

Short description of the procedure: Smart intraocular (IOL) implantation (Multifocal or EDOF lens implantation by phaco or clear lens extraction)

How is the procedure performed?

-Sub procedures: The procedure begins with a cataract operation if patient has a cataract and followed by an implantation of a smart IOL that could give fine vision and spectacle independence in all distances. If the patient is high hyperopic (beyond the range of laser vision correction) or presbyopic than clear lens extraction (very similar procedure to cataract operation by phacoemulsification) is performed followed by a smart IOL implantation. Usually the eyes are operated with daily intervals.

-What type of surgeries: mainly phacoemulsification of a cataract lens or clear lens extractions.
-Anesthesia: Topical mainly (general anesthesia only if patient is incompetent)

Anticipated risks and rate of known risks:

cCataract surgery has a high safety profile. [Research published in Ophthalmology](#) found that nearly 100 percent (99.5 percent) of the 221,594 cataract surgery patients included in the study had zero serious complications following the procedure. Also, the research showed the risk of severe complications decreased significantly with advances in surgical tools and techniques over the 12-year period during which the surgeries were performed. Potential cataract surgery complications include:

- Posterior capsule opacity (PCO)
- Intraocular lens dislocation
- Eye inflammation
- [Light sensitivity](#)
- [Photopsia](#) (perceived flashes of light)
- Macular edema (swelling of the central retina)
- [Ptosis](#) (droopy eyelid)
- [Ocular hypertension](#) (elevated eye pressure)

When cataract surgery complications do occur, most are minor and can be successfully treated medically or with additional surgery.

Success rates: Nearly 100 percent (99.5 percent)

Recovery period: Immediately fine vision at day 1 and under topical medications for a month.

Days of admission: All week days except Sunday, first operation could be performed at the day of admission.

Days stay in the country: At least 3 days are required. 5 day stay is preferred.

Expected after care: Post-operative control visits and topical medication use for a month.

Doctor experience with the procedure: more than 20.000 cases.

Scientific references:

<https://pubmed.ncbi.nlm.nih.gov/32213781/>

<https://pubmed.ncbi.nlm.nih.gov/31326223/>

<https://pubmed.ncbi.nlm.nih.gov/31298720/>

Doctor name and last name: Firat Helvacioğlu, MD, FEBOS-CR, Professor of Ophthalmology

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

- Göz hastalıkları (katarakt, glaukoma)
- Retina hastalıkları
- Kornea hastalıkları (keratit, keratoconus)
- İleri dereceli miyopi (periferik degenerezyon)
- İleri dereceli astigmatizm
- İleri dereceli hipermetropi
- İleri dereceli astigmatizm
- İleri dereceli miyopi (periferik degenerezyon)

Özel Veni Vidİ Göz Sağ. Merkezi
 Prof. Dr. FIRAT HELVACIOĞLU
 Göz Hastalıkları Uzmanı
 Dip. No: 95 1002
 Tlp. Tescil No : 107129

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ

ÖZEL VENİ VİDİ GÖZ SAĞLIĞI MERKEZİ