

AMERICAN JOURNAL OF OPHTHALMOLOGY[®]

VOLUME 149

ARE YOU COMPLIANT WITH ADDRESSING GLAUCOMA ADHERENCE?

Mansberger

**WHEN SHOULD ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR TREATMENT BE STOPPED
IN AGE-RELATED MACULAR DEGENERATION?**

Gaudric and Cohen

**FROM THE LABORATORY TO THE CLINIC: MOLECULAR GENETIC TESTING IN PEDIATRIC
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**SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY: A COMPARISON OF MODERN
HIGH-RESOLUTION RETINAL IMAGING SYSTEMS**

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THE VITREOUS GEL: MORE THAN MEETS THE EYE

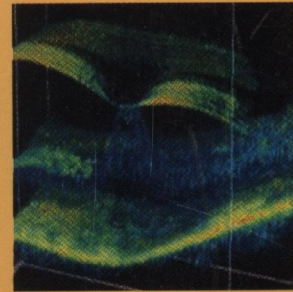
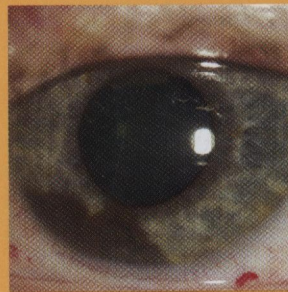
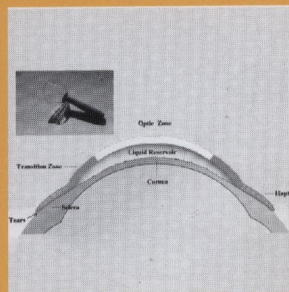
Holekamp

**AIRSOFT GUN-RELATED OCULAR INJURIES: NOVEL FINDINGS, BALLISTICS INVESTIGATION,
AND HISTOPATHOLOGIC STUDY**

Kratz, Levy, Cheles, and Co-Authors

MANAGEMENT OF IRIS MELANOMAS WITH ¹²⁵IODINE PLAQUE RADIOTHERAPY

Fernandes, Krema, Fulda, and Co-Authors



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PERSPECTIVE

- 371 Posterior vitreous detachment: evolution and complications of its early stages. *Mark W. Johnson*
In contrast to the common clinical perception, age-related posterior vitreous detachment begins in the perifoveal macula and progresses slowly over months to years before vitreopapillary separation. Its early stages are occult and asymptomatic in most individuals, but may be associated with vitreous traction forces on the macula and optic nerve head. This traction can induce a variety of macular and

optic disc pathologic features, determined in part by the size and strength of the residual vitreoretinal adhesion.

ORIGINAL ARTICLES

- 383 Wavefront analysis, contrast sensitivity, and depth of focus after cataract surgery with aspherical intraocular lens implantation. *Marcony R. Santhiago, Marcelo V. Netto, Jackson Barreto, Jr, Beatriz A. F. Gomes, Adriana Mukai, Ana Paula Calil Guernandi, and Newton Kara-Junior*
This prospective, randomized study was undertaken to determine whether implantation of an aspherical intraocular lens with anterior and posterior prolate surface results in reduced spherical aberration and improved contrast sensitivity compared with spherical intraocular lens after cataract surgery. The study showed that the aspherical intraocular lens induced significantly less spherical aberration and better contrast sensitivity results mainly under mesopic conditions without critical reduction of depth of focus.
- 390 Complications and clinical outcomes of Descemet stripping automated endothelial keratoplasty with intraocular lens exchange. *Anand K. Shah, Mark A. Terry, Neda Shamie, Edwin S. Chen, Paul M. Phillips, Karen L. Hoar, Daniel J. Friend, and David Davis-Boozer*
Descemet stripping automated endothelial keratoplasty (DSAEK) was combined with intraocular lens exchange in 19 eyes and yielded no dislocations, primary graft failures, or pupillary block episodes when compared with an age- and time-matched comparison group of eyes undergoing DSAEK surgery alone. Endothelial cell loss was 33% at 6 months, similar to DSAEK alone.

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- 398 **Non-syndromic supernumerary caruncles causing ocular irritation after cataract surgery: a critical review of caruncular dysgeneses.** Frederick A. Jakobiec, Helene Lam, Pooja Bhat, and Roberto Pineda

After phacoemulsification, a patient experienced persistent ocular irritation. Two histopathologically verified supernumerary caruncles, presumably congenital but previously undiscovered, were found on the inferior palpebral conjunctiva in addition to a normal caruncle. Excision led to disappearance of the patient's symptoms. No other local or systemic abnormalities were discovered. In contrast, ectopic caruncles are malformed inferonasal displacements from their normal location. They are frequently associated with ocular adnexal or systemic disorders, particularly Goldenhar syndrome.

- 405 **A simplified quantitative method for assessing keratoconjunctivitis sicca from the Sjögren's Syndrome International Registry.** John P. Whitcher, Caroline H. Shiboski, Stephen C. Shiboski, Ana Maria Heidenreich, Kazuko Kitagawa, Shunhua Zhang, Steffen Hamann, Genevieve Larkin, Nancy A. McNamara, John S. Greenspan, Troy E. Daniels, for the Sjögren's International Collaborative Clinical Alliance Research Groups

Based on 1208 prospectively evaluated participants in an international cohort, the authors describe a new ocular grading system for assessing keratoconjunctivitis sicca (KCS) using lissamine green and fluorescein. Strong associations were found between abnormal ocular staining, positive serum autoantibodies, and positive labial salivary gland biopsy focus scores. Analysis of the overlapping relationships of these 3 measures defined a large group of participants who had KCS without components of Sjögren syndrome, representing a distinct clinical entity.

- 416 **Quality of life in keratoconus patients after penetrating keratoplasty.** Elvin H. Yildiz, Elisabeth J. Cohen, Ajoy S. Viridi, Kristin M. Hammersmith, Peter R. Laibson, and Christopher J. Rapuano

A cross-sectional study was conducted to determine vision-related quality of life in keratoconus patients after penetrating keratoplasty. Patients with visual acuity better than 20/40 showed significantly higher scores in all subscales except color vision. There was a significant relationship between minimum time since the graft of 5 years or greater and overall score better than age-related macular degeneration category 3.

- 423 **Mycophenolate mofetil for ocular inflammation.** Ebenezer Daniel, Jennifer E. Thorne, Craig W. Newcomb, Siddharth S. Pujari, R. Oktay Kaçmaz, Grace A. Levy-Clarke, Robert B. Nussenblatt, James T. Rosenbaum, Eric B. Suhler, C. Stephen Foster, Douglas A. Jabs, and John H. Kempen

This retrospective cohort study followed 236 ocular inflammation patients from initiation of mycophenolate mofetil as a single immunosuppressant (with or without corticosteroids). Among these patients, 53% and 73% achieved complete control of inflammation for at least 28 days within the first 6 months and 12 months of therapy, and 41% and 55% maintained such control after tapering systemic prednisone to 10 mg/day or less; 12% of patients discontinued use within the first year because of side effects.

- 433 **Viral retinitis after intravitreal triamcinolone injection in patients with predisposing medical comorbidities.** Ankur M. Shah, Stephen F. Oster, and William R. Freeman

This study is a retrospective, observational case series of 3 patients from a single center in whom viral retinitis developed after intravitreal triamcinolone injection for macular edema. A relatively high overall incidence of 0.41% was found for this complication, with an even higher incidence of 0.90% within a subgroup of patients