MD**  
Philadelphia, Pa

## Ophthalmic Molecular Genetics:

**Edwin M. Stone, MD, PhD**  
Iowa City, Iowa

## The ARCHIVES Attends:

**Andrew P. Schachat, MD**  
Baltimore, Md

## Editorial Board:

**Eduardo C. Alfonso, MD**  
Miami, Fla

**Neil M. Bressler, MD**  
Baltimore, Md

**Monte del Monte, MD**  
Ann Arbor, Mich

**Thaddeus P. Dryja, MD**  
Boston, Mass

**Robert A. Goldberg, MD**  
Los Angeles, Calif

**Barbara S. Hawkins, PhD**  
Baltimore, Md

**Eve J. Higginbotham, MD**  
Baltimore, Md

**Jonathan C. Javitt, MD, MPH**  
Washington, DC

**Douglas H. Johnson, MD**  
Rochester, Minn

**Dan B. Jones, MD**  
Houston, Tex

**Simmons Lessell, MD**  
Boston, Mass

**Charles E. Letocha, MD**  
York, Pa

**Peter J. McDonnell, MD**  
Los Angeles, Calif

**Alice R. McPherson, MD**  
Houston, Tex

**William F. Mieler, MD**  
Milwaukee, Wis

**Michael B. Raizman, MD**  
Boston, Mass

**Arthur L. Rosenbaum, MD**  
Los Angeles, Calif

**Robin D. Ross, MD**  
Iowa City, Iowa

# ARCHIVES

## OPHTHALMOLOGY

<b>Quantitative Assessment of Macular Edema With Optical Coherence Tomography</b> <i>Michael R. Hee, MS; Carmen A. Puliafito, MD; Carlton Wong, MS; Jay S. Duker, MD; Elias Reichel, MD; Bryan Rutledge, MD; Joel S. Schuman, MD; Eric A. Swanson, MS; James G. Fujimoto, PhD</i>	1019	<b>Efficacy of Equator Rings in an Experimental Rabbit Study</b> <i>Tsutomu Hara, MD; Takako Hara, MD; Kotaro Sakanishi; Yoshiharu Yamada, PhD</i>	1060
<b>Asymptomatic Rhegmatogenous Retinal Detachments</b> <i>Roy D. Brod, MD; Harry W. Flynn, Jr, MD; David A. Lightman, MD</i>	1030	<b>Selective Loss of Blue Cones and Rods in Human Retinal Detachment</b> <i>T. Michael Nork, MD; Lyndell L. Millecchia, PhD; Bryan D. Strickland, MD; John V. Linberg, MD; Gung-mei Chao, PhD</i>	1066
<b>A Comparison of Driving in Older Subjects With and Without Age-Related Macular Degeneration</b> <i>Janet P. Szlyk, PhD; Claire E. Pizzimenti, OD; Gerald A. Fishman, MD; Roger Kelsch, RKT; Linda C. Wetzel, PhD; Scott Kagan; Kong Ho, MS</i>	1033	Photo Essays	
<b>Anterior Ischemic Optic Neuropathy Secondary to Interferon Alfa</b> <i>Valerie A. Purvin, MD</i>	1041	<b>Evolution of a Retinal Hemorrhage in a Patient With Sickle Cell-Hemoglobin C Disease</b> <i>Jan C. van Meurs</i>	1074
<b>Painful Oculomotor Palsy Caused by Posterior-Draining Dural Carotid Cavernous Fistulas</b> <i>Marie D. Acierno, MD; Jonathan D. Trobe, MD; Wayne T. Cornblath, MD; Stephen S. Gebariski, MD</i>	1045	<b>Lightning-Induced Ocular Injury</b> <i>Wolf-Dietrich A. Lagrèze, MD; Thomas G. Bömer, MD; Lloyd Paul Aiello, MD, PhD</i>	1076
Clinicopathologic Report		Correction	
<b>Management of Overfiltering and Leaking Blebs With Autologous Blood Injection</b> <i>Martha Motuz Leen, MD; Marlene R. Moster, MD; L. Jay Katz, MD; Annette K. Terebuh, MD; Courtland M. Schmidt, MD; George L. Spaeth, MD</i>	1050	<b>Retinal Arteriovenous Communications in the Morning Glory Disc Anomaly</b> <i>Michael C. Brodsky, MD; R. Sloan Wilson, MD</i>	981
Laboratory Sciences		Regular Departments	
<b>Experimental Globe Rupture After Excimer Laser Photorefractive Keratectomy</b> <i>Yochanan Burnstein, MD; David Klapper, MD; Peter S. Hersh, MD</i>	1056	<b>Index to Advertisers</b>	954
		<b>Instructions for Authors</b>	963
		<b>The ARCHIVES Attends</b>	967
		<b>News and Comment</b>	979
		<b>Obituaries</b>	980
		<b>Continuing Medical Education</b>	1078
		<b>Physician Recruitment Advertising</b>	1079