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Early experience with a new toric IOL for correction of astigmatism in cataract surgery

Poster Details

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Abstract Details

Purpose:
To report early clinical experience with a foldable, hydrophobic acrylic, natural yellow, single piece design, injectable, toric IOL.

Setting:
Bahcesehir University Faculty of Medicine, Medical Park Hospital Goztepe, Istanbul, Turkey

Methods:
Keratometric, refractive and visual data were collected on patients listed for cataract surgery. TO IOLs were suggested to where corneal cylinder was greater than or equal 1.00 diopters. Bilateral implantation of Eyecryl Toric IOL was performed after phacoemulsification. The following parameters were carried out; uncorrected visual acuity (UCVA), best corrected visual acuity (BCVA), residual keratometric and refractive cylinders, and post-op rotational stability of IOL. The eyes were followed for 3 months.

Results:
The study included 40 eyes of 20 patients. The UCVA was 0.3 LogMAR (20/40 SNELLEN) or better in 96.7% of eyes and 0.1 LogMAR (20/25 SNELLEN) or better in 62.00%. The mean residual refractive astigmatism was 0.5 ± 0.5 (SD). All eyes achieved 0.1 LogMAR (20/25 SNELLEN) or better BCVA. At last follow up visit IOL alignment was within ± 5° in % 93 of patients and ± 10° in % 99 of patients

Conclusions:
Based on our early postoperative experience, we have found Eyecryl Toric IOL is safe and efficacious and reduces the refractive effects of pre-existing corneal astigmatism. FINANCIAL INTEREST: O of more of the authors... receives consulting fees, retainer, or contract payments from a company producing, developing or supplying the product or procedure presented. One of more of the authors... travel has been funded, fully or partially, by a competing company

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