The greatest gift you can give your family is a 'healthy you'...
When was your last complete eye checkup?

Latest in Cataract Surgery at Shroff Eye: Computer Assisted Cataract Surgery

What is Computer Assisted Cataract Surgery?
Use of a highly advanced software system which captures patient and lens data (IOL-Intra Ocular Lens) in the clinic room and integrates it directly with the operating microscope, assisting the surgeon, thus increasing efficacy and patient safety. Literally the merging of man and machine!

Why is it needed?
Premium lenses offering various visual advantages to the patient. With such high end advanced technology lenses, it is but natural to expect better results. Accurate placement and alignment of such lenses are therefore very important. Even a small 3\(^\circ\) difference in alignment might result in values that are 10% of the initial power.

Advantages:
Pre operatively or before surgery:
- A high-resolution reference image of the patient’s eye with parameters like the radii and corneal curvature of steep and flat axes, pupil position and diameter etc is taken for measurements and calibrations
- Accurate keratometry mapping and image acquisition for added patient safety
- Considers the ‘torsion’ of eyeball when calibrating data in ‘sitting and lying’ down positions

Intra operatively or during surgery:
- Computer assistance is given to the surgeon through many steps of surgery including entry points and incisions, aiding surgical precision
- Eye-tracking technology
- Alignment system replaces manual marking
- Assists the surgeon in exact placement of the intracocular lens centred on the visual axis of the eye
- Less time consuming and minimizes risks

“We now have a highly advanced tool to guide us in real time resulting in a high level of surgical precision with a safer and more efficient surgery”
— Dr Anand Shroff, Cataract and LASIK surgeon at Shroff Eye, Mumbai.

Call us on +91 98211 63901 for more information on Computer Assisted Cataract Surgery

Post operatively or after removal of cataract:
For accurate placement of lens especially for Toric Lens alignment and Premium lenses

Shroff Eye Opener\(^*\) # 41
Do not touch your eyes without washing your hands in the monsoon.
Real Stories. Real People.

"I had an eye convergence issue. I was not able to read properly. Dr. Priti Mistry’s Vision Therapy sessions changed my life. I am writing this to thank her. As I am a theatre performer, reading is one of the most important parts of our profession. I was always embarrassed to read and felt like quitting the profession at one point. Though it’s been long since my treatment at Shroff Eye, I am writing the email to express my gratitude to the institute and the doctor. You have certainly changed my life. Keep helping and inspiring more patients in future".

– Mr. Jayant Kumar (Vision Therapy patient)

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Like the Shroff Eye Hospital Facebook page, share your comments, get updates, eye care facts, win prizes etc.

Shroff Eye Hospital is India’s first eye hospital to be accredited by JCI – Joint Commission International, USA for excellence in patient care and health care delivery since 2006

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