



High-tech treatment for your eyes

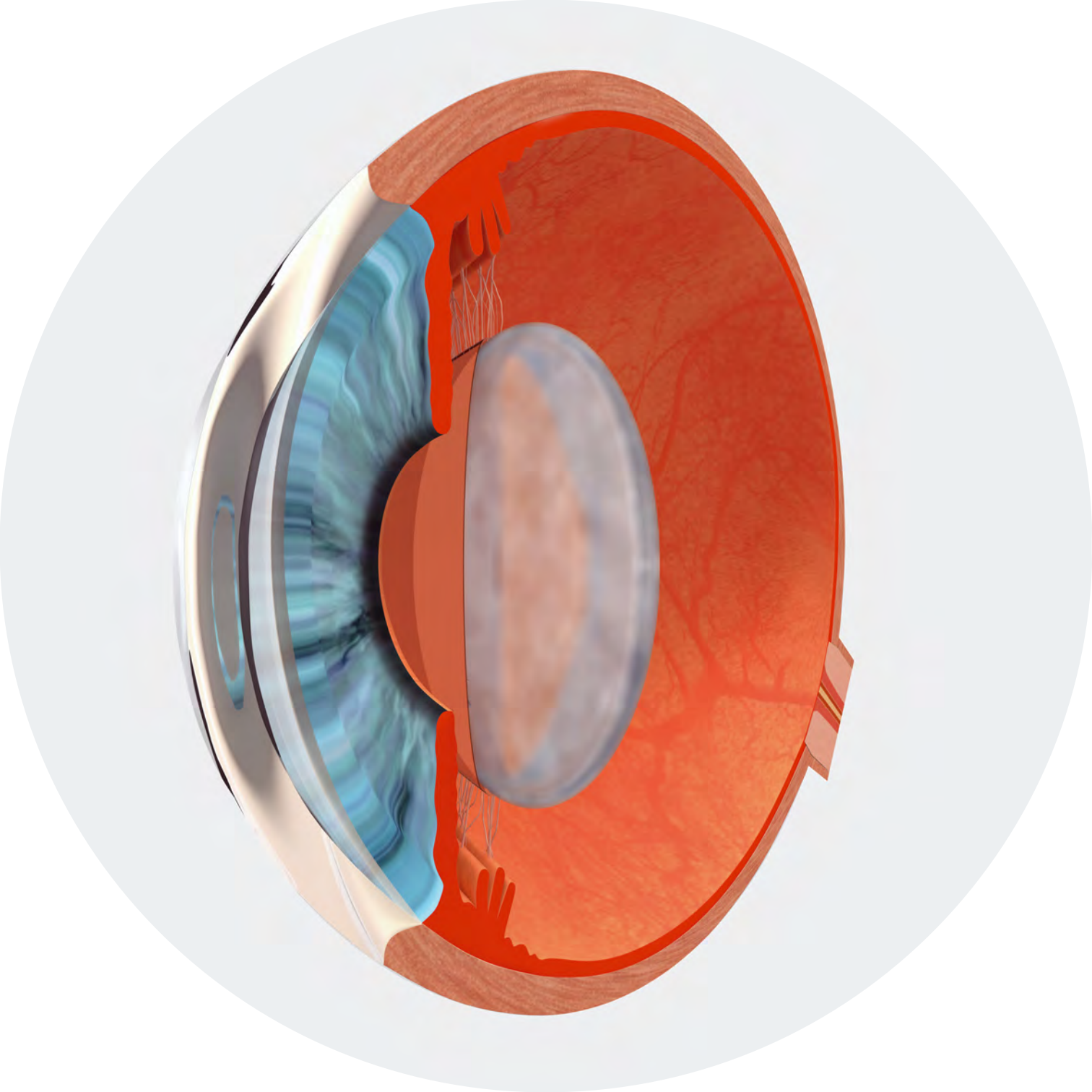
The perfect combination treatment for cataracts:
Femtosecond laser and the FEMTIS® intraocular lens



FEMTIS[®]

Nowadays, patients can receive a high-value medical treatment never previously achieved. Thus, their **quality of life can be significantly improved** thanks to the combination of the latest surgical techniques, state-of-the-art laser technologies and tailored intraocular lenses. The result is a pinpoint precision to meet the requirements and expectations of patients regarding their visual performance.

After all, the eye is one of our vital sensory organs. Without clear eyesight our quality of life and perception of the world around us are restricted, a condition noticed by many of those affected only when their vision becomes impaired, for example by a progressive cataract. The latest treatment options provide relief and, in a best case scenario, can dramatically improve a patient's eyesight.



Cataract surgery and state-of-the-art lenses

A prerequisite for clear vision following cataract surgery is the optimal fixation and alignment of the artificial intraocular lens in the eye.

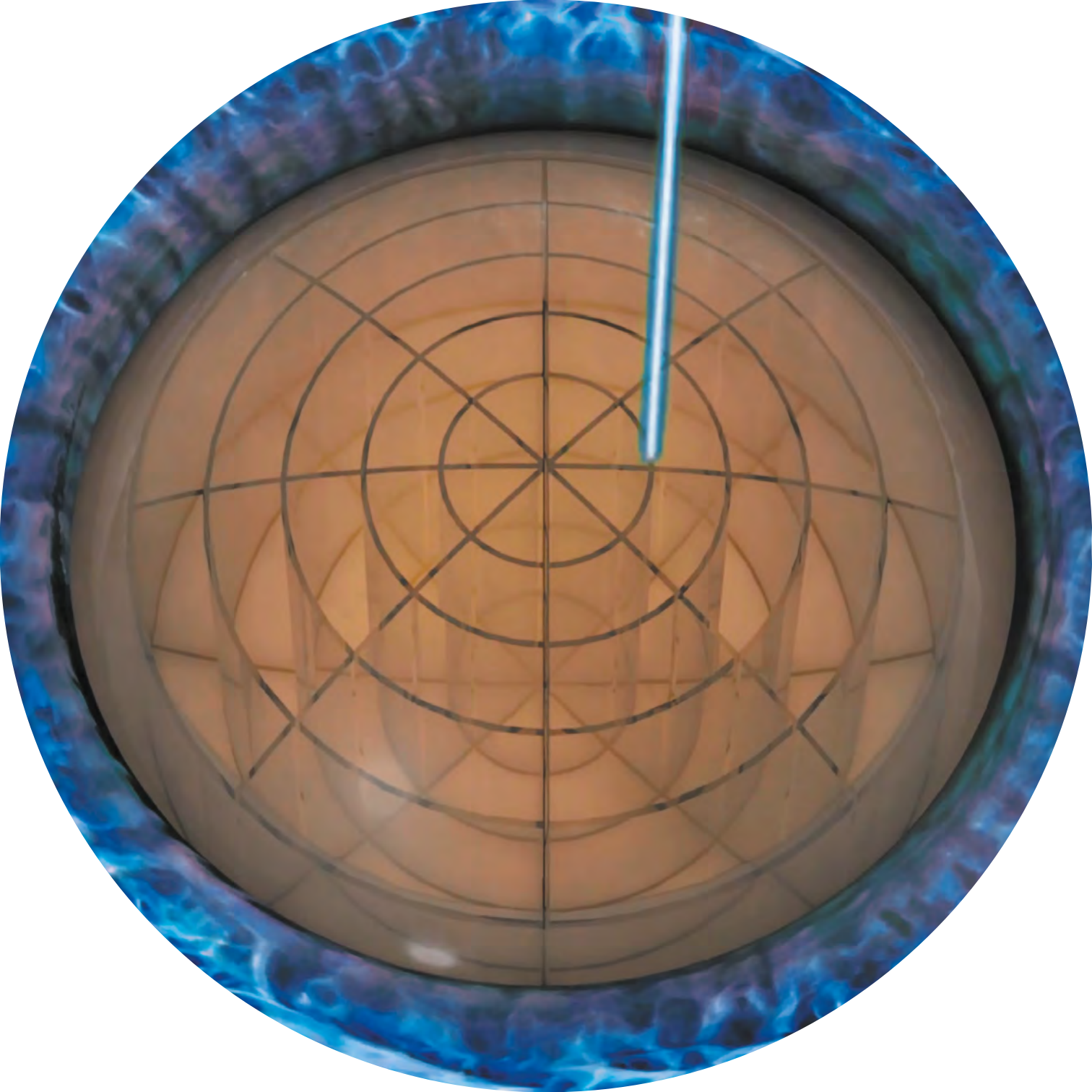
First, during the actual cataract surgery, the cloudy natural eye lens is removed. The remaining "envelope" (also termed the capsule or capsular bag) remains in the eye. This wafer-thin capsule must remain completely intact until the conclusion of the surgery to ensure that it can be used to fixate an artificial lens.



Manual and automated surgical procedures

A circular, enclosed opening must be made in the before mentioned anterior capsule to enable the surgeon to remove the cataract in a minimally invasive and controlled manner. If this opening is not circular or if there are cracks in the capsule, further tears may occur, preventing a secure fixation or even centration of the artificial lens later on.

Two methods are available to the surgeon to carry out this procedure: a manual or an automated capsulotomy.



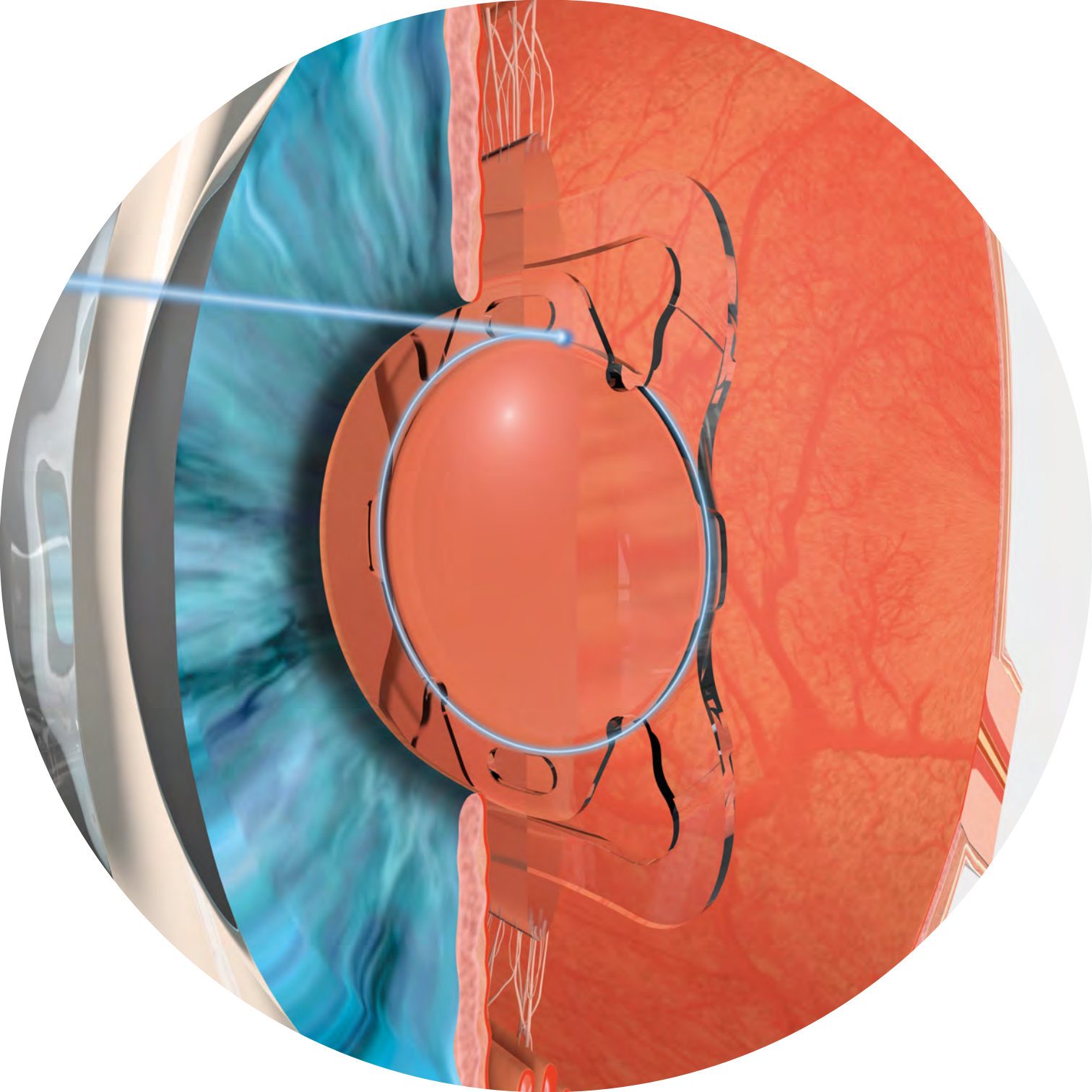
Pinpoint accuracy ensures greater safety

Automated surgical techniques with the Femtosecond laser:

Operating with pinpoint accuracy the laser cuts a circular capsulotomy of any required size with perfect centration. The laser can accurately measure the eye to the hundredth part of a millimeter.

Moreover, the cloudy eye lens, which has usually hardened to a certain degree, can be safely cut into small pieces by the laser beam, enabling the contents of the lens to be extracted and aspirated much more efficiently than by manual techniques.

Advantages: Automated operating techniques minimise mistakes, reducing the amount of work and time spent on the procedure.



Crystal-clear advantages

At the end of this procedure, the surgeon is left with a “perfect” capsular bag with a “perfectly” centred circular opening into which the implant, that is the artificial FEMTIS® intraocular lens, fits like a glove. The unique securing mechanism fitted to this state-of-the-art implant ensures that it can be inserted safely and securely into the capsulotomy.

**This combination ensures:
excellent postoperative vision!**

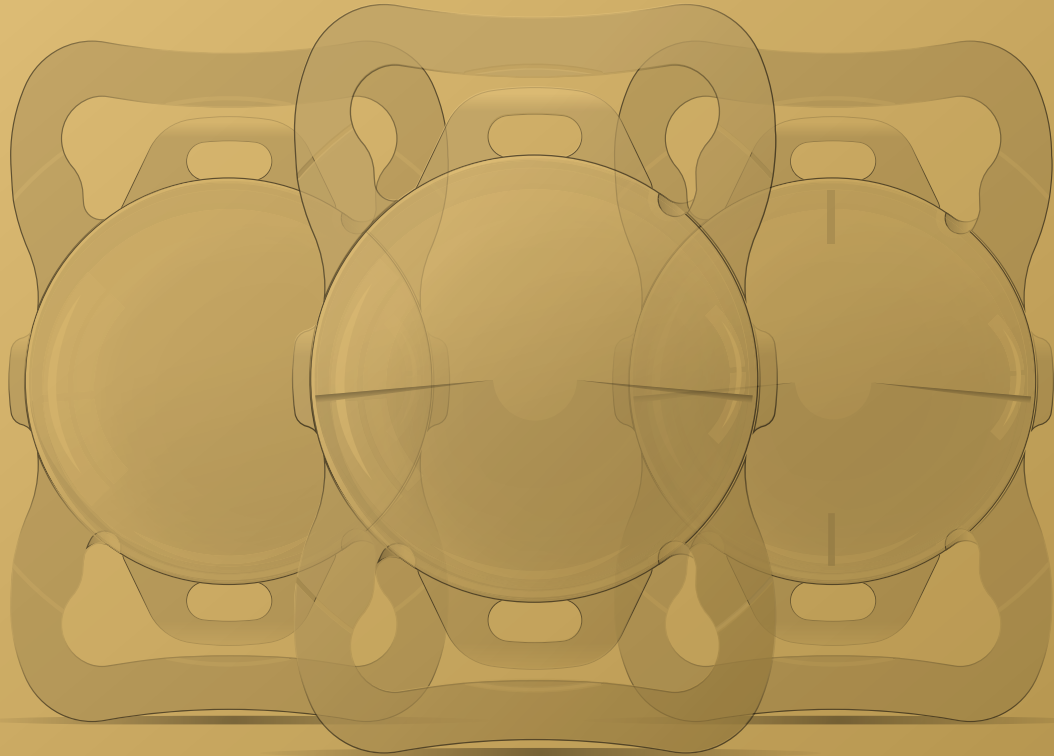
a **perfect fit** of the implant

precision positioning of the lens over the long term

refractive lens options to the patient



FEMTIS[®] IOL Family



Refractive-stability in all vision profiles

FEMTIS[®] | FEMTIS[®] Comfort | M_{plus} | Comfort^{toric} | M_{plus}^{toric}

Standard Intraocular lenses

The FEMTIS® lenses are available in different vision profiles. The monofocal FEMTIS® lens is the choice for optimal distance vision without glasses.

Depending on your individual situation, you may need glasses for intermediate and/or near vision even after cataract surgery.

No need for distance glasses

Comfort intraocular lenses

Thanks to its special optics and depth of focus optimisation the FEMTIS® Comfort lens increases spectacle independence both for distance vision and for vision in the so-called “intermediate area”. This is an area which lies immediately beyond the reading distance and is required especially in day-to-day situations such as the use of computers, shopping, using a smart phone or driving.

Varifocals no longer necessary

Increased range of vision for greater spectacle independence

Natural high contrast vision

Clear near vision*

*Reading glasses may be required to read
a book or a newspaper

Premium intraocular lenses

The FEMTIS® Mplus offers a balanced vision profile for all distances with its proven optical system. You can see continuously at all distances. With this multifocal lens (MIOL) you can achieve highest level of spectacle independence.

No more glasses necessary

The universal MIOL for an active lifestyle

Balanced vision profile for all distances



near

intermediate

distance

Toric intraocular lenses

Patients suffering from astigmatism do not have evenly round corneas, rather corneas with various curvatures (bumps and dips) in different directions. A toric lens can compensate it almost perfectly, so that the optical distortion of the environment is corrected and a clear focal point is formed on the retina.

FEMTIS® Comfort and Mplus are available as toric lenses

FEMTIS® Mplus Toric precisely corrects

astigmatism AND presbyopia

Clinically proven efficiency

An examination of the state-of-the-art FEMTIS® lens was conducted in a large clinical study* under the direction of Professor G.U. Auffarth (Heidelberg University Hospital). This study conclusively proved that the double fixation of the FEMTIS® in the anterior capsulotomy, performed with pinpoint accuracy by the Femtosecond laser, substantially improved the stability of the lens, reducing slipping, tilting or twisting in the eye compared with standard lenses.

Ideal conditions for optimal visual results!

*References: Auffarth et. al - Stability and Visual Outcomes of the Capsulotomy-Fixated FEMTIS-IOL
<https://pubmed.ncbi.nlm.nih.gov/33412122/>

The **FEMTIS[®]**
intraocular lens
is simply enslaved
in the capsulorhexis.

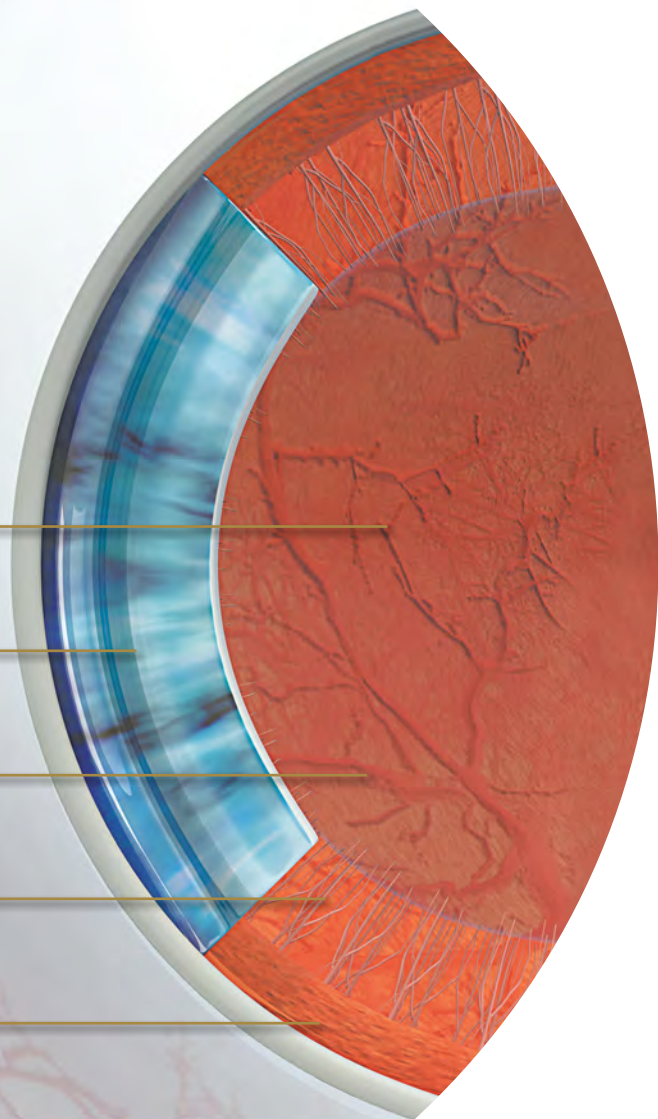
Capsulorhexis

Iris

Capsular bag

Zonular fibers

Ciliary body



Are you considering a cataract surgery?

Then talk to your eye doctor about this
new combination treatment.

You can also find more information online at:
www.teleon-patientinfo.com/en/home



Manufacturer:



Teleon Surgical B.V.

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