





# Implantable Collamer Lens (ICL) • ICL is made from 100 % biocompatible soft flexible gel lens to be implanted in the ciliary sulcus . • The material porcine Collagen (1%) is polymerized with HEMA (99%) Hence collagen copolymer = Collamer



## ICL diopteric ranges ICL™ Myopia (-0.5 D to -18 D)(-23.0 D) ICL™ Hyperopia (+0.5 D to +10.0 D) Toric ICL™ +1.0 D to +6.0 D (cylinder)















## Prerequisites for ICLs • Age from 18 t0 45 years

- •Not fit for LASIK surgery (High Myopic error)
- Intolerant to contact lens and refusing glasses
- •Clear , stable Lens
- Ophthalmologically free form ocular pathologies(, glaucoma , uveitis, corneal disorders, KC , etc...)
- •Better with no history of previous ocular \_surgeries EOS 2023

































### Phakic IOL informed consent

Vision-Threatening Complications

- Infection
- Damage to the iris
- Retinal detachment
- Cataract
- Corneal swelling (edema)
- Loss of cells lining the inner surface of my comea (endothelial cells)
- Glaucoma

### Other Rare Risks

I understand that other complications could threaten my vision, including, but not limited to, iritis or inflammation of the iris (immediate and persistent), uveitis, bleeding, swelling in the retina (macular edema), and other visual complications. Though rare, certain complications may result in total loss of vision or even loss of the eye. Complications may develop days, weeks, months, or even years later.

### Non Vision-Threatening Complications

- Sedation
- · Increased sensitivity to light or night glare
- · "Starbursting," halo, or "heat wave" effect in my vision
- Over-correction or under-correction
- · Lens may change position (decentration)







### **Glare and Halo after ICL Implantation**

- Pupil sizeOptic size
- •High myope

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