



# OPHTHALMOLOGY: OUR RESOURCES





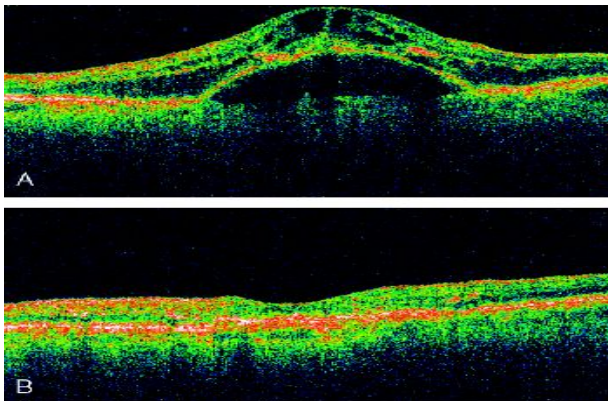
# UP-TO-DATE DIAGNOSTIC METHODS



# OPTICAL COHERENCE TOMOGRAPHY



Stratus OCT



Non-invasive optical diagnostic techniques that would provide images of high resolution for the measurement and diagnosis of ocular tissues, it useful for management and follow-up of eye pathology





# OPTICAL COHERENCE TOMOGRAPHY OF ANTERIOR EYE SEGMENT

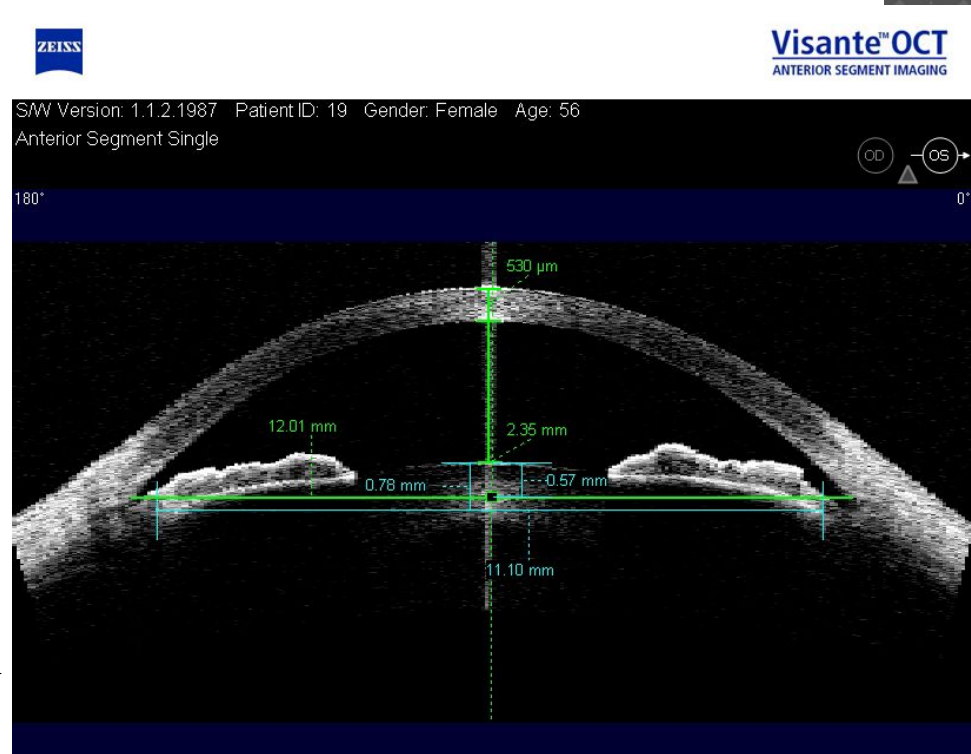
◎ *Visante OCT*





# OCT OF ANTERIOR EYE SEGMENT

- provides high-resolution anterior chamber images;
- measurement of anterior segment ocular structures, including anterior chamber depth (ACD), anterior chamber angles, corneal thickness
- allows to evaluate the potential risk of glaucoma, complications for cataract surgery



# THE NON-MYDRIATIC FUNDUS CAMERA SYSTEM FROM CARL ZEISS





TF



- **Brilliant true color retinal images**
- **Automontage for panoramic retinal overviews**
- **Documentation of the results and possibility of subsequent management of the disease**

**The Non-Mydriatic Fundus Camera**



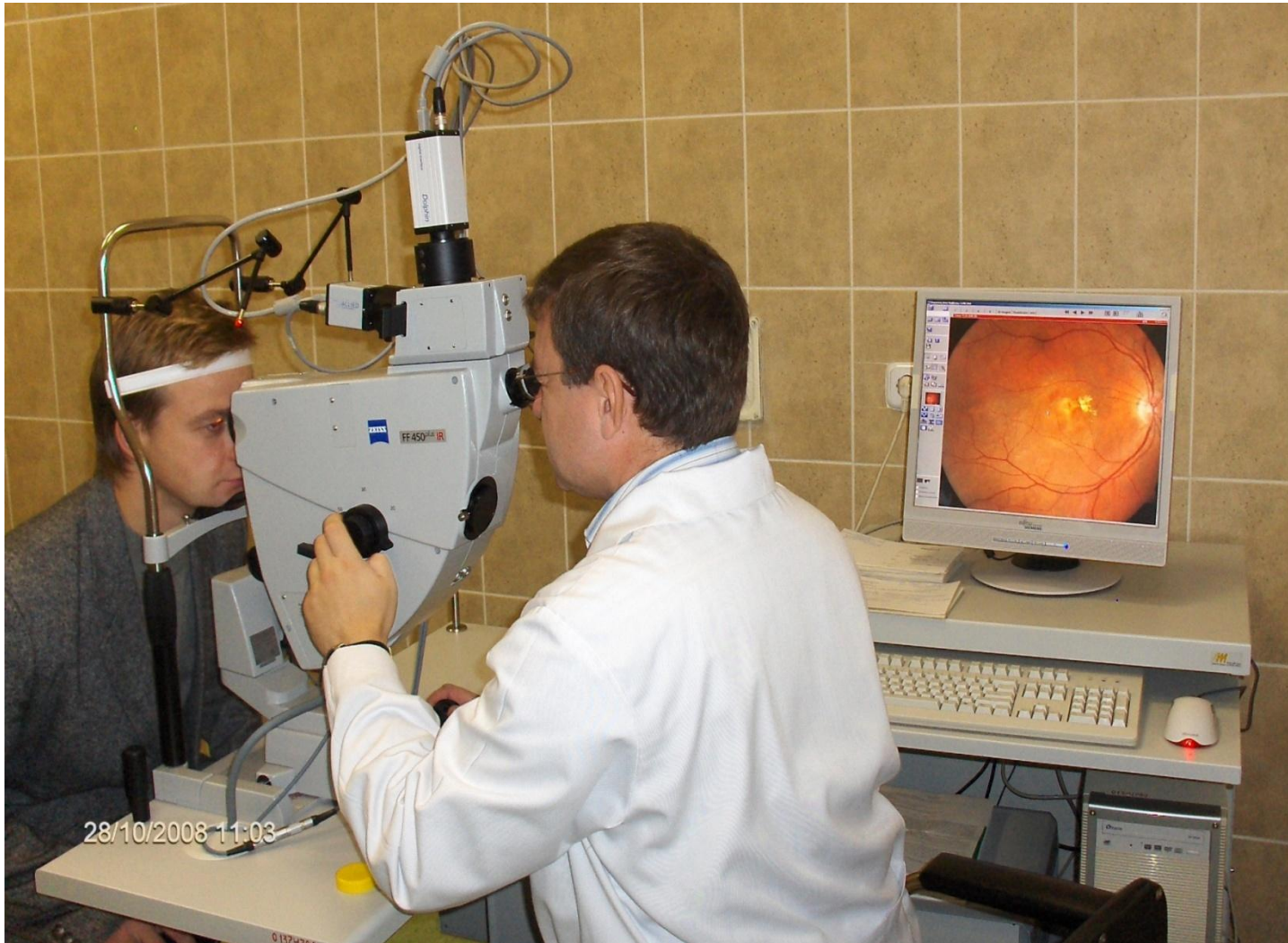
# Ultrasound eye examination







# Fluorescein angiography





# OPHTHALMOSURGERY



# OPERATING-ROOM







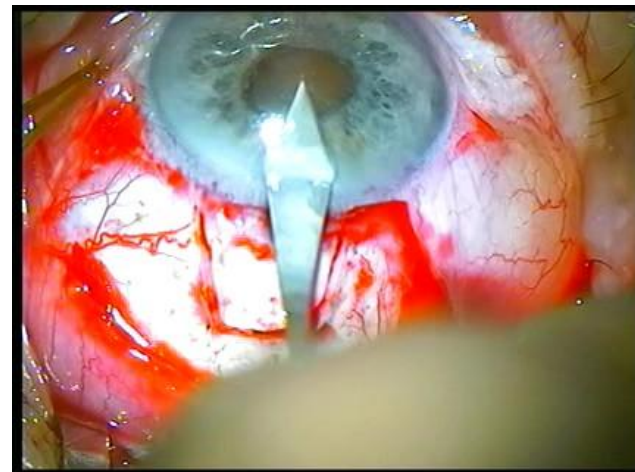
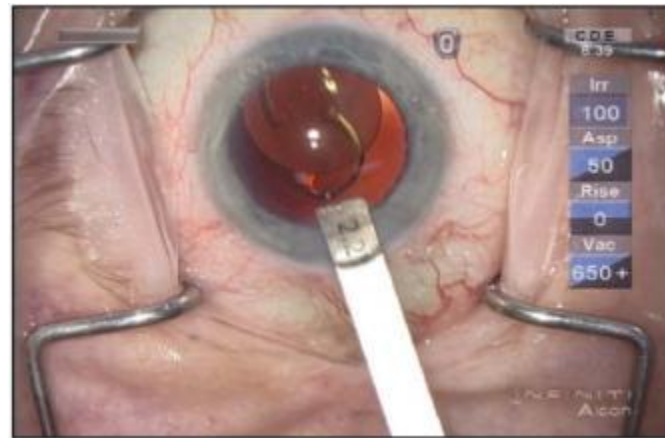
# HIGHLY SKILLED OPHTHALMOSURGEONS





# PHACOEMULSIFICATION CATARACT SURGERY

- **Microincision (less 2,4 mm) – without sutures;**
- **Decrease of post-operative astigmatism**
- **Decrease of possible intra- and post-operative complications**





## Premium-class phacomashines



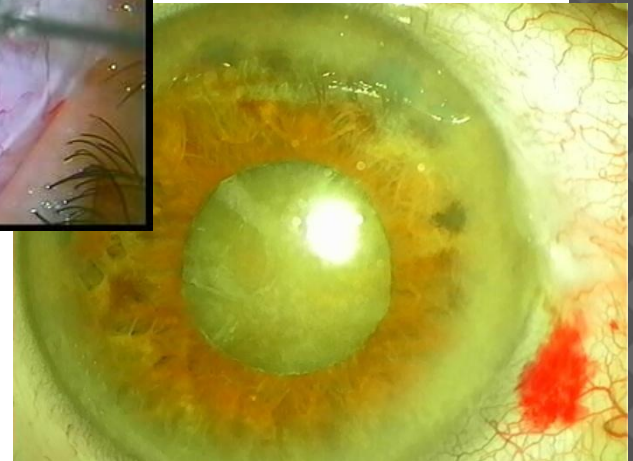
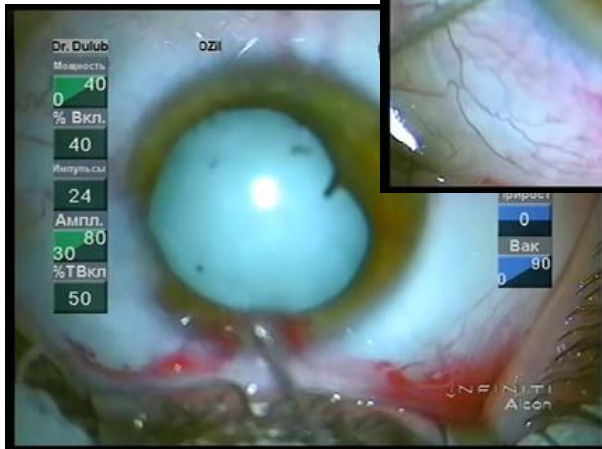
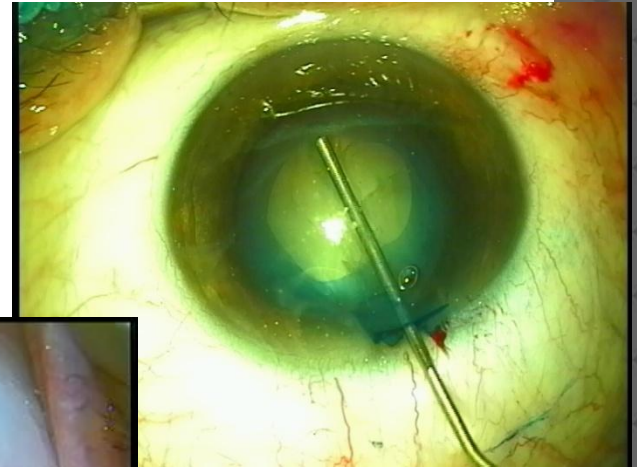
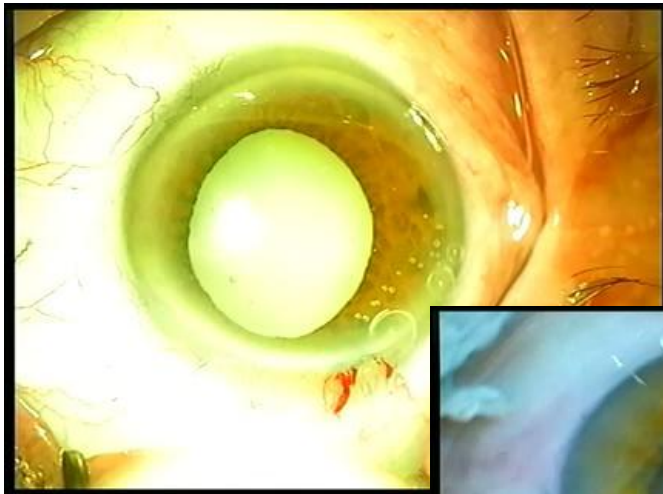
Infiniti



Accurus

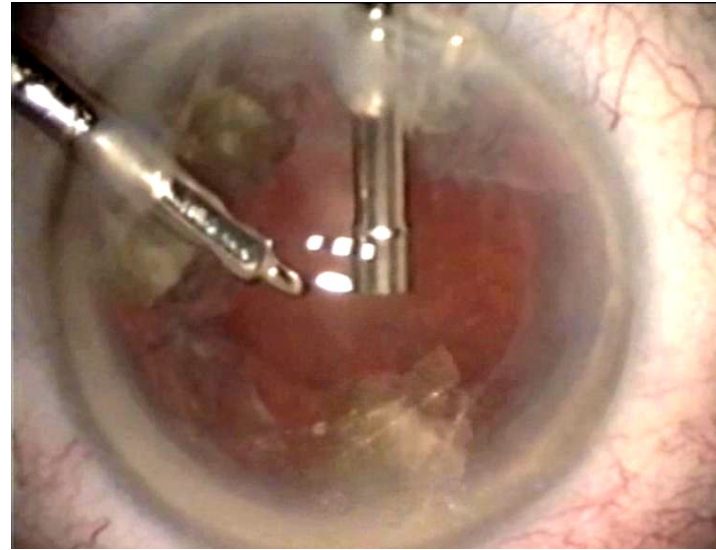
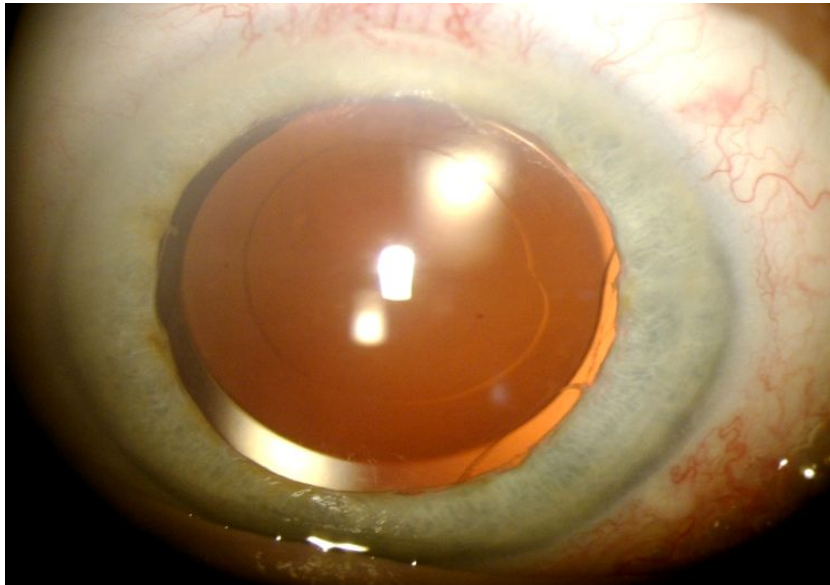


# PHACOEMULSIFICATION OF DIFFERENT TYPES OF CATARACT





# *PHACOEMULSIFICATION CATARACT «WITH WATER»*





# IOL-MASTER FOR IOL POWER CALCULATION



**Quickly and accurately!**

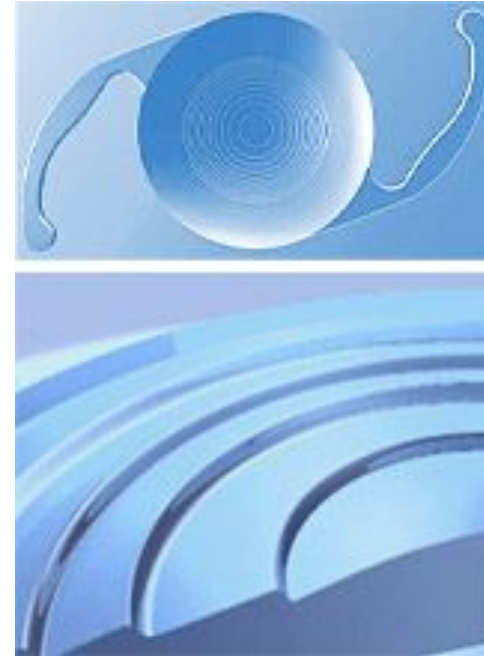




# EXCELLENT VISION AT MULTIPLE DISTANCES

Acrysof IQ ReSTOR +3,0D:

- vision at near, intermediate and distance
- **not needing glasses**



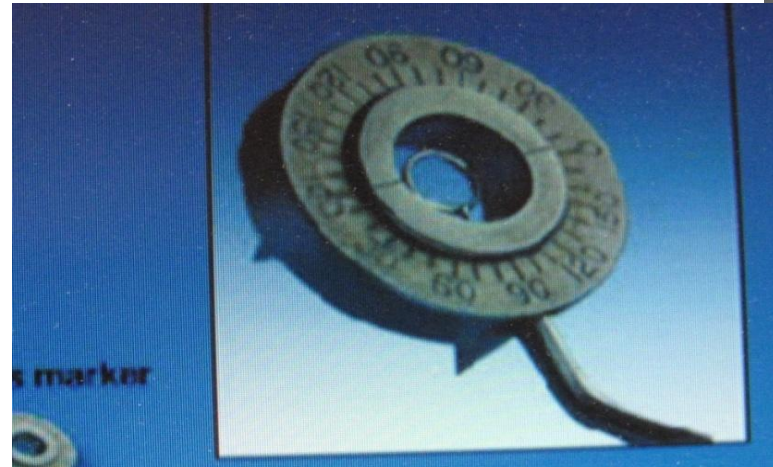
**AcrySof® ReSTOR®  
ASPHERIC +3**

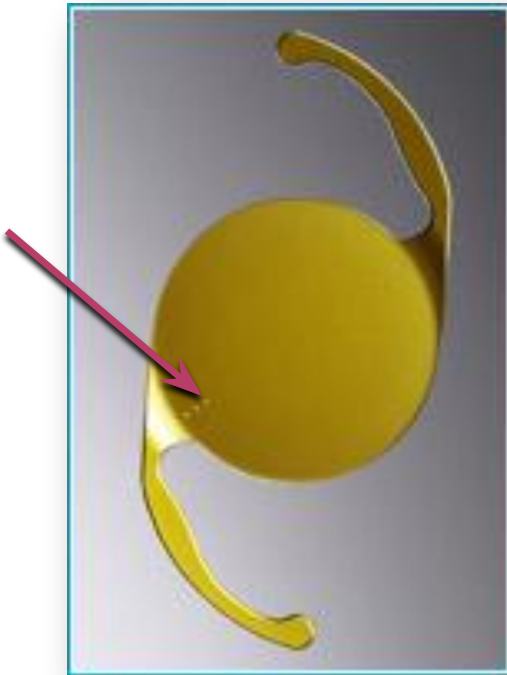


# TORIC IOL FOR PRECISE ASTIGMATISM CORRECTION



mark the cornea prior to  
implantation





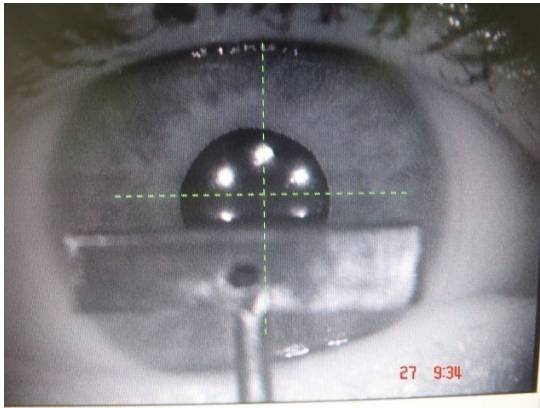
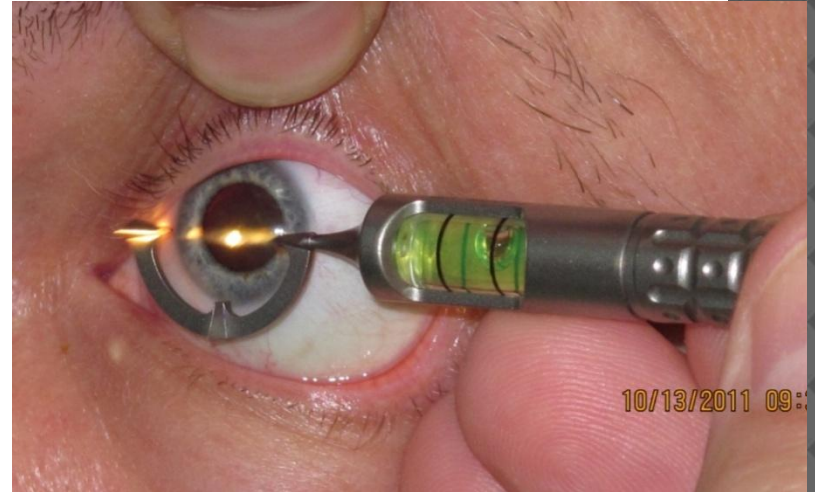
Toric IOL

## ◎ New quality of vision



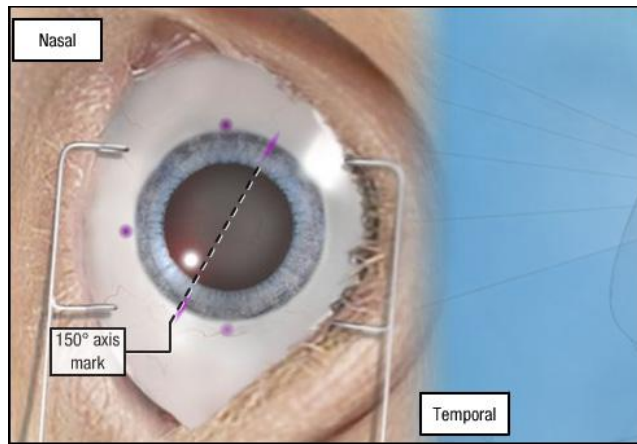
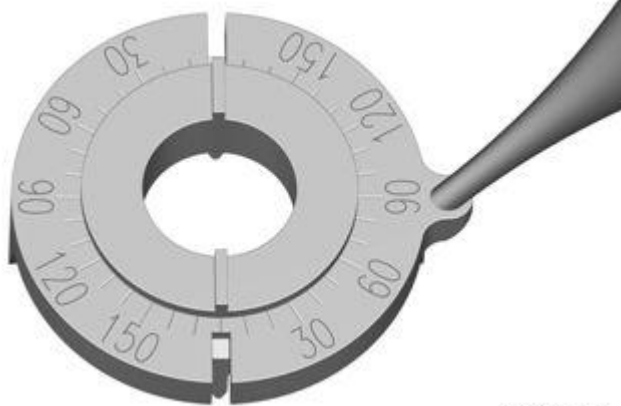
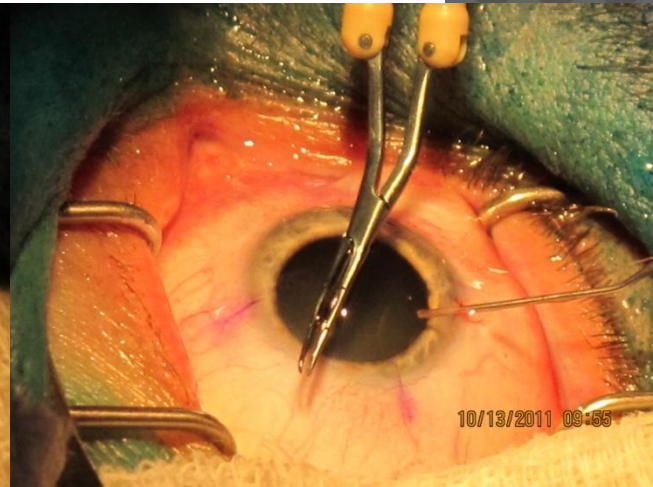
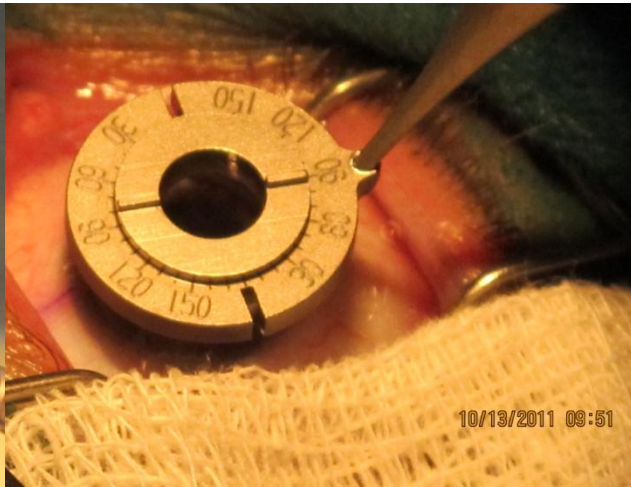
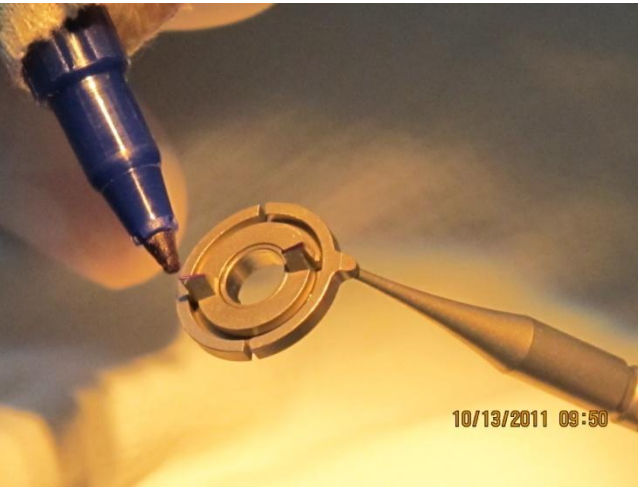


# MARK THE CORNEA PRIOR TO IMPLANTATION

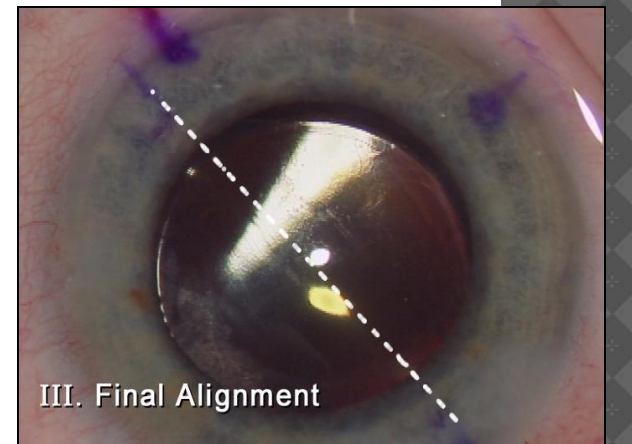
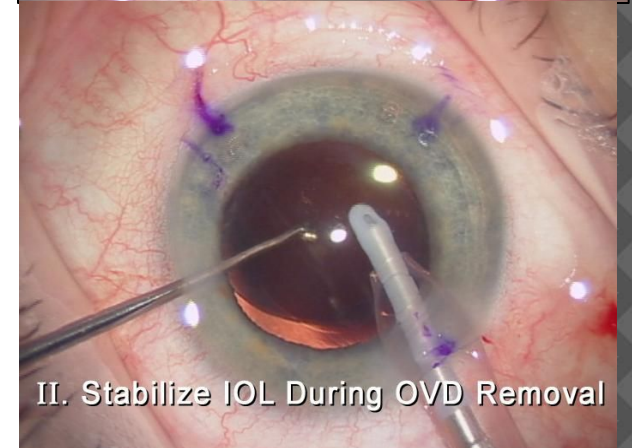
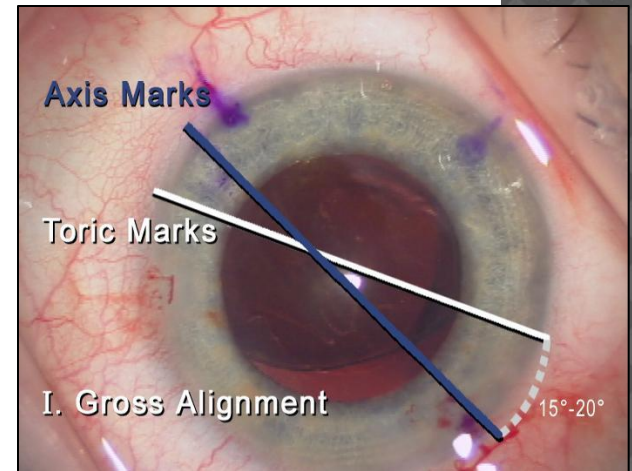
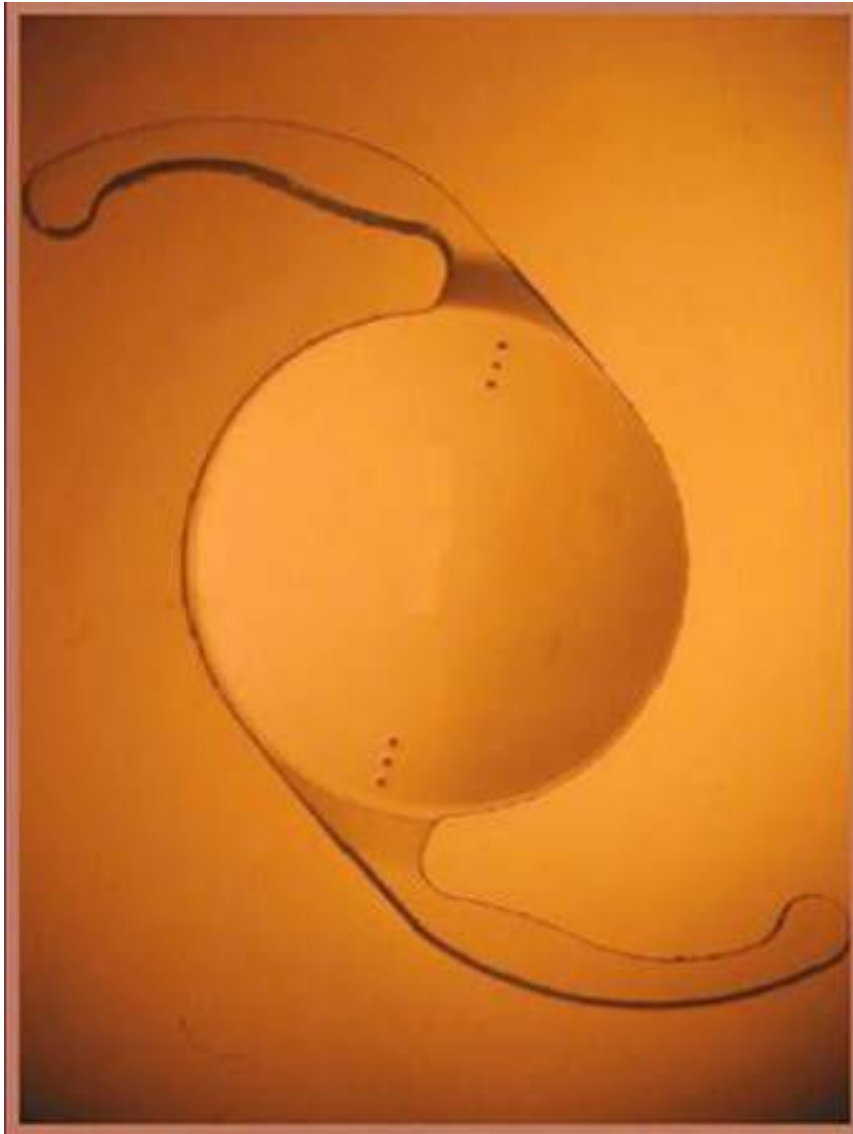


With the patient sitting upright and looking at a distance target, the cornea is marked at the 3:00 and 9:00 positions

# IN OPERATING-ROOM



Asico LLC



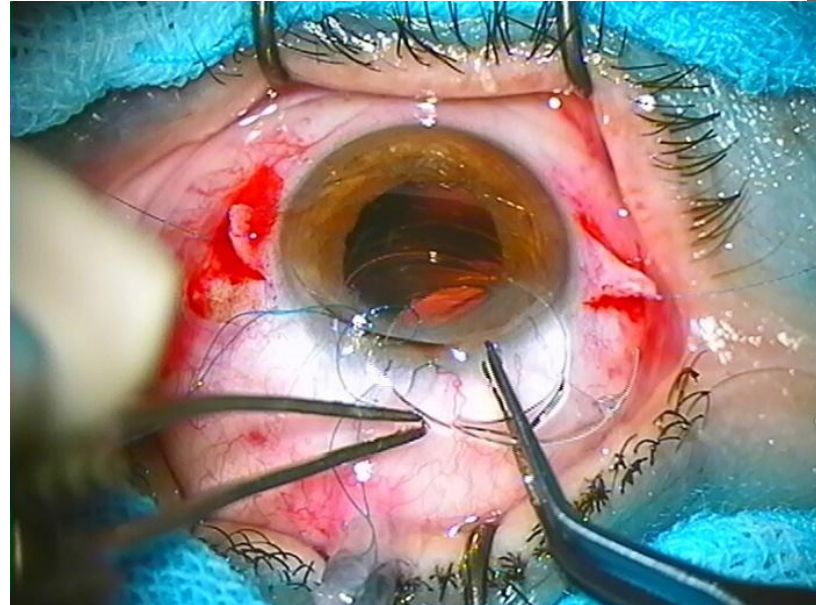




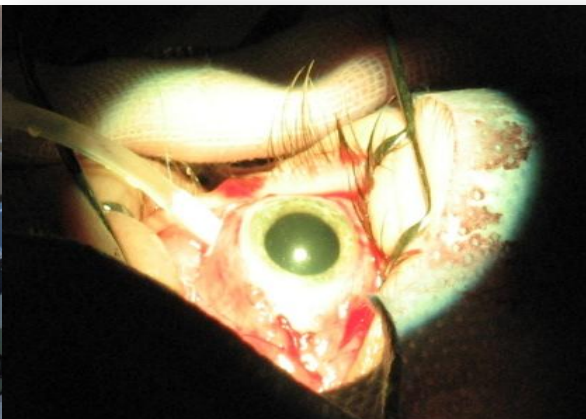
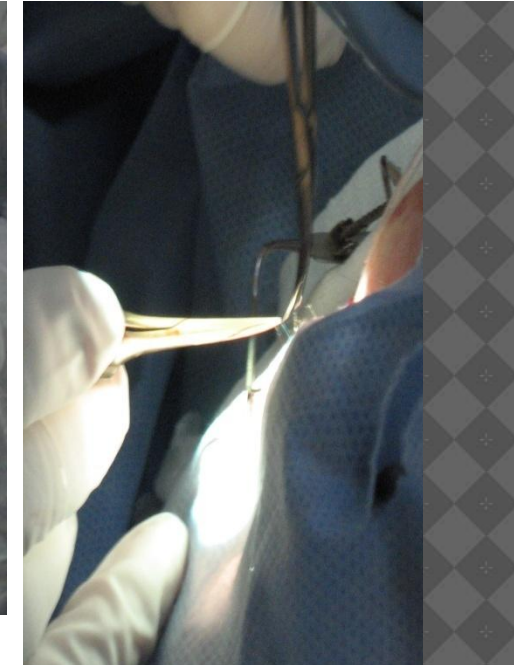
# IMPLANTATION OF IOL WITH SULCUS FIXATION

In cases:

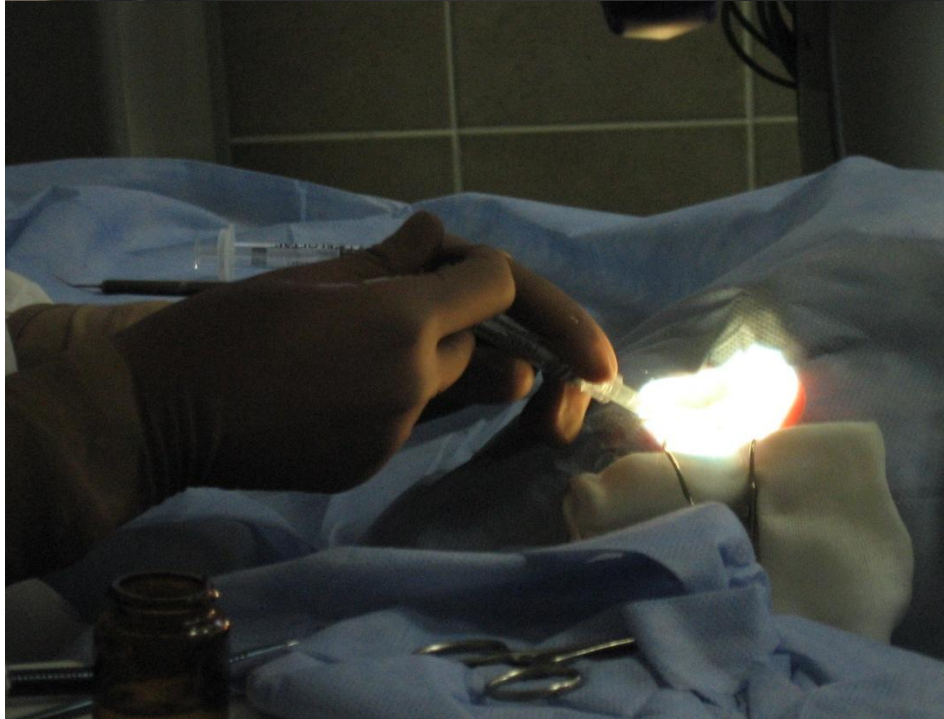
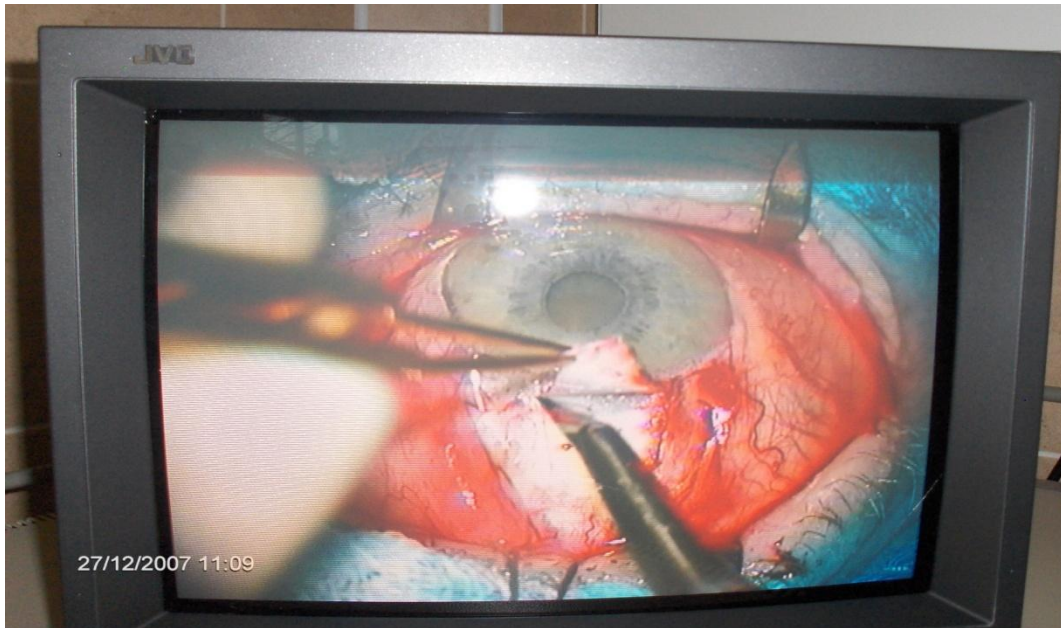
- after eye trauma
- in post-operative aphakia
- in zonulla thickness



# VITREO-RETINAL SURGERY











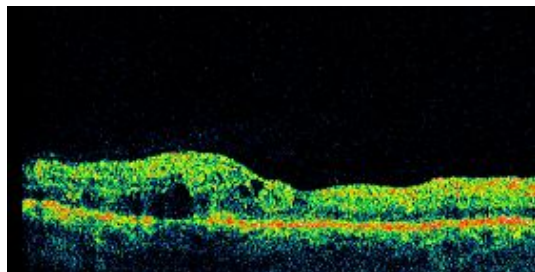
Accurus



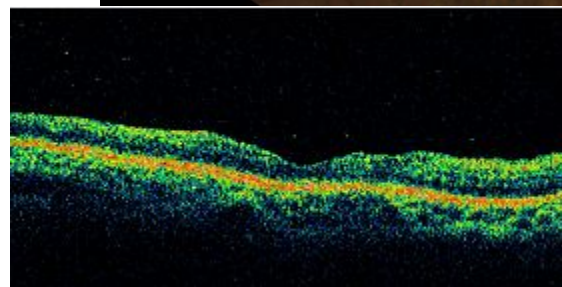
BIOM



# VITRECTOMY WITH ENDOLASERCOAGULATION



До операции



После операции

## Before surgery



## After Surgery



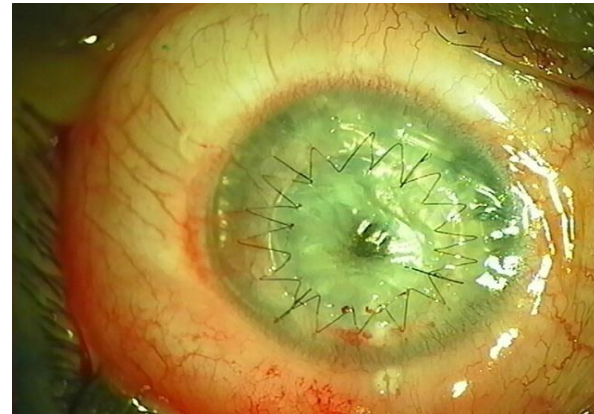
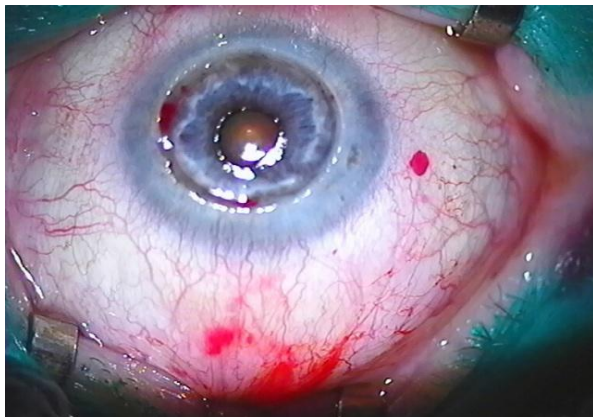




# CORNEAL TRANSPLANTATION

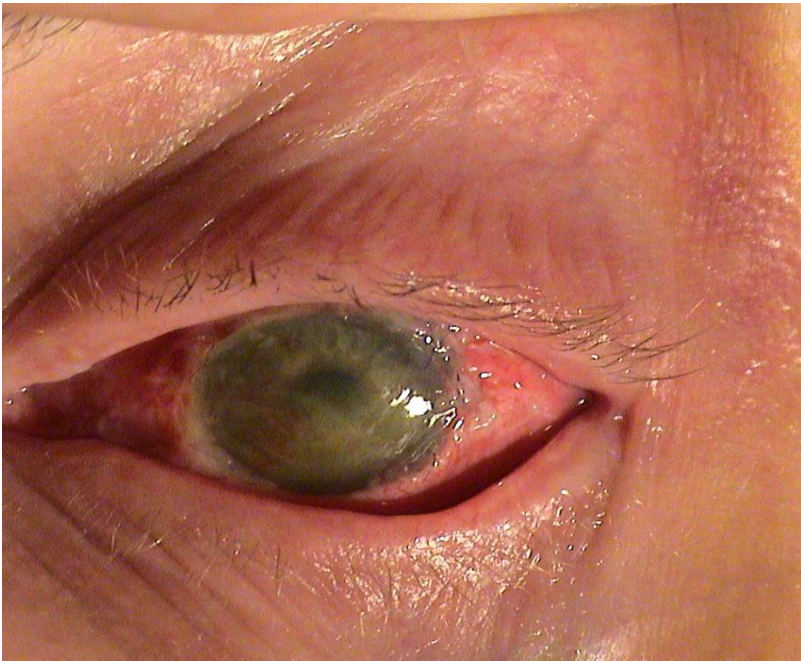


- Keratoconus
- **Endothelial-epithelial corneal dystrophy**
  - scarring due to keratitis

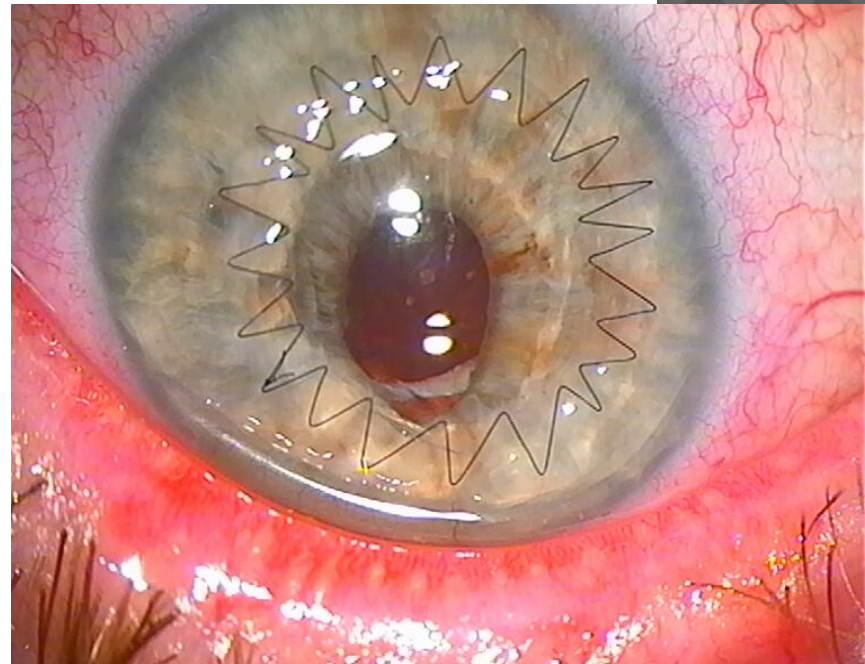




# Penetrating keratoplasty



Before surgery



After surgery