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ORIGINAL ARTICLES

- **577 Correlation of visual and refractive outcomes between eyes after same-session bilateral laser in situ keratomileusis surgery.** *Russell N. Van Gelder, MD, PhD, Karen Steger-May, MA, and Jay S. Pepose, MD, PhD*

Patients undergoing same-day bilateral LASIK have a very high correlation of outcomes between the two eyes. A suboptimal outcome in one eye strongly predicts a suboptimal outcome in the fellow eye.

- **584 Increased endothelial cell density in the paracentral and peripheral regions of the human cornea.** *Josef Amann, MD, MPH, Glenn P. Holley, BS, Sang-Bumm Lee, MD, and Henry F. Edelhauser, PhD*

The human cornea has an increased endothelial density in the paracentral and peripheral region of the cornea compared to the central region. The superior peripheral region of the corneal endothelium has the largest increase in endothelial cell density.

- **591 Proposed pathogenesis for the delayed postoperative opacification of the Hydroview hydrogel intraocular lens.** *Michael W. Dorey, MD, Seymour Brownstein, MD, Vivian E. Hill, MD, Benjamin Mathew, MD, Gianluigi Botton, PhD, Peter J. Kertes, MD, and Sherif El-Defrawy, MD, PhD*

The delayed postoperative opacification of the Hydroview hydrogel intraocular lens is associated with silicon deposition, presumably from the silicone gasket in the packaging system, which serves as a nidus for calcium deposition within this intraocular lens.

- **599 A self-administered health questionnaire for the preoperative risk stratification of patients undergoing cataract surgery.** *Sherman W. Reeves, MD, MPH, James M. Tielsch, PhD, Joanne Katz, ScD, Eric B. Bass, MD, MPH, and Oliver D. Schein, MD, MPH*

The authors sought to determine if a self-administered health status questionnaire completed by candidates for cataract surgery is beneficial for identifying medical comorbidities and patients at risk for adverse intraoperative and postoperative medical events. The self-administered questionnaire showed a high degree of specificity for 12 common comorbid conditions in cataract patients. A questionnaire such as this may be useful in preoperative risk stratification.

- **607 A new method for tear film stability analysis using videokeratography.** *Tomoko Goto, MD, Xiaodong Zheng, MD, PhD, Stephen D. Klyce, PhD, Hisashi Kataoka, MS, Toshihiko Uno, MD, PhD, Mike Karon, PhD, Yoshiyuki Tatematsu, MD, Takeo Bessyo, MD, Kazuo Tsubota, MD, and Yuichi Ohashi, MD*

Corneal topographic map is subject to change due to slight variations in the tear film. The authors inversely utilized this phenomenon to develop a new noninvasive, objective, and reproducible method for tear film stability analysis using videokeratography.

- **613 Lecithin-bound superoxide dismutase in the treatment of noninfectious corneal ulcers.** *Shigeto Shimmura, MD, Rie Igarashi, PhD, Hiromoto Yaguchi, MD, Yoshie Ohashi, MD, Jun Shimazaki, MD, and Kazuo Tsubota, MD*
- A lipophilic analog of superoxide dismutase, an enzyme

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