

**Acriva**<sup>LD</sup>**BB**  
Blue Filter Ultra Definition Toric Intraocular Lens  
*toric*

**By choosing a “Toric” intraocular lens for your cataract operation**

**Your astigmatism  
will be treated at the  
same time!**



## What Is Astigmatism?

Astigmatism alters the shape of the front of the eye (the cornea). When viewed externally, a healthy cornea is uniform and spherical in shape, like a football. In an astigmatic eye, the cornea has become deformed and is oval or egg-shaped. Because of this deformation, images occur on the retina as a line rather than a point. This results in objects appearing blurred to the astigmatic eye, as it cannot focus correctly.

Normal Cornea



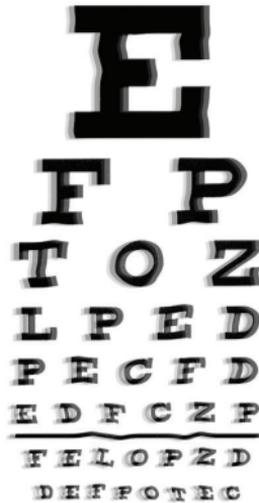
Astigmatic Cornea



Normal Vision

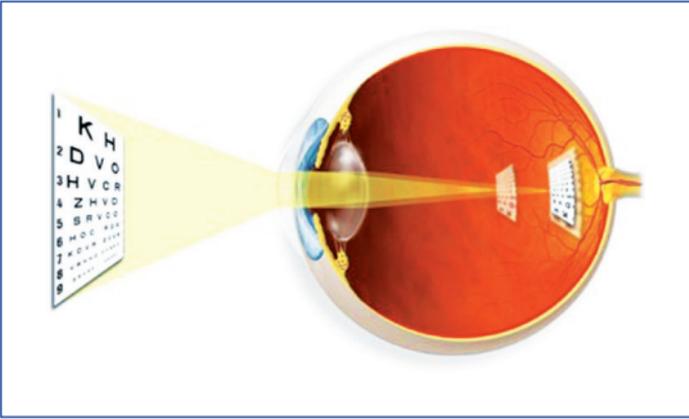


Astigmatic Vision



## What Are The Symptoms Of Astigmatism?

The main symptoms are blurred or double vision of both near and far sight.



Patients with astigmatism have less sense of depth, and often find it difficult to recognise holes and bumps in the road while driving.



Patients with a high level of astigmatism may get headaches from constant squinting.

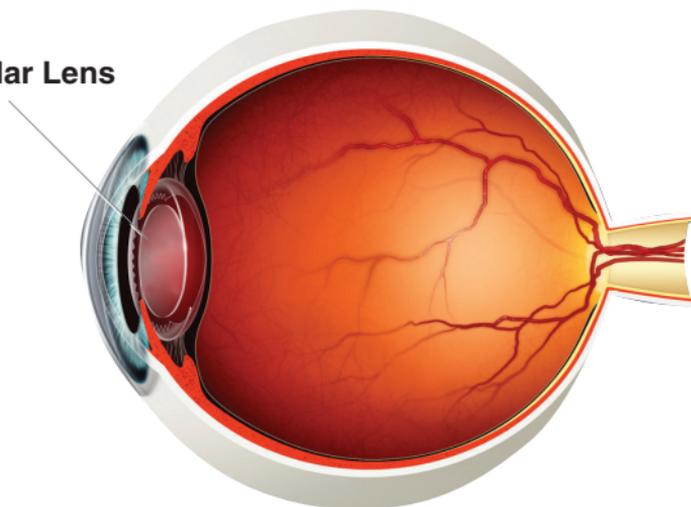


## What Is an Intraocular Lens (IOL)?

In cataract surgery, the natural lens, damaged through loss of transparency, is removed and replaced with an artificial lens to correct the patient's sight. This artificial lens is called an intraocular lens. Until recently, only monofocal intraocular lens have been used. However, there is now a new-generation toric lens, the **Acriva<sup>UD</sup> Toric**.



**Intraocular Lens**





## **Is It Possible To Treat Astigmatism While Treating Cataract?**

The artificial lens inserted into the eye during cataract surgery is designed to provide clear long-distance vision. However, a patient with existing astigmatism would normally need to continue using long-distance glasses following cataract surgery for correction of astigmatism. In order to treat both cataract AND correct existing astigmatism, the artificial lens needs to have a cylindrical value. Artificial lenses with cylindrical values are known as toric lenses. A toric lens with an appropriate value inserted into the eye during cataract surgery, also treats astigmatism. This results in the patient having excellent long-distance vision without needing to wear glasses.

## The Acriva<sup>UD</sup> Toric Intraocular Lens

**Acriva<sup>UD</sup> Toric** lenses are intraocular lenses that provide clear long-distance vision, while correcting corneal astigmatism at the same time. The surgical technique is the same as the one used in standard cataract surgery.



### What Is The Difference Between Monofocal Intraocular Lenses And Acriva<sup>UD</sup> Toric Intraocular Lenses?

Monofocal intraocular lenses are fixed-focus lenses. Patients have clear long-distance vision, but must continue to use glasses for their astigmatism. However, patients using **Acriva<sup>UD</sup> Toric** lenses see clearly without having to wear glasses, as their astigmatism had been corrected by the lenses.

# Now You Don't Have to Wear Glasses For Long-Distance Vision!\*\*

## Monofocal Intraocular Lens



A patient with a monofocal intraocular lens implant



A patient with monofocal. Intraocular Lenses must normally wear glasses for long-distance vision.

## Acryva<sup>UD</sup> Toric Intraocular Lens



A patient with an **Acryva<sup>UD</sup> Toric** lens implant



A patient with **Acryva<sup>UD</sup> Toric** and who has **astigmatism, does not usually need glasses.\***

\*Some patients may still need to wear glasses.

\*The information presented in this booklet does not supersede your doctor's recommendations. Please consult your eye care practitioner for more information.

\*\*Use of long-distance glasses depends on your post-operative condition. Please consult your doctor.



## The Advantages Of Acriva<sup>UD</sup> Toric IOLs

- ▲ A higher degree of astigmatism correction.
- ▲ Clear long-distance vision without glasses.
- ▲ Excellent day and night vision.
- ▲ Clearer and more vivid colours.
- ▲ As with high-definition television, high image quality.

## Why Acriva<sup>UD</sup> Toric ?

**Acriva<sup>UD</sup> Toric** intraocular lenses, with their specialised production technology and superior optical design, increase patient satisfaction.

Due to their cylindrical design, **Acriva<sup>UD</sup> Toric** IOLs provide you with excellent sight.

**Acriva<sup>UD</sup> Toric** lenses, made from cutting-edge materials, eliminate the need for glasses in everyday life by improving the quality of the patient's eyesight.



In addition to monofocal lenses, **Acriva<sup>UD</sup> Toric** lenses for presbyopia (difficulties with close-range reading) are also available. Please ask your doctor.

## Frequently Asked Questions



### **How long does the lens remain in the eye?**

Except under special circumstances, the lens remains in the eye for your lifetime.

### **Are they more expensive than normal lenses?**

Toric lenses are a little more costly than monofocal lenses because of the advantages they provide. However, as you won't need long-distance glasses after your operation, you will not have that extra expense.

### **Will I need glasses for long-distance vision after cataract surgery?**

If the artificial lens that is implanted in your eye has no cylindrical correction and is not

computed for long-distance vision, you will need long-distance glasses after surgery. This will depend on the degree of astigmatism that you have. If you choose the special 'toric' intraocular lenses with cylindrical correction, you will not need long-distance glasses.\*\*

### **Will I receive anaesthesia?**

Cataract surgery is normally carried out using a local anaesthetic. A general anaesthetic is only used on infants and children, or under special circumstances.

### **How long does cataract surgery take?**

The duration may vary depending on the patient's condition and the type and degree of the cataract. Today, cataract surgery can be completed quickly using phacoemulsification. With this technique, a small incision is made, through which the damaged lens is removed and the artificial intraocular lens inserted.

### **Will the eye have to be sutured during cataract surgery?**

This varies depending on the type of surgery, but with today's cataract surgery techniques - suturing is rarely needed.

\* The information provided for in this manual does not replace any information and recommendations to be given by your ophthalmologist. Please consult your ophthalmologist for detailed information.

\*\*In some cases it might be necessary to wear eyeglasses.

**Acriva<sup>UD</sup> Toric** intraocular lenses  
have been awarded the  
**“GREAT TECHNOLOGY AWARD”**  
by TÜBİTAK...

