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Current understanding of posterior corneal astigmatism

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Evaluating patient's astigmatic error is not just about the shape of the front of the eye anymore. Failure to include posterior corneal curvature in the presurgical cataract calculations can bring unwanted refractive surprises for both patient and surgeon. There is a fair amount of astigmatism on the posterior surface of the cornea. Using an intraocular lens in which the lens calculation for toricity is based on the anterior cornea alone will lead to an overcorrection in eyes that have with-the-rule astigmatism and under correction in eyes with against-the-rule astigmatism. Posterior corneal astigmatism must be measured and the net astigmatism should be used in the toric lens calculation.

Biography

Ruchika Kedia has completed her DNB and DOMS in Ophthalmology from Maharashtra, India. She has been awarded three Gold Medals in her post-graduation. She has completed her Fellowship in Cataract and Refractive Surgery and is currently working as a Consultant in Wavikar Eye Institute, Thane, India as Cataract and Refractive Surgeon. She has keen interest in learning new technology and incorporating in practice.

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