

UNIQUE PERFECTION



## FEMTIS<sup>®</sup> IOL Family

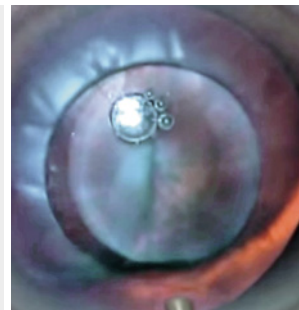
Premium IOL Treatment  
with Highest Precision

# FEMTIS® IOL Family

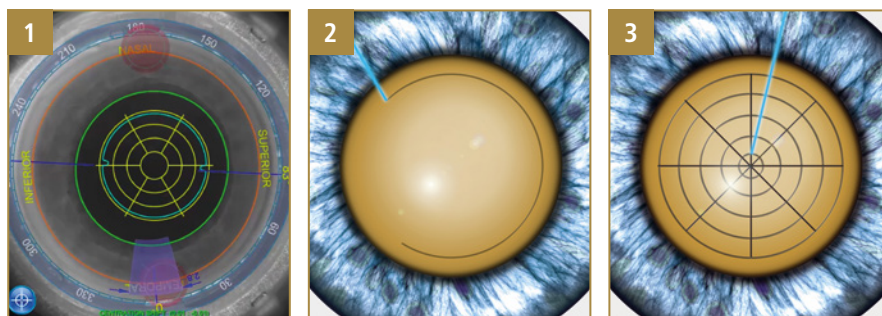
## Precision with automated capsulotomies

### Advantages of the automated capsulotomy<sup>1</sup>

- 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

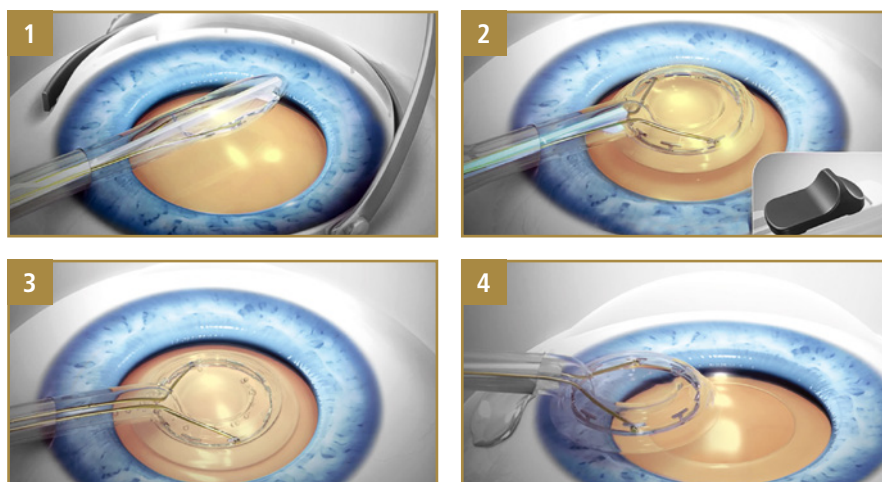


### Laser-assisted capsulotomy [ 1<sup>st</sup> premium alternative ]



- 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

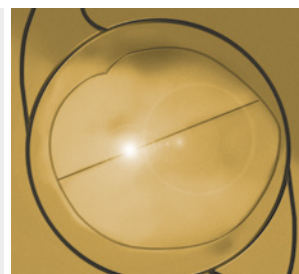
### Zepto capsulotomy system [ 2<sup>nd</sup> premium alternative ]



- 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® IOL Family

Perfect visual performance<sup>2</sup>

Proven **premium** Optics

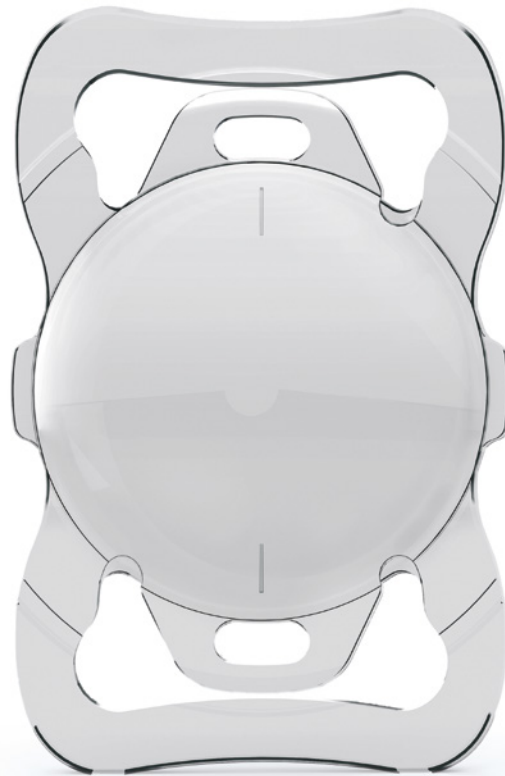
**4** additional **clip haptics**

for exceptionally stable positioning and fixation in the capsular bag

**Unique combination:**

**FEMTIS® IOL** and automated capsulotomy

**Optimal** centering & visual acuity results



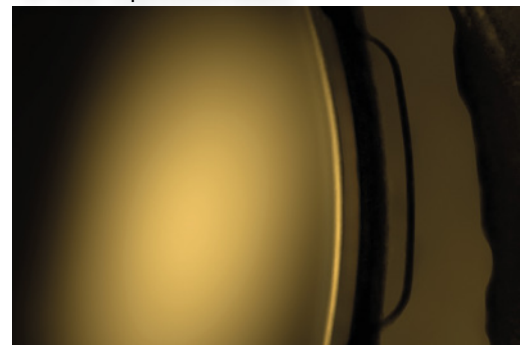
**Sharp optical edge:**

the best possible ACO / PCO prevention



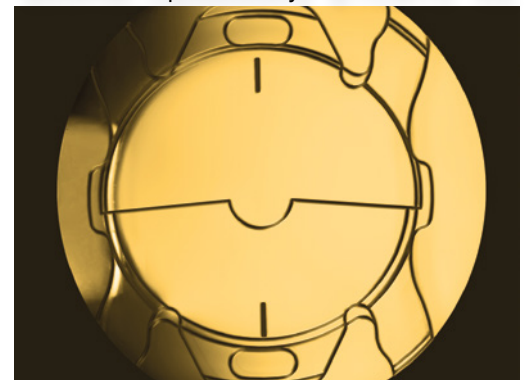
**Optimal IOL stability**

in the capsulorhexis



**Perfect match:**

automat. capsulotomy & FEMTIS® IOL

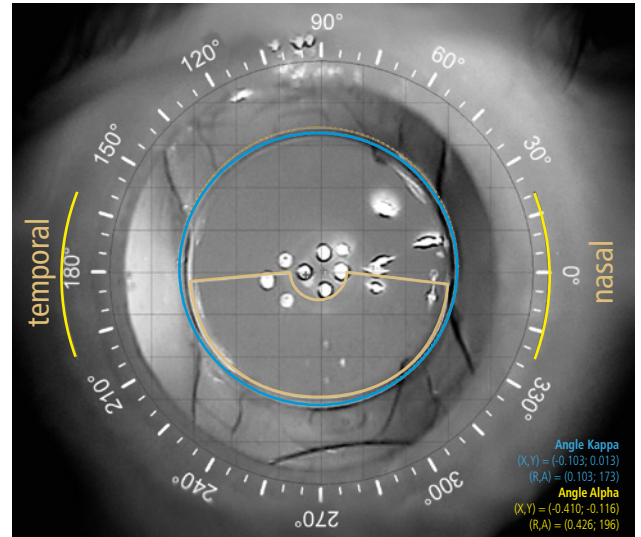


# FEMTIS<sup>®</sup>

## Unique Perfection

Perfect positioning of the IOL on the optical axis

- **Highest** rotational stability
- **No** tilting
- **No** decentration



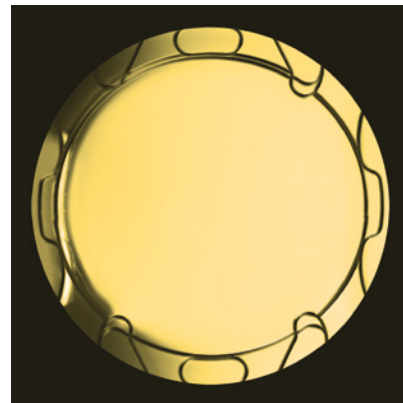
# FEMTIS<sup>®</sup>

## No dysphotopsias



Capsulorhexis margin of a standard, not fixated IOL

▼  
**Potentially pronounced symptoms of negative dysphotopsias**



Capsulotomy rim and FEMTIS<sup>®</sup> IOL form an ideal unit

▼  
**No negative dysphotopsias**

Unmatched visual quality - unique in the entire IOL market

The optimum in IOL premium care

Outstanding IOL & haptic design

Renowned surgical procedure

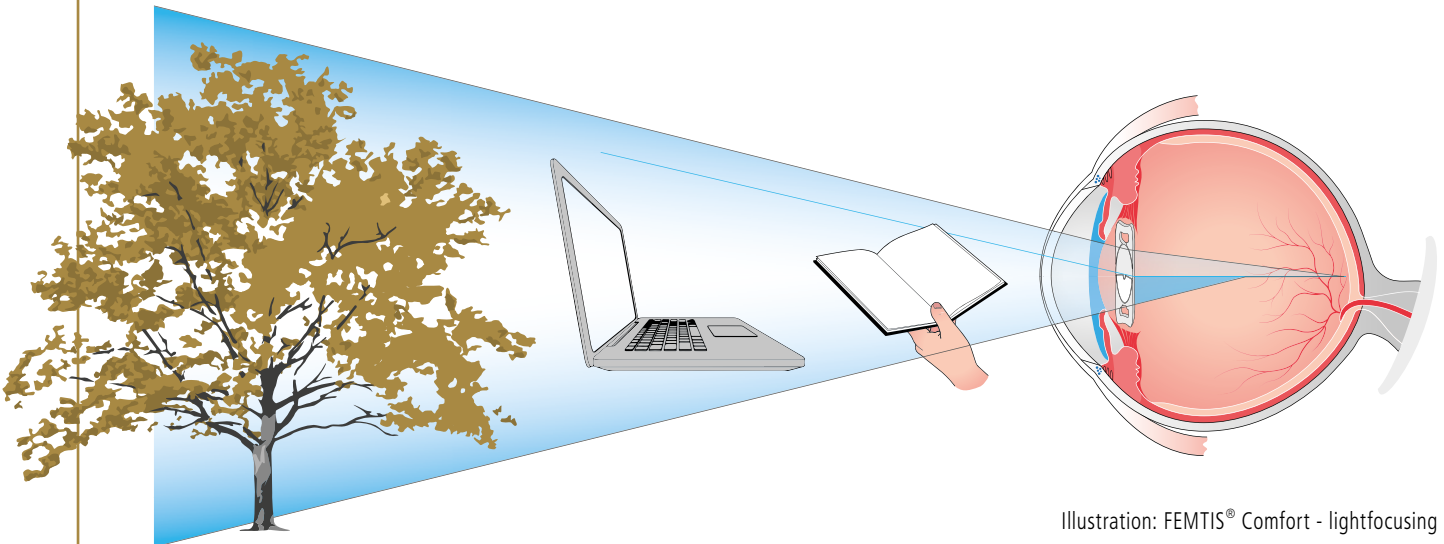


# FEMTIS® Comfort

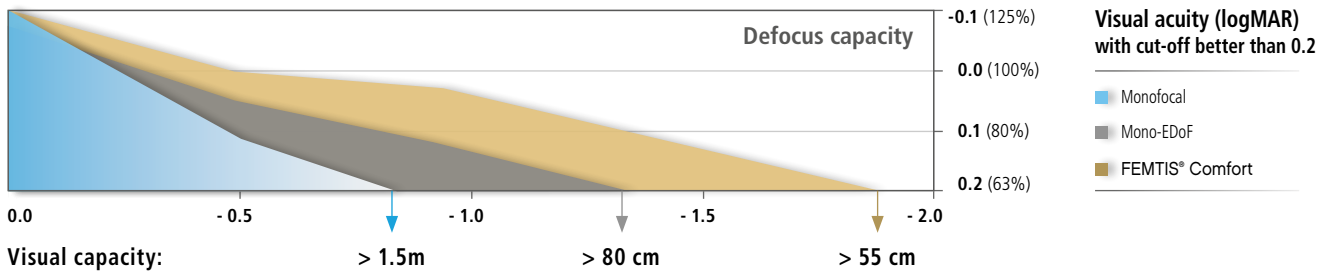
## EDoF-IOL with varifocal effect

### Continuous Transmission Technology

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



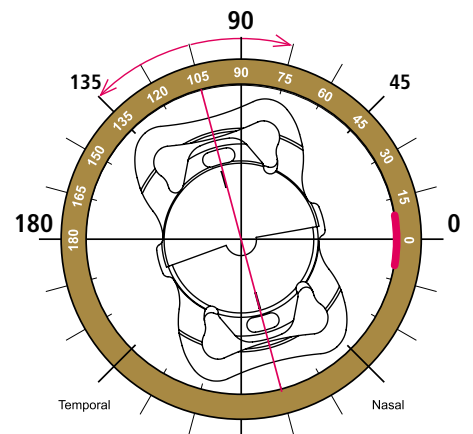
### Superior visual comfort than with standard monofocal care



# FEMTIS® Comfort<sup>toric</sup>

## 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® studies

## Groundbreaking clinical results



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

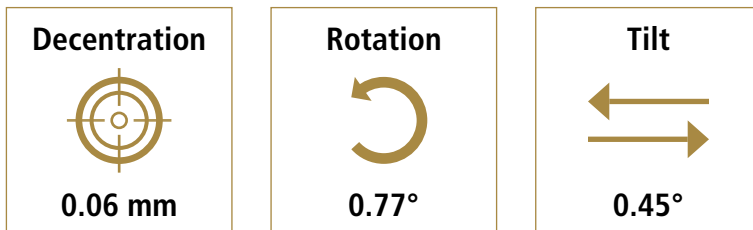
in 360 eyes

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

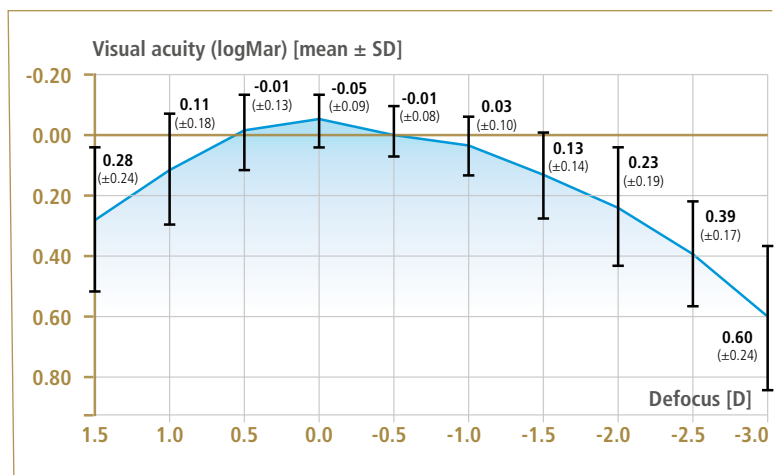
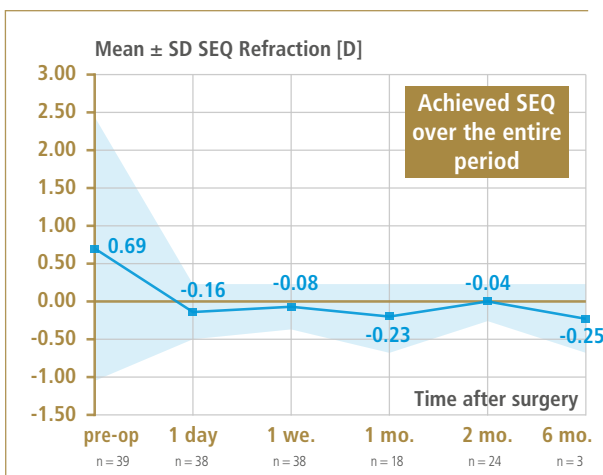
in 50 eyes

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<sup>toric</sup>

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 <sup>toric</sup> 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 surface and UV absorbing	
Available Diopters	SE +15.0D to +30.0D (0.5D)	SE +15.0D to +30.0D (0.01D) 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	
Recommended Rhexis Size	4.8 - 5.2 mm	
Sterilisation	Steam sterilisation	
Storage	Storage in sterile water	
Recommended Incision Size	≥ 2.2 mm	
Recommended Injector-Sets	Check compatibility of IOL with injector matrix provided at <a href="https://lentis-eifu.com">https://lentis-eifu.com</a>	

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 the FEMTIS® IOL Family:

- Unique haptic system for perfect IOL positioning
- Highest patient satisfaction thanks to the most reliable refractive predicatbility for highest patient satisfaction
- Best quality of vision thanks to the perfect combination of FEMTIS® IOL and automated capsulotomy technologies



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