

See more without glasses after cataract surgery



Get to know your Trifocal Liberty® intraocular lens

Trifocal

Trifocal Toric

THE IOL



The real size of your Liberty® lens: Compared to a standard paper clip (28 mm) An intraocular lens (IOL) is an artificial lens designed to replace the crystalline lens of the eye after cataract surgery. With a diameter of only 13 mm, an IOL is around half the size of a regular paper clip.

Can you read this text without glasses?

This is the sample text.

With Liberty[®] you will most likely be able to read this text.^{1,2}

INTERESTING FACTS

The history of the IOLs began during the Second World War, when Royal Air Force pilots suffered eye injuries from shattered Perspex aircraft canopies, but their body's immune system did not react to the PMMA splinters.

Modern soft, foldable acrylic IOLs are made from a material chemically similar to PMMA lenses, which are proven to be safe in the eye.



Enjoy spectacle-free vision at multiple distances



Trifocal intraocular lenses (IOL's) are an advanced solution that can provide sharp vision at all distances without the need for glasses after cataract or lens exchange surgery.

If you have astigmatism, a trifocal toric lens can be implanted to simultaneously correct astigmatism, with the same lens.





Monofocal intraocular lenses (IOL's) can provide sharp vision at only one distance. Clear vision is usually set for far distance and glasses are needed for intermediate and near vision tasks.

If you have astigmatism, a monofocal toric lens can be implanted.



DID YOU KNOW?

Patients implanted with a monofocal lens usually need glasses for near vision activities, like reading. With the Trifocal Liberty[®] you are likely to achieve spectacle freedom for the rest of your life for the price of 5–6 reading glasses.³

Cataract Progressive clouding of the natural crystalline lens

HOW DOES CATARACT DEVELOP?

As people age, the natural crystalline lens of the eye becomes cloudy. The most common cause of cataract is age-related however cataract can also develop due to trauma, the use of certain medications or the presence of certain diseases. Cataract can be present in one or both eyes.

HOW DOES IT AFFECT YOUR VISION?

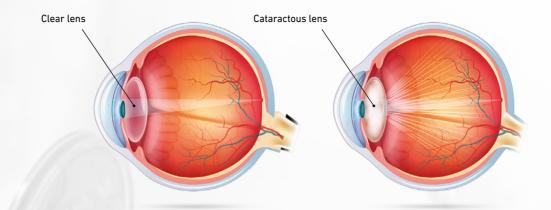
Cataract can cause blurred vision, problems with glare and faded colours. Difficulties with night vision can also occur.

The severity of your cataract depends on multiple factors, including your age and individual health conditions.

DID YOU KNOW?

Currently, no medications are available to treat cataract and restore your vision. The only effective solution is the surgical removal of the cataractous lens along with its replacement with an artificial lens (IOL).





INTERESTING FACTS ABOUT CATARACT SURGERY

The natural crystalline lens is removed during cataract surgery and replaced by an intraocular lens. Cataract surgery is considered to be one of the safest operations with a success rate over 98%⁴

Cataract surgery is one of the most common operations perfomed in the world. It usually takes between 20 to 30 minutes.⁵

WHAT ABOUT LIBERTY®?

With the implantation of the trifocal Liberty[®] IOL, not only your crystalline lens is replaced, but the IOL is also able to correct previous refractive errors such as **myopia** (short-sightedness), **hyperopia** (far-sightedness), or **astigmatism**, and provide spectacle-freedom shortly after surgery.

Presbyopia Increased difficulty in seeing near objects

HOW DOES PRESBYOPIA DEVELOP?

The natural hardening of the crystalline lens happens with age and results in a loss of flexibility, which is needed for lens accomodation (the ability of focusing on near objects).

Most people begin to notice the symptoms of presbyopia around or after the age of 40.⁶

HOW DOES PRESBYOPIA AFFECT YOUR VISION?

People with presbyopia find it difficult to see near objects clearly without the use of reading glasses. Headaches and eye strain may also occur. Holding objects further away from the eyes may help with overcoming symptoms during the early stages of presbyopia.

DID YOU KNOW?

The development of presbyopia is a natural process. Presbyopia usually gets worse over time.

The symptoms of presbyopia can be overcome with reading glasses, contact lenses or refractive lens exchange with a trifocal intraocular lens in case you have an onset of cataract.



95% of Liberty® patients are **highly satisfied** with their vision at all distances after cataract surgery.¹

Individual results may vary. Please, consult your doctor, whether cataract surgery and the implantation of the trifocal Liberty® IOL can be an option for you.

Cataract Surgery Your next step to visual freedom

DID YOU KNOW?

More than 27 million IOLs are implanted in the world every single year!⁷

HOW IS THE TRIFOCAL LIBERTY[®] IOL IMPLANTED?

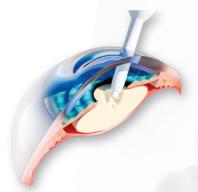


Figure 1:

The crystalline lens is carefully removed through a small incision at the edge of the cornea.

Figure 2:

An intraocular lens is implanted through the same incision.

Figure 3: The intraocular lens stays in a stable position within the eye.



IS THE SURGERY PAINFUL?

Cataract surgery is usually not painful due to the use of anaesthesia.

CAN I SEE ANYTHING DURING THE SURGERY?

It is possible that you will see light and movement.

WILL MY VISION IMPROVE IMMEDIATELY AFTER SURGERY?

You are likely to experience an immediate improvement in your vision, however it might take a few weeks to achieve optimal visual outcomes.

CAN THE IOL BE SEEN IN MY EYE?

Usually the IOL can not be seen in your eye.

HOW SUCCESSFUL IS CATARACT SURGERY AND WHAT ABOUT THE RISKS?

While the surgery is considered a safe procedure, the occurrence of complications and adverse events cannot be completely ruled out. However, these adverse events are relatively rare and can be treated successfully.⁸



Segundina Lao Tan (77)

I was able to see right away after surgery. Now, I wake up and don't need to reach for my eye glasses anymore since I can see and read clearly.
Before, I used a magnifying glass to read the small print in the newspaper. It's like I have new eyes!

Glossary

ACCOMMODATION	is the adjustment of the crystalline lens to keep close objects in focus on the retina.
ASTIGMATISM	is a common vision condition that causes blurred vision. It usually occurs when the cornea (the clear front cover of the eye) is irregularly shaped.
HYPEROPIA	also known as far-sightedness, is a common vision condition which results in near objects appearing blurry, while far objects may appear normal.
INTRAOCULAR LENS (IOL)	is an artificial lens implanted in the eye during cataract surgery or clear lens extraction.
MONOFOCAL	lenses are the most common type of intraocular lenses (IOLs) for cataract patients. Monofocal lenses are usually designed to restore far vision, while near vision usually will need further correction.
MONOFOCAL TORIC	lenses are monofocal IOLs which also correct astigmatism.
ΜΥΟΡΙΑ	also known as near-sightedness, is a common vision condition which results in far objects appearing blurry, while near objects may appear normal.
РММА	is polymethyl methacrylate, plexiglass.
TRIFOCAL LENSES	are novel intraocular lenses (IOLs) with advanced technology, providing sharp vision for all distances (near, intermediate and far).

WILL MY HEALTH INSURANCE COVER THE COST OF THE SURGERY?

Your health insurance provider may cover most of the costs associated with cataract surgery including the intraocular lens.

Please contact your health insurance provider to find out what you are covered for and if there are any out of pocket costs.

References

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This brochure was created to assist ophthalmologists in the education and preparation of patients for cataract surgery and does not replace professional consultation with the patients.



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