

UNIQUE PERFECTION



FEMTIS[®] IOL Family

Premium IOL Treatment
with Highest Precision

FEMTIS® IOL Family

Premium IOL for highest precision

The unique haptic design of the capsulorhexis-fixated FEMTIS® IOL Family allows maximum precision in combination with automated capsulotomies. The perfect centration of the IOL on the optical axis as well as the very high rotational stability are ideal conditions for a precise and optimised correction of refractive visual defects.

Perfect visual performance ¹

Proven **premium** Optics

4 additional **clip haptics**
for exceptionally stable positioning
and fixation in the capsular bag

Unique combination:
FEMTIS® IOL and automated
capsulotomy

Optimal centering & visual acuity results



The optimum in IOL premium care

Outstanding IOL & haptic design

Renowned surgical procedure

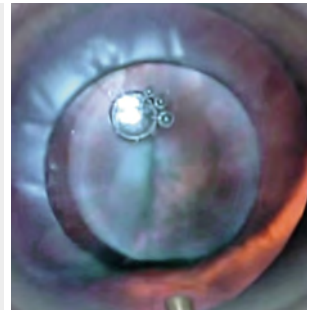


FEMTIS® IOL Family

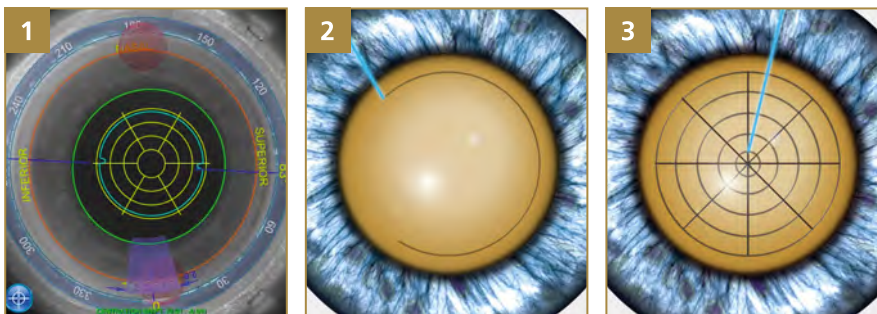
Precision with automated capsulotomies

Advantages of the automated capsulotomy ²

- Perfectly round cut
- Low ACO / PCO risk
- Very good reproducibility
- Perfect centering on the optical axis
- Highest precision
- Very little risk of capsule rupture
- No mechanical manipulation

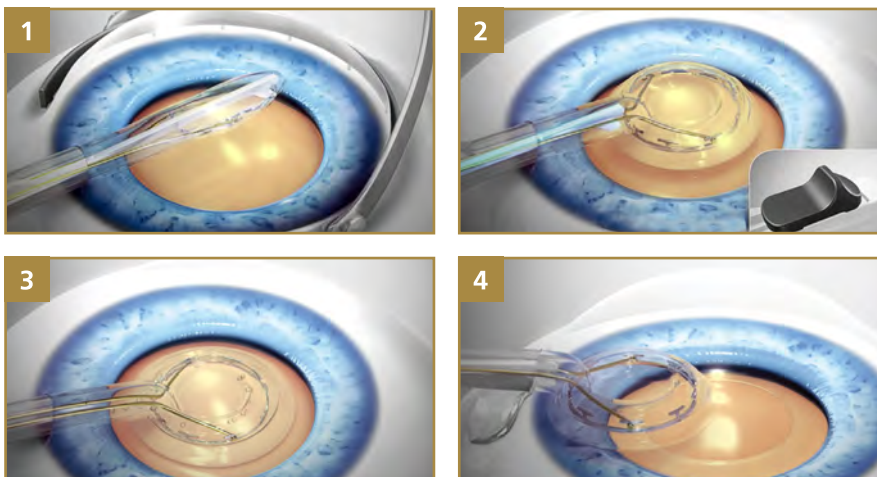


Laser-assisted capsulotomy [1st premium alternative]



- Step 1:** Individualised laser configuration
- Step 2:** Perfect, circular capsular bag opening using computer-controlled laser cutting technology
- Step 3:** Fragmentation of the lens nucleus

Zepto capsulotomy system [2nd premium alternative]



- Step 1:** Application of the zepto tip into the anterior chamber
- Step 2:** Positioning of the silicone ring on the optical axis
- Step 3:** Stick the silicone ring on the lens capsule
- Step 4:** Performing the capsulotomy

Disadvantages of manual capsulotomy

- Fluctuating reproducibility
- No alignment on the optical axis
- Increased risk of capsule rupture
- More time required
- Not perfectly round
- Higher ACO / PCO risk

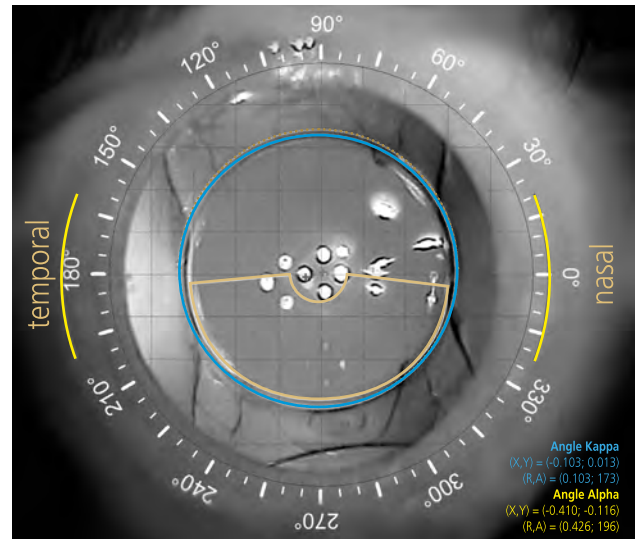


FEMTIS[®]

Unique Perfection

Perfect positioning of the IOL on the optical axis

- **Highest** rotational stability
- **Very low risk** of tilting
- **Very low risk** of decentration

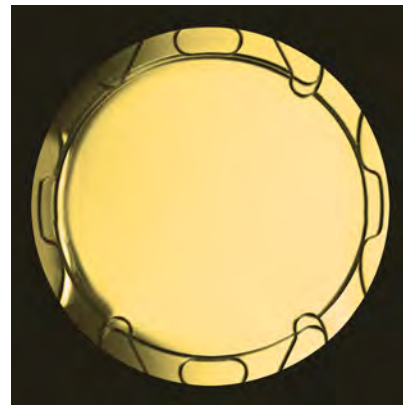


No dysphotopsias reported



Capsulorhexis margin of a standard, not fixated IOL

▼
Potentially pronounced symptoms of negative dysphotopsias



Capsulotomy rim and FEMTIS[®] IOL form an ideal unit

▼
No negative dysphotopsias reported

Sharp optical edge:

the best possible ACO / PCO prevention

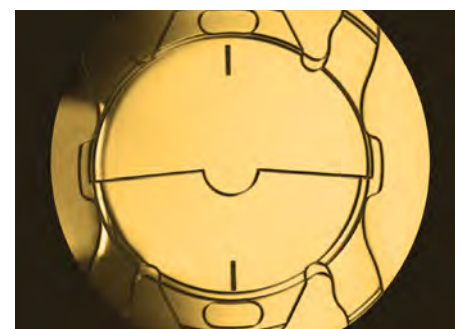


Optimal IOL stability

in the capsulorhexis



Perfect match: Automatic capsulotomy & FEMTIS[®] IOL

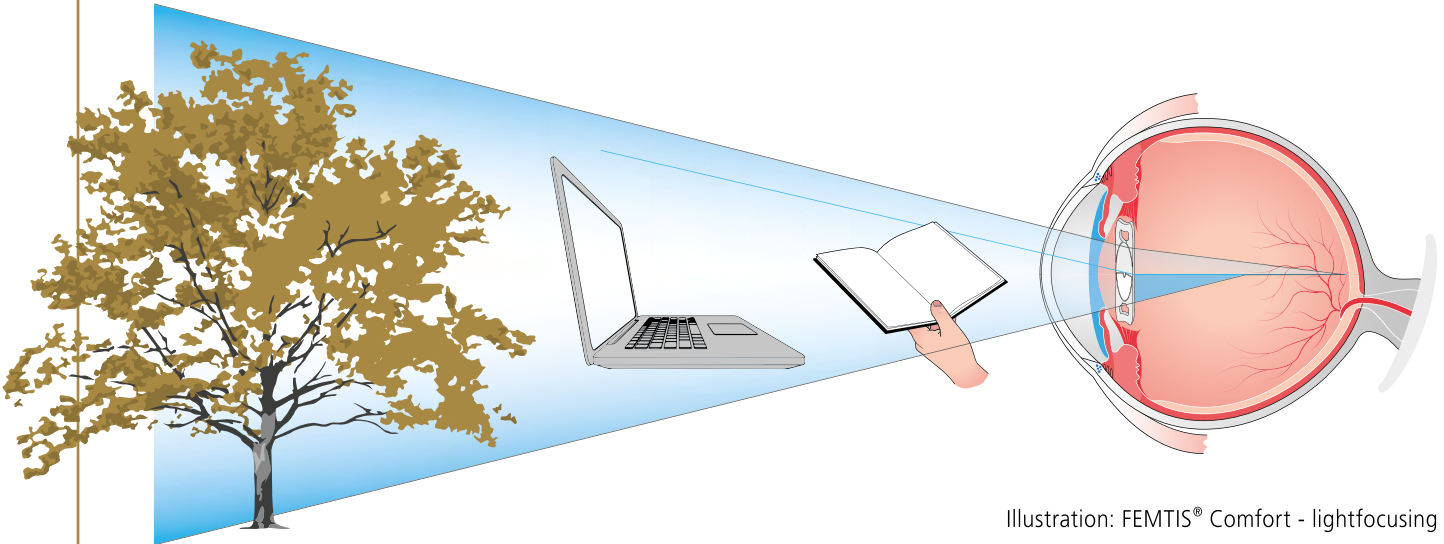


FEMTIS® Comfort

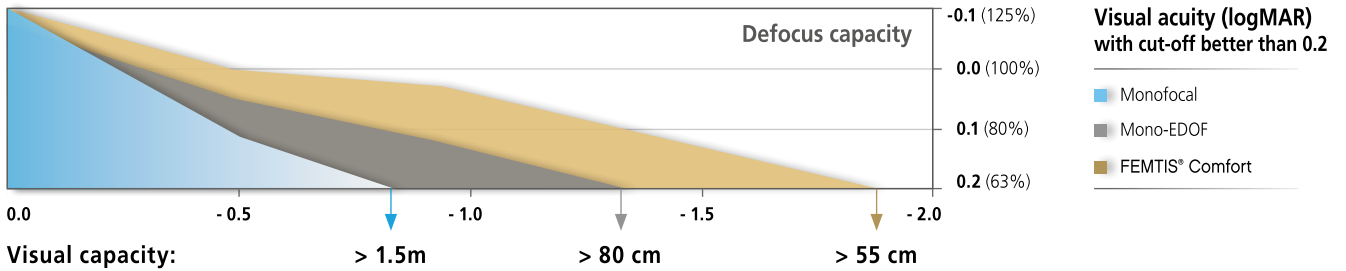
EDOF-IOL with varifocal effect

Continuous Transmission Technology

- Large distance optic zone ■ Transition free central optics
- EDoF segment for continuous light distribution through the entire intermediate area (varifocal effect)

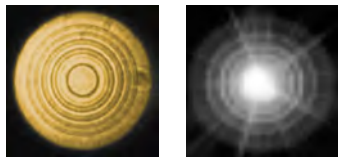
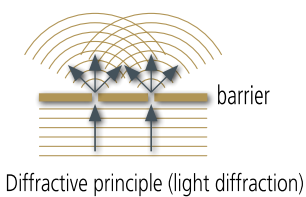


Superior visual comfort than with standard monofocal care

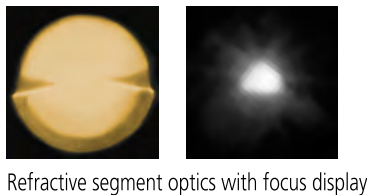
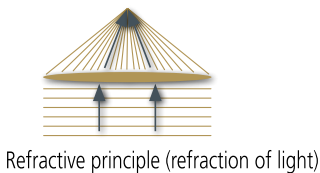


No unwanted side effects

No dysphotopsia due to unique refractive segment optic



Patient perception regarding halos and glare



Patient perception with the FEMTIS® Comfort*

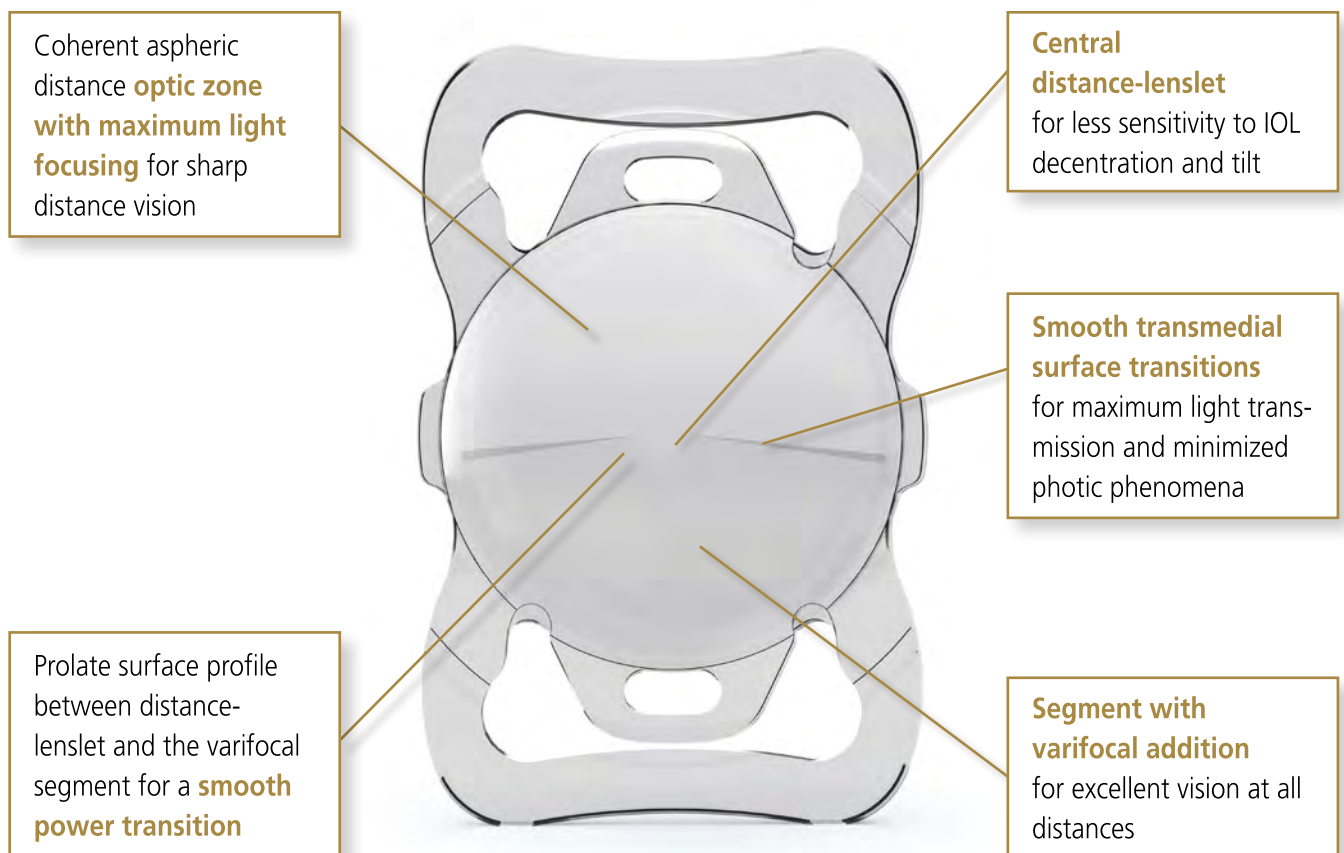
FEMTIS® M_{plus}

Premium-IOL with varifocal effect

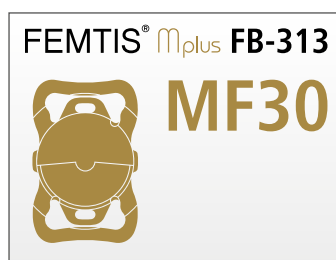
Unique asymmetrical-refractive optical design

Continuous Transmission Technology

- Large distance optic zone
- Smooth transition from distance to near
- Maximum light transmission for excellent vision and contrast



Proven optical system for all distances



near

intermediate

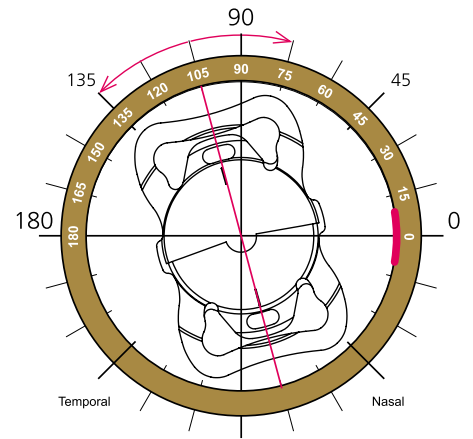
distance

- Balanced vision profile for all distances
- The universal MIOL for an active lifestyle
- Successful and proven optical system for more than 10 years

FEMTIS® Comfort^{toric}

Perfect correction of astigmatism

- Easy axis alignment of the IOL
- Rotation* still possible in both directions after enclavating the clip haptics



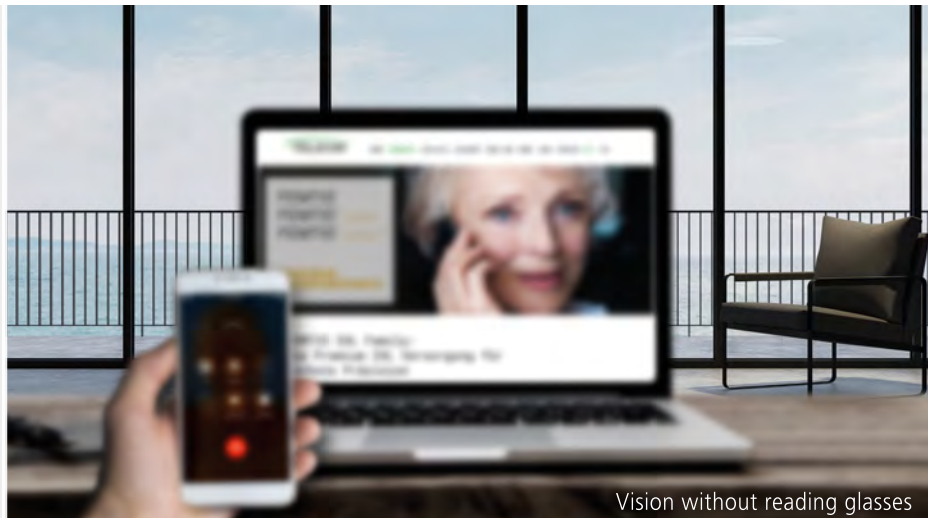
* Source: Clinical evaluation of the rotational stability, Prof. B. Dick, University Hospital Bochum

FEMTIS® M_{plus}^{toric}

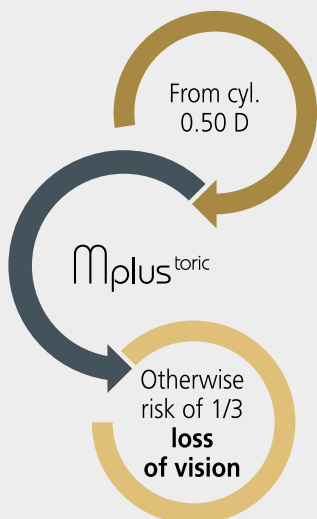
Perfect refractive results in the correction of presbyopia and astigmatism

Presbyopia

For many patients, the age-related deterioration of near and intermediate vision goes hand in hand with a loss of their freedom and independence. Multifocal intraocular lenses are an excellent alternative to reading and varifocal spectacles and offer a permanent solution to this problem.

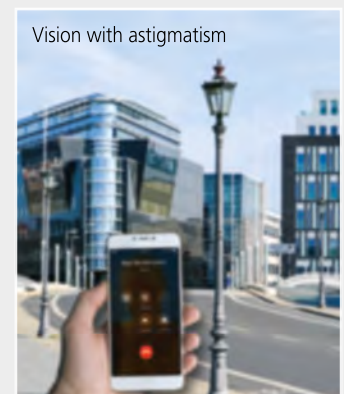


Vision without reading glasses



Astigmatism

Impaired vision at all distances, due to irregular curvature of the cornea.



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

IOL calculation with the TELEON Toric Lens Configurator

1

Choose LENTIS® | FEMTIS®

2

Name of **Surgeon** / Clinic

Patient ID

Selection of the **Eye**

Input of **SE** (biometry)

Input of **Corneal Radii**

3

Selection of **toric IOL**

	IOL	IOL Diopter	Predicted Residual Astigmatism
<input type="radio"/>	FB-313 MF15T0	+20.0 C +0.75 D	+0.44 D @ 90°
<input checked="" type="radio"/>	FB-313 MF15T1	+20.0 C +1.50 D	-0.11 D @ 90°
<input type="radio"/>	FB-313 MF15T2	+20.0 C +2.25 D	-0.67 D @ 90°
<input type="radio"/>	FB-313 MF15T3	+20.0 C +3.00 D	-1.24 D @ 90°

4

- PDF for easy ordering
- **IOL location for surgery**
- Easy documentation

IOL Type:
FB-313 MF15T1

IOL Diopter on Label:
SE +20.0 C +1.50 D

OD

15 SE

Cyl. IOL Axis [90°]:

FEMTIS® studies

Groundbreaking clinical results



IOL fixation in the capsulotomy - results of a FEMTIS® multicentre study

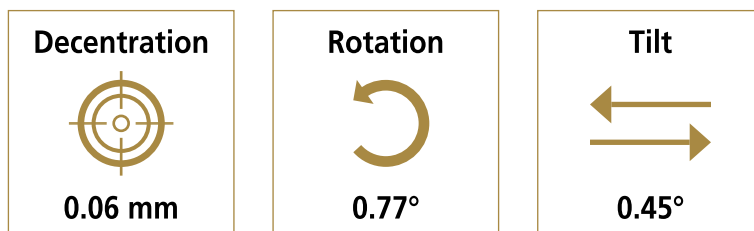
in 360 eyes

DOI: <https://doi.org/10.1016/j.ajo.2020.12.025>

Prof. Gerd Auffarth, MD



■ International multicentre study in 8 clinics



FEMTIS® Comfort – a capsulorhexis-fixed EDoF IOL

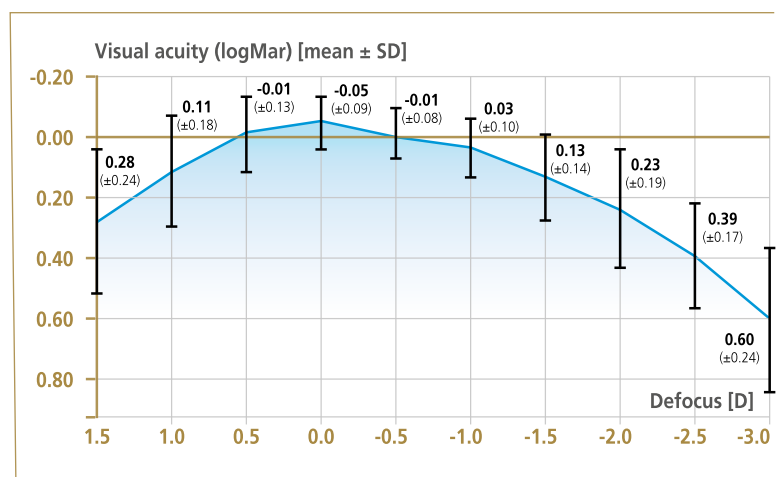
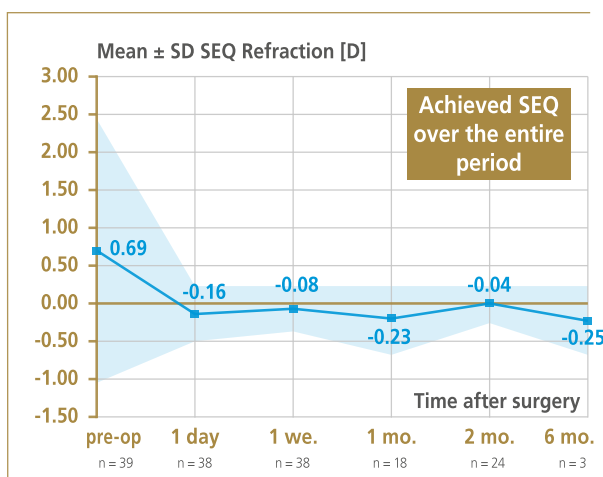
in 50 eyes

DOI: <https://doi.org/10.1097/j.jcrs.0000000000000044>

Patrick Versace, MD



■ Fast refraction stability thanks to the fixed IOL position ■ Average change in IOL position over 6 months: 0.092 µm



Advantages of effective lens positioning and refraction stability with FEMTIS®

in 70 eyes

DOI: <https://doi.org/10.1016/j.ajo.2020.01.009>

Prof. Wolfgang J. Mayer, MD



■ FEMTIS® guarantees significantly better refractive predictability due to a stable ELP compared to intraocular lenses with C-loops or simple plate haptics



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

One-piece posterior chamber lens with aspherical segmental optics for automated capsulotomies

EDOF Auto-CCC aspheric

EDOF Auto-CCC aspheric toric

Product	FEMTIS [®] Comfort FB-313 MF15	FEMTIS [®] Comfort ^{toric} FB-313 MF15 T0-T3
Type	Foldable one-piece EDoF-IOL for capsular bag and additional capsulotomy fixation	Foldable one-piece toric EDoF-IOL for capsular bag and additional capsulotomy fixation
Optic size	5.7 mm	
Overall length	10.5 mm	
Haptic Angulation	0°	
Optic Design	Biconvex Sector-shaped near vision segment Anterior: +1.5 D Aspherical surface - posterior Spherical aberration neutral	Biconvex Sector-shaped near vision segment Anterior: +1.5 D Aspherical & toric surface - posterior Spherical aberration neutral
Design	Plate haptic with additional Clip-haptics Optic and haptics with square edges, posterior 360° continuous barrier effect	
Material	HydroSmart [®] - a copolymer, consisting of hydrophilic acrylates with hydrophobic properties and UV absorbing	
Available Diopters	SE +15.0 D to +30.0 D (0.5 D)	SE +15.0 D to +30.0 D (0.5 D) cyl. T0 +0.75 D T1 +1.5 D T2 +2.25 D T3 +3.0 D
Refractive Index	1.46	
A-Constant (nominal)	117.8	
Sterilisation	Steam sterilisation	
Storage	Storage in sterile water	
Recommended Injector-Sets	Check compatibility of IOL with injector matrix provided at https://lentis-eifu.com	

Source: IOLcon.org

Please note that neither Teleon nor IOLcon can be held responsible for correctly specifying the optimized A constants for the Zeiss IOLMaster. The specified constants are therefore, to be seen as a guide value and starting point for calculating the IOL refractive power.

Advantages of FEMTIS[®] Comfort | FEMTIS[®] Comfort^{toric}

- **EDOF IOL:** Intraocular lens for an optimised vision in the daily routine work of the patient
- Excellent visual performance for far and intermediate distances
- Natural image and colour perception
- Improved contrast and depth of focus for optimal vision in low light conditions
- Aberration neutral



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

One-piece posterior chamber lens with aspherical segmental optics for automated capsulotomies

multifocal Auto-CCC aspheric

multifocal Auto-CCC aspheric toric

Product	FEMTIS [®] M _{plus} FB-313 MF30	FEMTIS [®] M _{plus} ^{toric} FB-313 MF30 T0-T3
Type	Foldable one-piece multifocal IOL for capsular bag and additional capsulotomy fixation	Foldable one-piece toric multifocal IOL for capsular bag and additional capsulotomy fixation
Optic size	5.7 mm	
Overall length	10.5 mm	
Haptic Angulation	0°	
Optic Design	Biconvex Sector-shaped near vision segment Anterior: +3.0 D Aspherical surface - posterior Spherical aberration neutral	Biconvex Sector-shaped near vision segment Anterior: +3.0 D Aspherical & toric surface - posterior Spherical aberration neutral
Design	Plate haptic with additional Clip-haptics Optic and haptics with square edges, posterior 360° continuous barrier effect	
Material	HydroSmart [®] - a copolymer, consisting of hydrophilic acrylates with hydrophobic properties and UV absorbing	
Available Diopters	SE +15.0 D to +30.0 D (0.5 D)	SE +15.0 D to +30.0 D (0.5 D) cyl. T0 +0.75 D T1 +1.5 D T2 +2.25 D T3 +3.0 D
Refractive Index	1.46	
A-Constant (nominal)	117.8	
Sterilisation	Steam sterilisation	
Storage	Storage in sterile water	
Recommended Injector-Sets	Check compatibility of IOL with injector matrix provided at https://lentis-eifu.com	

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Advantages of FEMTIS[®] M_{plus} | FEMTIS[®] M_{plus}^{toric}

- Large distance optic zone
- Smooth transition from distance to near
- Refractive optical design for continuous vision in all distances (varifocal effect)
- Maximum light transmission for excellent vision and contrast



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