



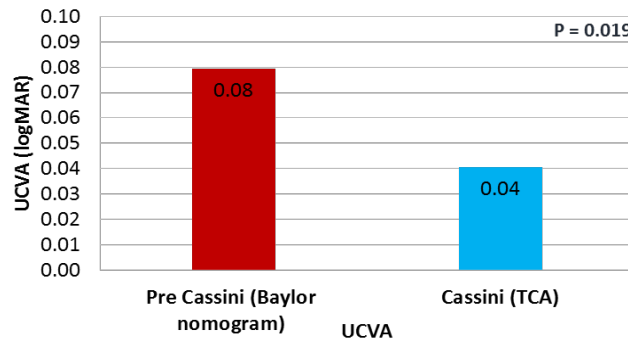
Comparison of Toric IOL Results between Multicolor LED Total Corneal Analysis versus Nomogram-Adjusted Keratometry

Nomogram adjustment methods may suffer from inaccuracies by not taking into account or by assuming a fixed location of the steep meridian of the posterior corneal astigmatism. Directly measuring posterior corneal astigmatism with Cassini Total Corneal Astigmatism (TCA) can provide superior results as compared with nomogram adjustment methods.

This study is a retrospective chart review of eyes implanted with toric IOLs using either nomogram-adjusted anterior keratometry (Baylor nomogram adjustment) or keratometry based on individual measurements with Cassini TCA. Outcomes with nomogram-adjusted anterior keratometry (prior to implementation of Cassini TCA technology) were compared to outcomes after implementation of Cassini TCA.

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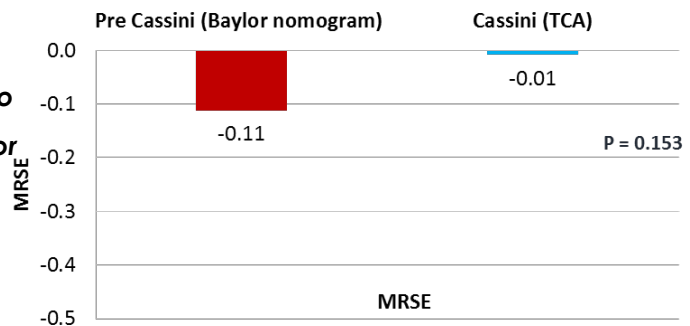
Postoperative uncorrected visual acuity



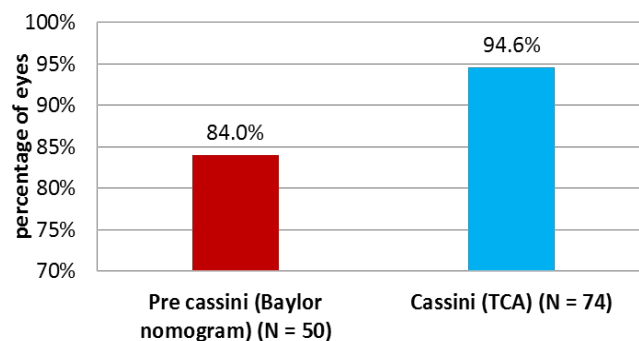
Postoperative uncorrected visual acuity improved after implementation of Cassini TCA from 0,08 to 0,04

Postoperative Manifest Refraction Spherical Equivalent (MRSE)

The postoperative manifest refraction spherical equivalent also improved from -0,11 prior to implementation to -0,01 after Cassini TCA implementation



Residual refractive Astigmatism



The percentage of patients with a postoperative residual refractive astigmatism lower than 0,5D improved from 84% to 94,6% after implementation of Cassini TCA

Data courtesy of
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