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FEMTOSECOND LASERS IN OPHTHALMOLOGY

Soong and Malta

TEAR CYTOKINE PROFILES IN DYSFUNCTIONAL TEAR SYNDROME

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A COMPARISON OF VITAMIN A AND CYCLOSPORINE A 0.05% EYE DROPS FOR TREATMENT OF DRY EYE SYNDROME

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LIQUID NITROGEN CRYOTHERAPY OF SUPERIOR LIMBIC KERATOCONJUNCTIVITIS Fraunfelder

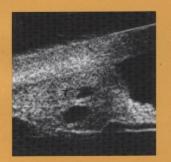
INTER-DEVICE VARIABILITY OF THE STRATUS OPTICAL COHERENCE TOMOGRAPHY Barkana, Burgansky-Eliash, Gerber, and Co-Authors

PROSPECTIVE COMPARISON OF CIRRUS AND STRATUS OPTICAL COHERENCE TOMOGRAPHY FOR QUANTIFYING RETINAL THICKNESS

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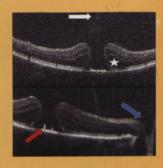
REDUCED ZINC AND COPPER IN THE RETINAL PIGMENT EPITHELIUM AND CHOROID IN AGE-RELATED MACULAR DEGENERATION

Erie, Good, Butz, and Pulido









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ORIGINAL ARTICLES

- 768 Ten-year follow-up of excimer laser surface ablation for myopia in thin corneas. Laura de Benito-Llopis, Jorge L. Alió, Dolores Ortiz, Miguel A. Teus, and Alberto Artola Seventy-five eyes with corneas thinner than 500 µm operated with surface ablation to correct myopia and myopic astigmatism showed stability of refraction and topography and good safety and efficacy indices over a 10-year follow-up period.
- 774 One-year follow-up of corneal confocal microscopy after corneal cross-linking in patients with post laser in situ keratosmileusis ectasia and keratoconus. George D. Kymionis, Vasilios F. Diakonis, Maria Kalyvianaki, Dimitra Portaliou, Charalampos Siganos, Vasilios P. Kozobolis, and Aristophanis I. Pallikaris

In patients with post laser in situ keratosmileusis (LASIK) keratectasia and keratoconus, keratocyte nuclei apoptosis in the anterior and intermediate corneal stroma along with collagen alterations were observed during the first 3 post-corneal cross-linking months. Gradual keratocyte repopulation was demonstrated over the following months.

Corneal alterations after corneal cross-linking were similar in both keratoconic and post-LASIK corneal ectasia eyes.

• 779 Correction of postkeratoplasty astigmatism by femtosecond laser compared with mechanized astigmatic keratotomy. Louis Hoffart, Helene Proust, Frederic Matonti, John Conrath, and Bernard Ridings

The results of arcuate keratotomy carried out with femtosecond laser were effective in reducing postkeratoplasty astigmatism. This device made performing arcuate incisions safer and easier than manual techniques.

• 788 Accuracy of corneal astigmatism estimation by neglecting the posterior corneal surface measurement. Jau-Der Ho, Ching-Yao Tsai, and Shiow-Wen Liou Both the anterior and posterior corneal surfaces were measured by a rotating Scheimpflug camera on the right eyes of 493 subjects. It was found that the astigmatism of

the posterior corneal surface might significantly contribute to the total corneal astigmatism. Neglecting the posterior corneal surface measurement in estimating the corneal astigmatism can lead to significant inaccuracies in estimating the magnitude or axis of the total corneal astigmatism in a proportion of eyes.

• 796 The use of postoperative slit-lamp optical coherence tomography to predict primary failure in Descemet stripping automated endothelial keratoplasty. Carolyn Y. Shih, David C. Ritterband, Pat-Michael Palmiero, John A. Seedor, George Papachristou, Noga Harizman, Jeffrey M. Liebmann, and Robert Ritch

In this retrospective, cross-sectional study, an analysis of 93 eyes that underwent Descemet stripping automated endothelial keratoplasty (DSAEK) revealed that corneal thickness measurements made with slit-lamp optical coherence tomography are an important predictor of primary DSAEK failure in

