

# Acri.LISA

The Bifocal Intraocular Lens  
for a Life Without Spectacles

In Cases of Visual Impairment  
and Cataract



**\*Acri.Tec<sup>®</sup>**  
for enhanced vision

## Cataract



Color perception in the presence of a cataract.

About 90 percent of the people aged 65 and above develop a cataract, which is an age-related opacification of the natural lens of the eye. Due to this cloudiness, the eye can no longer generate a clear image, similar to looking through a dirty window. The Greek word “cataract” means “waterfall”. It originates from the former belief that the grey color in the pupil was congealed liquid.

### ■ What can be done?

Cataract cannot be treated with drugs. In an early stage, power adjustment of spectacle glasses can result in temporary improvement. However, if visual acuity should no longer be sufficient disregarding best corrected spectacles or other visual aid, surgery remains the only treatment option that will lead to success.

## Visual Deficiencies

(myopia, hyperopia, presbyopia)

### ■ Nearsightedness (myopia)

If you are nearsighted, usually your eye is too long. This is why you are only able to see objects at a close distance clearly – therefore the term shortsightedness. Distant objects appear blurred.

### ■ Farsightedness (hyperopia)

As a farsighted person, your eye is too short. This is why you are only able to see objects at a far distance clearly – therefore the term farsightedness. However, it is very hard to see near objects clearly.

### ■ Presbyopia

As we age, the elasticity of the natural lens of the eye decreases. As a consequence, vaulting of the lens in the focusing process (accommodation) is impeded. Reading or perceiving small objects is rendered more and more difficult.

### ■ What can be done?

Visual deficiencies can be corrected with spectacles and contact lenses. However, in the presence of severe visual impairment accompanied by a significant reduction of the quality of life, the implantation of a bifocal intraocular lens can be recommended. This will permit a life without spectacles.

## Cataract Surgery

What happens during cataract surgery?



After surgery with a monofocal lens.

Cataract surgery is a painless procedure and is among the most common surgical interventions performed in humans throughout the world. The natural lens is removed through a small incision at the corneal margin, which is also used for the implantation of the new artificial lens. The operated eye is taped, which can already be removed the next day.

The incision is so small that it mostly does not even require suturing and is self-sealing. Usually, the entire operation does not take any longer than 20 minutes.

### ■ Cataract and visual deficiencies

In most of the cases, a monofocal conventional lens (one-power-lens) is implanted during cataract surgery. Usually, these lenses offer a good distance focus. For near objects, a blurred image results. This is why additional reading spectacles or varifocals are necessary.

Acri.LISA

## Acri.LISA – the Alternative

What are the advantages of Acri.LISA?



After surgery with Acri.LISA.

Acri.LISA is a new generation of bifocal intraocular lenses equipped with high a performance optic. Postoperatively, more than 96 percent of the patients no longer need spectacles.

Acri.LISA provides for near vision (30 to 40 centimeters) and distance vision (70 centimeters and more) as well as intermediate vision (50 to 70 centimeters). In this way, all activities of daily life, such as shaving, make-up, reading, computer work and driving are once more possible without spectacles. With Acri.LISA, driving is no longer a risk equally during day- and nighttime.

Acri.LISA consists of highly purified biocompatible acrylate. It is characterized by excellent biocompatibility and stability and can remain inside the eye for a lifetime. To protect the sensitive retina, Acri.LISA is equipped with a UV filter.

Acri.LISA

## Consult your Ophthalmologist

The first step is always to consult your ophthalmologist. He knows about your personal situation and will advise you about whether a bitoric intraocular lens is suitable for your eyes.

### Questions:

## After Surgery, Please Observe:



- Do not rub and press your operated eye during the first 2 postoperative weeks
- Use your medication as prescribed
- Attend control visits
- Avoid swimming and sauna for several days (infection hazard)
- Protect your eyes from water when washing your hair or taking a bath or shower
- Avoid physical efforts during the first postoperative days

## Quality, Safety and Innovation for your Eyes

As one of the leading companies worldwide, \*Acri.Tec AG develops, manufactures and distributes ophthalmic products for ocular surgery. This includes: viscoelastic substances, surgical instruments and intraocular lenses that are used in more than forty countries worldwide.

All products have been developed in cooperation with an international network of leading ophthalmologists and ophthalmic surgeons. They are „Made in Germany“ and meet highest safety standards. \*Acri.Tec AG guarantees to supply ophthalmologists with premium quality and gives patients the certainty of having done the best for their eyes.

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