

**C**ataract surgery has continuously evolved to reduce the incision size with the use of ever improving technology. The early cataract surgeries involved the removal of the entire lens of the eye, along with the lens capsule. This procedure was known as Intracapsular Cataract Extraction (ICCE) and required an incision of 12mm. Patients had to undergo stitches and patching of the eye.

ICCE was followed by a technique called Extracapsular Cataract Extraction (ECC), which entailed the removal of the lens while leaving the majority of the lens capsule intact. This procedure brought down the incision size to 7 to 8mm.

Then in 1967, a major breakthrough was made with the introduction of the Phacoemulsification. This technique used ultrasonic waves to remove cataracts and the incision size was brought down a step further to 2.8 to 3.4mm. Phaco was performed using local anaesthesia.

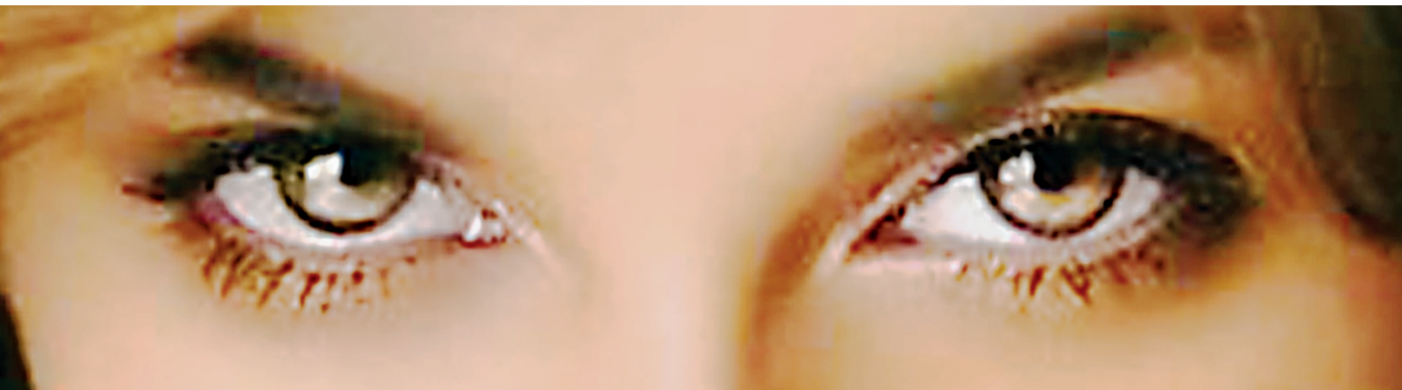
This continuous endeavour to reduce incision

# BE SMART: GO SMALLER

## EVOLUTION OF IOLs WITH PROGRESS IN CATARACT SURGERY



**MICRO INCISION LENS**



size and improve the life and safety of the cataract patients finally led to the advent of the Microincision Cataract Surgery.

The breakthrough cataract removal technology has radically brought down the incision size to a mere 1.6 to 1.8mm

With this technique the cataract (opaque lens of the eye) is removed and replaced with a third generation ultra-thin foldable Intra Ocular Lens (IOL) called Akreos® AO Micro Incision Lens. This lens has been awarded the Medical Design Excellence Award for 1008. The new IOL offers advantages not only in terms of correcting

spherical power, but also aberrations, which translates into sharp and crisp vision and the smaller incision also leads to faster vision recovery. The path breaking treatment is quick and virtually painless and is performed as an outpatient procedure that is sure to change the way people look at cataract in the future.

We at Centre for Sight aim to provide the latest innovations in eye care because we believe that every eye deserves the best.

Watch out for the next part of this series on October 11



**ADVANTAGES OF MICRO INCISION CATARACT SURGERY**

- Incision size 50% smaller than standard Phaco, this leading to faster wound and vision recovery.
- Good news for diabetic patients! smaller wound means faster healing.
- Early return to normal life.
- Enhanced quality of vision due to improved IOLs such as Akreos® AO MIL.
- The surgery can now be done in all seasons, whether monsoon or summer.

**CENTRE FOR SIGHT AT YOUR DOORSTEP**

**GURGAON:**  
SCO 317, Sector 29, Near Hotel Lemon Tree

**EAST DELHI:**  
F19, 1st & 2nd Floor, Preet Vihar

**FARIDABAD:**  
Sector 16A, Sunflag Hospital

**AGRA:**  
G-5 & B-5, Friends Plaza, Sanjay Place

**REDUCING INCISION SIZE**

**ICCE (12 mm)**

**ECC (7-8 mm)**

**PHACO (2.8-3.2 mm)**

**MICRO INCISION CATARACT SURGERY (1.5-1.8 mm)**



# CENTRE FOR SIGHT

## GROUP OF EYE HOSPITALS

SOUTH DELHI: B-5/24 Safdarjung Enclave, Opposite Deer Park Tel: 011 45738888, 41644000, 9313837311/12  
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 GURGAON: SCO Complex - 317, Sector 29 Tel: 95 124 4210317-18, 4287300, 9310486490  
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**OPD SEVEN DAYS A WEEK; SUNDAYS OPEN**