

7th International Conference & Expo on

Euro Optometry and Vision Science

28th Global Dentists and Pediatric Dentistry Meeting **March 28-29, 2022**

11th World Heart Congress

15th International Conference on

Genomics and Molecular Biology

WEBINAR

Sameena Anjum Sheriff, Gen Med 2022, Volume 10



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Toric intraocular lenses: Strategies to optimize your outcome

Introduction: With the increasing demand for refractive cataract surgery globally, toric Intraocular Lenses (IOL) have become the preferred choice for surgeons to correct corneal astigmatism of 1D or more during cataract surgery, and to provide patients spectacle free distance vision. They come with its own set of challenges; Inaccurate biometry, underestimating the Posterior corneal astigmatism, wrong axis marking, surgically induced astigmatism, postoperative rotation of these lenses may result in residual cylindrical errors and poor uncorrected visual acuity resulting in patient dissatisfaction.

Methods: We reviewed existing literature to identify the challenges associated with patient selection, preoperative evaluation, assessment of Posterior corneal astigmatism, accurate biometry, precise marking of axis, implantation of toric Intraocular Lenses and postoperative lens rotation and measures to optimize the outcome.

Results: We present a brief overview of toric IOLs currently available along with newer biometry platforms which take into account the surgically induced astigmatism, Posterior corneal curvature as well as the effective lens position to achieve perfect power calculation.

Newer image recognition devices and intraoperative aberrometry not only provides mark less IOL alignment but also aid in planning the incisions, capsulorhexis size and optimal IOL centration.

Conclusions: Carefully planned and executed cataract surgery with toric IOL implant can greatly optimize the visual outcome and improve patient's quality of life.

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Biography

Sameena Anjum Sheriff is a Cornea, Cataract & Refractive Surgeon. She is a Fellow of the Royal College of Surgeons, Glasgow, UK. She has done her masters in ophthalmology from M.S. Ramaih Medical College, Bangalore and was awarded gold medal as the best outgoing postgraduate student. Dr.Sheriff has been practicing Ophthalmology for more than 12*ys. She has extensive experience in the field of Cornea, Advanced cataract surgery and Refractive procedures. She also has vast experience in Managing Ocular trauma and has performed many anterior segment repair surgeries. She is an avid academician and has presented scientific papers and posters at national and international Ophthalmic meetings. Her areas of interest are Corneal Surface disorders, multifocal and toric IOLS, keratoconus, Wave front optics, Pterygium, and excimer laser ablation.

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