ACROSS THE POND

Tidbits from what your international colleagues are reading in *CRST Europe*.

SURGICAL SENSE

LASER AND MANUAL CAPSULOTOMIES: STRUCTURAL DIFFERENCES

By Harvey Siy Uy, MD

The enhanced precision and accuracy of anterior capsulotomies created with the femtosecond laser have made the creation of a capsular opening an easier task for surgeons. At the microstructural level, however, there are concerns about the safety of using the laser to create a capsulotomy. Optimizing pulse energy levels and the speed of treatment may lead to improvements in the strength of the laser capsular opening's edges.

crstodayeurope.com/2015/10/laser-and-manual-capsulotomies-structural-differences

IS THERE A NEED TO ACCOUNT FOR CTR-INDUCED REFRACTIVE CHANGES WHEN CALCULATING IOL POWER?

By Arup Bhaumik, MD; Santanu Mitra, MBBS, DOMS; Arup Chakrabarti, MS; and Meena Chakrabarti, MS, DNB

In eyes with mildly to moderately subluxated cataracts in which capsular tension ring (CTR) implantation alone is sufficient, the device will probably have no influence on the IOL's postoperative position or the subjective refraction. In more challenging cases in which capsular bag fixation with a modified CTR is necessary, the postoperative axial position of the IOL may change depending upon the CTR fixation technique used.

crstodayeurope.com/2015/09/is-there-a-need-to-account-for-ctr-induced-refractive-changes-when-calculating-iol-power

IOL TECHNOLOGY

WHERE CIRCADIAN RHYTHMS AND IOL TECHNOLOGY MERGE

By Francis Ferrari, MD

The Focus Acrylic éclipse lens (eyePx; distributed by Ophta France; not available in the United States) incorporates a pigment with photochromic properties that block harmful blue light and help maintain patients' circadian rhythms.

crstodayeurope.com/2015/09/where-circadian-rhythms-and-iol-technology-merge

ONES TO WATCH: PREMIUM IOL TECHNOLOGIES

By Jorge L. Alió, MD, PhD, FEBO

The improvements in toric and multifocal IOLs, while impressive, do not mean evolution is complete. Developments will continue, and three areas of potential progress are clear: custom-asphericity IOLs, accommodating IOLs, and low-vision IOLs. This article highlights some of the premium IOL technologies that are currently at the top of Dr. Alió's list or could be on his list in the near future.

crstodayeurope.com/2015/09/ones-to-watch-premium-iol-technologies ■