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ORIGINAL ARTICLES

- **203 Incidence of fellow eye retinal detachment resulting from macular hole.** *Yoshinori Oie, MD, and Kazuyuki Emi, MD*

The incidence of retinal detachment attributable to macular hole in fellow eyes was estimated by Kaplan-Meier analysis to be 3.7% at 18 months and 8.0% at five years. The probability of the fellow eyes with high myopia developing retinal detachment attributable to macular hole was significantly higher than that of eyes without high myopia ($P = .0304$). Highly myopic fellow eyes of retinal detachment attributable to macular hole should be examined and followed carefully.

- **206 Effects of long-term zinc supplementation on plasma thiol metabolites and redox status in patients with age-related macular degeneration.** *Siobhan E. Moriarty-Craige, BS, Khoi-Nguyen Ha, BS, Paul Sternberg, Jr, MD, Michael Lynn, MS, Susan Bressler, MD, Gary Gensler, MS, and Dean P. Jones, PhD*

As an ancillary study of the Age-Related Eye Disease Study (AREDS), the report by Sternberg, Jr, and associates showed that plasma thiol metabolites and their redox status can potentially be used to monitor the therapeutic effects of dietary supplementation of antioxidants and zinc. Long-term zinc usage in age-related macular degeneration (AMD) patients resulted in a decrease in the plasma cystine concentration, and such change might be beneficial to the retinal pigment epithelial (RPE) function.

- **212 Serum dehydroepiandrosterone sulphate level in age-related macular degeneration.** *Cengaver Tamer, MD, Hüseyin Oksuz, MD, and Sadik Söğüt, MD*

We investigated the possible relationship between serum dehydroepiandrosterone sulphate (DHEAS) level and age-

related macular degeneration (AMD). A decrease in DHEAS serum level compared with controls as well as an inverse relation with AMD severity scale was found. These findings may suggest a possible role for DHEAS in the pathogenesis of AMD.

- **217 Treatment of rhegmatogenous retinal detachment in teenagers by pneumatic retinopexy technique.** *San-Ni Chen, MD, and Jiunn-Feng Hwang, MD*

Nineteen young patients underwent pneumatic retinopexy for primary rhegmatogenous retinal detachment (RD) having the characteristics of small atrophic hole and shallow detachment. All patients were myopic and phakic. Most patients had pathology in the fellow eyes. Rhegmatogenous RD in teenagers can be treated by the pneumatic retinopexy procedure with an overall successful rate as in adults.

- **222 Successful treatment of resistant ocular fusariosis with posaconazole (SCH-56592).** *Elmer Y. Tu, MD, David L. McCartney, MD, Richard F. Beatty, MD, Kathryn L. Springer, MD, Jaime Levy, MD, and Deepak Edward, MD*
- Additional treatment options are needed for *Fusarium* keratitis. This case series reviews the successful resolution with a new oral triazole, posaconazole, of cases of *Fusarium* keratitis and associated endophthalmitis after treatment failure with other antifungal agents.

- **228 Quality of vision and graft thickness in deep anterior lamellar and penetrating corneal allografts.** *Navid Ardjomand, MD, Scott Hau, OD, James C. McAlister, MD, Catey Bunce, DSC, David Galaretta, MD, Stephen J. Tuft, MD, and Daniel F. P. Larkin, MD*

Deep anterior lamellar keratoplasty (DALK) is gaining popularity within the last years since the visual acuity can be similar to eyes with penetrating keratoplasty (PK).

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