Cataract surgery can be an intimidating procedure for many.5 Fortunately, FLACS – a customised bladeless technique for cataract surgery – ensures better accuracy and safety compared to manual surgery.1,6,7

Talk to your doctor to determine if FLACS is the right procedure for you.

Is FLACS safe?

Studies have shown that FLACS procedures are as safe as conventional phacoemulsification surgeries, with a potential decrease in the risk of lens capsule ruptures.

References : 1. Hida W et al. Clin Ophthalmol 2017;11:1735-9. 2. Lawless M, Bala C. US Ophthalmic Rev 2014;7:82-8. **3.** Roberts HW et al. J Cataract Refract Surg 2019;45:11-20. 4. Ewe SY et al. Curr Opin Ophthalmol 2018;29:54-60. 5. Ramirez D et al. Clin Ophthalmol 2017;11:1979-86. 6. Whang W et al. Medicine 2018;97:52. 7. Nagy Z. Clin Ophthalmol 2014;8:1157-67.

For more information talk to your surgeon.

IMAGE GUIDED CATARACT SURGERY

EXPERIENCE A PROCEDURE CUSTOMISED JUST FOR YOU

Cataract surgery technology has taken yet another step forward with the new Image Guided System, designed to help customise and perform a procedure tailored specifically for your eyes with computer accuracy.

What to expect from your procedure

Image Guided Cataract Surgery allows the use high-resolution images of the eyes and other critical information throughout the entire procedure with image-guided precision. The system is designed to provide the visual results you desire and deserve.

Designed to keep the procedure on track

The Image Guided System assists in making sure everything about the procedure goes as planned.

- First, measurements and images of the eyes are taken non-invasively
- Next, a series of complex calculations are provided by the system to tailor and optimise the surgical plan for your eyes
- Finally, the surgical plan and high-resolution images of the eye to help precisely guide every phase of the procedure

Choose the precision of Image Guided Cataract Surgery

The latest innovation from Alcon, the world leader in eye-care, advanced Image Guided Cataract Surgery is designed for one purpose: to help give you the best possible vision after surgery.

Take advantage of computer-guided precision for once-in-a-lifetime cataract procedures.

For more information about Image Guided Cataract Surgery, talk to your eye surgeon.

Advanced technologies may be associated with some additional cost.

Talk to your doctor to learn more.

Our Accreditations

Organization Accredited by Joint Commission International

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Website: www.rfhospital.org | For general queries: info@rfhospital.org

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LASER CATARACT SURGERY

Sir H. N. Reliance Foundation Hospital

RESPECT FOR LIFE

DON'T LET CATARACT RESTRICT YOUR DAILY ROUTINE

OPT FOR ADVANCED CATARACT CARE

Centurion™ Vision System sets the new standard in cataract surgery

Technologies used in cataract surgery have been constantly evolving to give higher standards of performance and experience. The Centurion™ Vision System is one such innovation which provides surgeons with advanced surgical control and efficiency. This in turns gives better experience and outcome to the cataract patient.

Centurion™ Vision System is designed to optimise every moment of the cataract surgery procedure to improve patient outcomes. Integration with multiple technologies gives it superior efficiency as well as flexibility.

Centurion™ Vision System - Benefits for Patients

- **Advanced technology:**

  Centurion vision system is a recent advancement in cataract surgery technology.

- **Smooth surgical experience:**

  The Centurion Vision system helps in maintaining consistent conditions during surgery, so that patient can have a more stable and smooth cataract removal.

- **Greater control and flexibility to surgeon, better results for patients:**

  No two surgeries are the same. Conditions in each eye can vary during surgery. Centurion enables surgeons to handle even the most challenging cases with more ease.

- **Faster cataract fragmentation removal:**

  Faster cataract fragmentation removal and surgery, enables minimal eye trauma, and thus quicker healing time.

- **Quicker healing time:**

  Microincisions through Intrepid integration with Centurion, enables patient's eye to heal quicker after cataract surgery.

References :

1. Allen D, Habib M, Steel D. Final incision size after implantation of ahydrophobic acrylic aspheric intraocular lens: new motorized injector versus standard manual injector. _J Cataract Refract Surg_. 2012;38(2):249-255.
2. Johansson C. Comparison of Motorized IOL Insertion to Traditional Manual IOL Delivery. ASCRS; March 25-29, 2011; San Diego, USA.
3. Nicoli CM, Dimalanta R, Miller K. Experimental anterior chamber maintenance in active versus passive phacoemulsification fluidics systems. J Cataract Refract Surg. 2016;42(1):157-162.
4. Rowen S. Microincision cataract surgery. Presented January 2014; Park City, UT.

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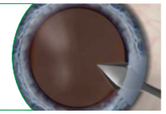
NO ONE SEES THE WORLD LIKE YOU DO.

Break free from cataracts with femtosecond laser-assisted cataract surgery (FLACS).

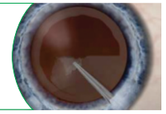
How is cataract surgery traditionally performed?

Traditional cataract surgery, also knows as phacoemulsification surgery, was developed in the late 1960s.

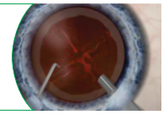
1. It starts with your doctor creating an incision into your cornea with a scalpel.



2. A hand-held instrument is used to make a circular opening around the lens capsule, which is covering the cloudy natural lens (cataract).



3. A probe that generates ultrasound waves is inserted through the opening and used to break the cloudy natural lens up into small pieces.



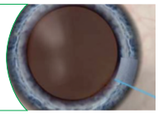
4. The lens pieces are then removed by suction and an intraocular lens (IOL) is inserted into the eye.

What is FLACS?

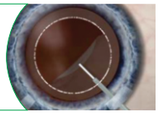
Femtosecond laser-assisted cataract surgery (FLACS) is a newer, blade-free, alternative to phacoemulsification surgery that involves your doctor using a computer-guided laser to assist in cataract surgery.

1. Each person's eyes are unique in their shape and size. During FLACS, a computer first scans your eye to generate a 3D map of the surface and the structures within your eye.

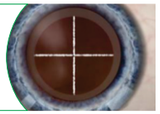
2. This map is used to guide a series of precisecuts into the cornea that allow your doctor to access your lens.



3. A laser makes an opening of a defined, pre-programmed size in the lens capsule.



4. The laser then breaks the the cloudy natural lens (cataract) into small fragments.



5. The fragments are removed using a suction device. Ultrasound waves may also be used with the suction to aid in the removal of these fragments.

6. An IOL is inserted into the eye and positioned accurately and securely into the lens capsule.

What are the advantages of FLACS over phacoemulsification surgery?

- FLACS increases precision in incisions to the cornea and the lens capsule.
- FLACS does less harm to the surface of the eye.
- FLACS reduces the time and energy required to fragment the natural lens - this could contribute to less damage to the lining of the cornea, less swelling and, potentially, faster recovery.
- FLACS results in more precise positioning of the intraocular lens.