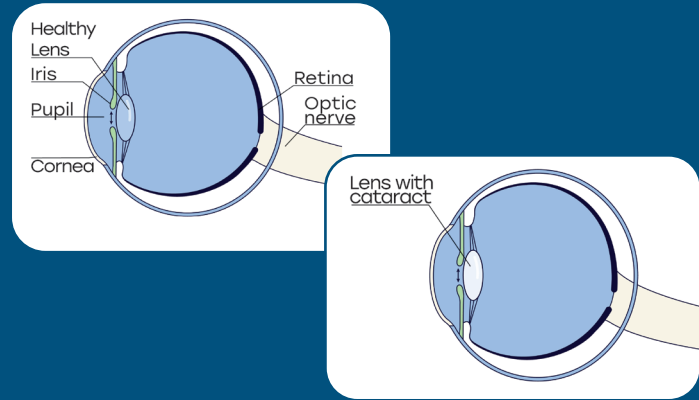


1. WHAT IS CATARACT?

Cataract is a progressive clouding of the lens, primarily related to aging. The main role of the lens is to focus the light entering the eye onto the retina, allowing clear images to form. Its clouding results in impaired and less sharp vision.

Since cataract is a progressive condition, if left untreated, it can worsen and have irreversible effects on patient's vision.



2. WHAT ARE THE SYMPTOMS?

The progressive clouding of the lens can lead to:

- Reduced distance vision, as well as near vision,
- Blurred or hazy vision. It's one of the most common symptoms of age-related cataracts,
- Small spots or dots in the field of vision,
- Contrast sensitivity,
- Difficulty distinguishing depth,
- Altered color vision: yellowing of colors or difficulty differentiating certain colors like black, navy blue, or violet,
- Increased sensitivity to bright light and glare.

Normal vision



Cataract vision

3. HOW TO TREAT CATARACT?

Surgery is the only effective solution to treat cataract. It aims to restore vision by removing the cloudy lens and replacing it with an artificial lens, also called IntraOcular Lens (IOL).

4. WHAT IS CAPSULOTOMY?

Capsulotomy is an important step performed during cataract surgery. It involves opening the thin transparent membrane of the capsule that surrounds the eye's clouded lens. The surgeon uses this opening to access and remove the clouded lens.

The quality of this opening is essential for the removal of the lens and its replacement with an IntraOcular Lens (IOL).



5. CATARACT SURGERY WITH Rx LASER

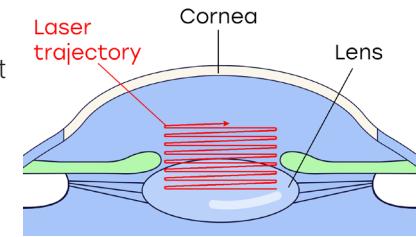
The cataract surgery procedure consists of 3 steps:

1. Capsulotomy with Rx laser:

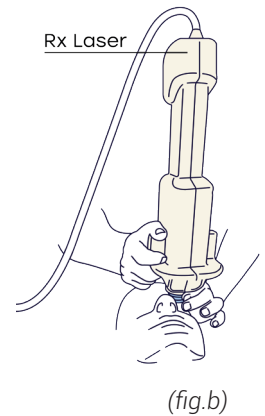
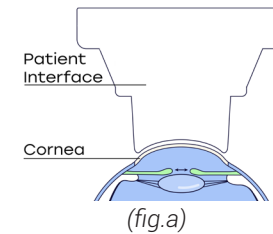
To achieve an optimal capsulotomy quality and minimize potential complications, the surgeon uses Rx's femtolaser technology to perform a circular cut at the center of the anterior capsule.

Using Rx femtolaser has two advantages:

- **Efficiency:** Rx performs a fast and optimal laser cut in 4 seconds.



- **Comfort:** The application of the patient interface (fig.a) and of the laser system on the patient's cornea (fig.b) is fast, comfortable and painless.



2. Removal of the clouded lens:

Through this opening, the lens is removed using an ultrasound tool that desintegrates the lens and takes out the fragments out: that's the phacoemulsification step.

3. Insertion of the IntraOcular Lens.

The IntraOcular Lens is then inserted in the eye. Its type is determined by the surgeon and patient specific needs.

6. WHAT HAPPENS AFTER SURGERY?

Cataract surgery is often performed on an outpatient basis. Most of the time, patient can go home the same day as the procedure.

Although it may vary, vision improvement is rapidly noticeable for most patients.

Don't hesitate to discuss with your ophtalmologist for more information.



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