

ARCHIVES

OF

OPHTHALMOLOGY

MARCH 2008 VOLUME 126, NUMBER 3 PAGES 297-448

CLINICAL SCIENCES

Intraocular Pressure—Lowering Effects and Safety of Topical Administration of a Selective ROCK Inhibitor, SNJ-1656, in Healthy Volunteers 309
Hidenobu Tanihara, MD; Masaru Inatani, MD; Megumi Honjo, MD; Hideki Tokushige, MS; Junichi Azuma, MD; Makoto Araie, MD

Macular Dystrophy Associated With the A3243G Mitochondrial DNA Mutation: Distinct Retinal and Associated Features, Disease Variability, and Characterization of Asymptomatic Family Members 320
Michel Michaelides, MD, MRCOphth; Sharon A. Jenkins, BSc; Doris-Eva Bamiou, MD; Mary G. Sweeney, PhD; Mary B. Davis, PhD; Linda Luxon, PhD; Alan C. Bird, MD; Pamela P. Rath, MD

Correlation of Functional Impairment and Morphological Alterations in Patients With Group 2A Idiopathic Juxtafoveal Retinal Telangiectasia 330
Steffen Schmitz-Valckenberg, MD; Kristie Fan, MS; Alex Nugent, MS; Gary S. Rubin, PhD; Tunde Peto, MD; Adnan Tufail, MD; Cathy Egan, MD; Alan C. Bird, MD; Fred W. Fitzke, PhD

Age at Onset Curves of Retinitis Pigmentosa 337
Motokazu Tsujikawa, MD, PhD; Yuko Wada, MD; Marie Sukegawa, MD; Miki Sawa, MD; Fumi Gomi, MD; Kohji Nishida, MD; Yasuo Tano, MD

Penetration of Voriconazole, 1%, Eyedrops Into Human Aqueous Humor: A Prospective Open-Label Study 343
David Lau, BPharm, MRPharmS; Mervyn Fedinands, MBBS(Hons); Lok Leung, BPharm(Hons); Robert Fullinjaw, BSc, DSc; David Kong, PhD, BPharm, MPharm; Geoff Davies, BPharm; Mark Daniell, MBBS, MS, FRACS, FRANZCO

LABORATORY SCIENCES

Effect of Human Tears on *Acanthamoeba*-Induced Cytopathic Effect 348
Zhiyi Cao, MD; Chandrasagar Saravanan, DVM; Michael H. Goldstein, MD; Helen K. Wu, MD; Gunisha Pasricha, PhD; Savitri Sharma, MD; Noorjahan Panjwani, PhD

EPIDEMIOLOGY

Associations Between Age-Related Nuclear Cataract and Lutein and Zeaxanthin in the Diet and Serum in the Carotenoids in the Age-Related Eye Disease Study (CAREDS), an Ancillary Study of the Women's Health Initiative 354 CME
Suzen M. Moeller, PhD; Rick Volland, PhD; Lesley Tinker, PhD; Barbara A. Blodi, MD; Michael L. Klein, MD; Karen M. Gehrs, MD; Elizabeth J. Johnson, PhD; D. Max Snodderly, PhD; Robert B. Wallace, MD; Richard J. Chappell, PhD; Niyati Parekh, RD(India), PhD; Cheryl Ritenbaugh, PhD, MPH; Julie A. Mares, PhD; for the CAREDS Study Group

Open-angle Glaucoma and Mortality: The Barbados Eye Studies 365
Suh-Yuh Wu, MA; Barbara Nemesure, PhD; Anselm Hennis, PhD, FRCP; Andrew P. Schachat, MD; Leslie Hyman, PhD; M. Cristina Leske, MD, MPH; for the Barbados Eye Studies Group

OPHTHALMIC MOLECULAR GENETICS

A Novel Variant of Combined Granular-Lattice Corneal Dystrophy Associated With the Met619Lys Mutation in the *TGFBI* Gene 371
Anthony J. Aldave, MD; Vivek S. Yellore, PhD; Baris Sonmez, MD; Nirit Bourla, MD; Andrew K. Salem, BS; M. Ali Khan, BA; Sylvia A. Rayner, BSc; Ben J. Glasgow, MD

Discordant Phenotypes in Fraternal Twins Having an Identical Mutation in Exon ORF15 of the *RPGR* Gene 379
Saloni Walia, MD; Gerald A. Fishman, MD; Anand Swaroop, PhD; Kari E. H. Branham, MS; Martin Lindeman, COMT; Mohammad Othman, PhD; Richard G. Weleber, MD

| | |
|---|---|
| <p>Novel and Recurrent KIF21A Mutations in Congenital Fibrosis of the Extraocular Muscles Type 1 and 3 388 <i>Shasha Lu, MD, PhD; Chen Zhao, MD, PhD; Kanxing Zhao, MD, PhD; Ningdong Li, MD, PhD; Catharina Larsson, MD, PhD</i></p> | <p>Genomics in the Era of Molecular Ophthalmology: Reflections on the National Ophthalmic Disease Genotyping Network (eyeGENE) 424 <i>Brian P. Brooks, MD, PhD; Ian M. MacDonald, MD; Santa J. Tumminia, PhD; Nizar Smaoui, MD; Delphine Blain, MS, MBA; Ajaina A. Nezhuvungal, MS; Paul A. Sieving, MD, PhD</i></p> |
| <p>New Mutation, P575L, in the GUCY2D Gene in a Family With Autosomal Dominant Progressive Cone Degeneration 397 <i>Kent W. Small, MD; Rosamaria Silva-Garcia, MD; Nitin Udar, PhD; Eddy V. Nguyen, MD; John R. Heckenlively, MD</i></p> | <p>Understanding the Critical Importance of Diagnosis in the Measurement of Quality of Care 426 <i>Paul Lee, MD, JD; Dana M. Blumberg, MD</i></p> |
| SURGICAL TECHNIQUE | |
| <p>Microkeratome-Assisted Anterior Lamellar Keratoplasty 404 <i>Lee A. Wiley, MD; Mark A. Joseph, MD; John D. Pemberton, MD</i></p> | <p>Clinical Manifestation of a Novel PAX6 Mutation Arg128Pro 428 <i>Cecilie Bredrup, MD; Per M. Knappskog, PhD; Eyvind Rødahl, MD, PhD; Helge Boman, MD, PhD</i></p> |
| SMALL CASE SERIES | |
| LETTERS: RESEARCH LETTERS | |
| CONTROVERSIES | |
| <p>Cytogenetics in the Management of Uveal Melanoma: Are We There Yet? 409 <i>Dennis M. Robertson, MD</i></p> | <p>Developmental Glaucoma With Chromosomal Abnormalities of 9p Deletion and 13q Duplication 431 <i>Rei Sakata, MD; Tomohiko Usui, MD; Masakazu Mimaki, MD; Makoto Araie, MD</i></p> |
| <p>The Future Promise and the Current Reality of Genetic Prognostication in Patients With Uveal Melanoma 413 <i>Tony Tsai, MD; Joan M. O'Brien, MD</i></p> | <p>Autoantibodies Against Bestrophin in a Patient With Vitelliform Paraneoplastic Retinopathy and a Metastatic Choroidal Malignant Melanoma 432 <i>Louise Eksandh, MD, PhD; Grazyna Adamus, PhD; Lori Mosgrove, BS; Sten Andréasson, MD, PhD</i></p> |
| <p>Role of Cytogenetics in Management of Uveal Melanoma 416 <i>Jerry A. Shields, MD; Carol L. Shields, MD; Miguel Materin, MD; Takami Sato, MD; Arupa Ganguly, PhD</i></p> | <p>Central Corneal Thickness and Optic Disc Hemorrhages: The Beijing Eye Study 435 <i>Liang Xu, MD; Haitao Zhang, MD; Ya Xing Wang, MD; Jost B. Jonas, MD</i></p> |
| COMMENTARY | |
| <p>Association Between LOXLI and Pseudoexfoliation 420 <i>Janey L. Wiggs, MD, PhD</i></p> | <p>Primary Clear Cell Carcinoma of the Conjunctiva 436 <i>Curtis E. Margo, MD, MPH; Lewis R. Groden, MD</i></p> |
| EDITORIALS | |
| <p>Genomic Promise: Personalized Medicine for Ophthalmology 422 <i>Janey L. Wiggs, MD, PhD</i></p> | <p>Giant Intrascleral Cyst Treated With Trichloroacetic Acid 438 <i>Emily B. Graubart, MD; G. Baker Hubbard III, MD</i></p> |
| LETTERS: COMMENTS AND OPINIONS | |
| <p>Hypopigmentary Fundus Changes With Cutaneous Vitiligo 439 <i>Johannes R. Vingerling, MD; Sarah Owens, MD; Willem I. van der Meijden, MD; Carel B. Hoyng, MD; Alan C. Bird, MD</i></p> | |

ARCHIVES

OF

OPHTHALMOLOGY

OBITUARIES

G. Richard O'Connor, MD 441
Gary N. Holland, MD;
Todd P. Margolis, MD, PhD;
Stephen D. McLeod, MD;
John P. Whitcher, MD

Rufus Howard, MD 442
Robert L. Lesser, MD

REGULAR DEPARTMENTS

Online CME Quiz Questions 308
Ophthalmological Ephemera 352
Online CME Article 354
Archives Web Quiz Winner 408
Ophthalmic Images 419, 421
Call for Papers 427
Classified Advertising 444
Journal Advertiser Index 447
Contact Information 448

Instructions for authors and the author and subject indexes are available on our Web site: <http://www.archophthalmol.com>. If you do not have access to the Web, contact Laura C. Cruz at (608) 262-7769.