

VISION WITHOUT COMPROMISE



LENTIS[®] MplusFamily

The premium IOL family for optimal treatment of cataracts considering presbyopia and astigmatism

LENTIS® Mplusfamily

The premium multifocal IOL family with the varifocal effect - as individual as your patients

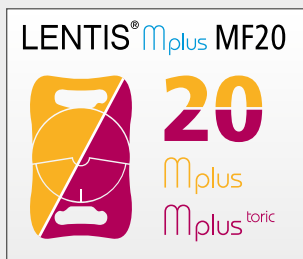


Vision without reading glasses

Presbyopia

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

Individual visual requirements need individual solutions!

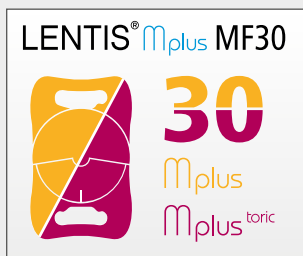


Near

Intermediate

Distance

- For early presbyopia
- Life style preference for intermediate ranges (computer work, driving, etc.)
- Zero tolerance of side effects

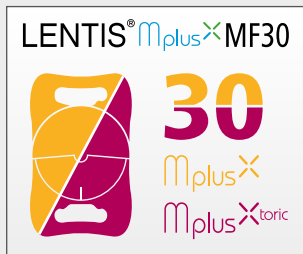


Near

Intermediate

Distance

- Allrounder for active daily life style requirements
- Balanced for all distances
- Successful for more than 10 years



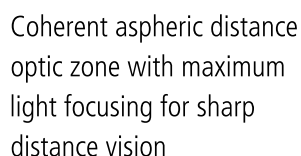
Near

Intermediate

Distance

- "X" -tra power for near ranges
- Optimised for intense reading

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



Central distance-lenslet
for less sensitivity to IOL
decentration and tilt

Smooth transmedial surface transitions for maximum light transmission and minimized photic phenomena

Prolate surface profile
between distance-lenslet and
the varifocal segment for a
smooth power transition

Segment with varifocal
addition for excellent vision
at all distances

A diagram of a cable-stayed bridge. It features a yellow deck supported by two blue piers. Multiple yellow stay cables connect the piers to the deck. Two blue arrows point upwards from the deck towards the piers, indicating the direction of the support force.



diffractive optics

refractive segmental optics

Patient perception with the LENTIS® Mplus*

Clinical results



Optimised vision with LENTIS[®] Mplus MF20

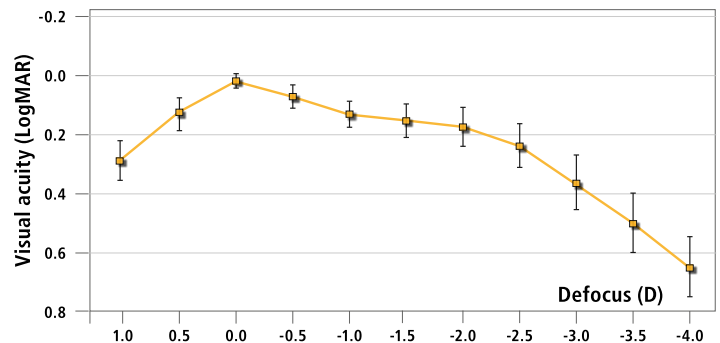
in 198 eyes

<https://www.springermedizin.de/factors-for-good-near-and-distance-visual-outcomes-of-multifocal/18031582>

Jung Wan Kim (MD)



- Results show excellent distance visual acuity up to 1.0 and good near visual acuity at 40cm
- Excellent defocus performance
- Maximum IOL performance for younger patients with a low level of residual refraction



Reading performance of LENTIS[®] Mplus MF30

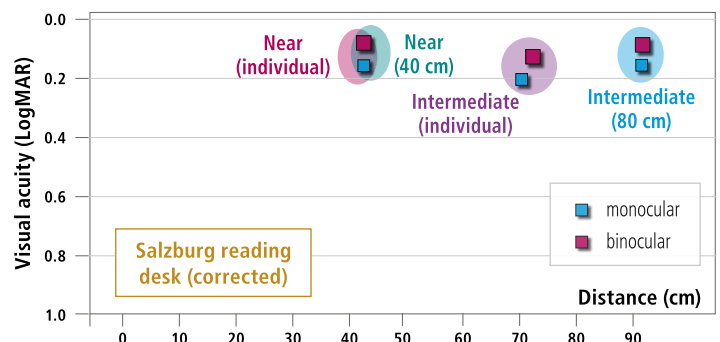
in 34 eyes

<https://www.healio.com/ophthalmology/journals/jrs/>

Prof. Gerd Auffarth



- Good near and intermediate vision as well as good reading speed
- Individually preferred reading distance: 39cm
- Individually preferred intermediate distance : (extra space) 62cm



Intermediate and near vision with LENTIS[®] MplusX

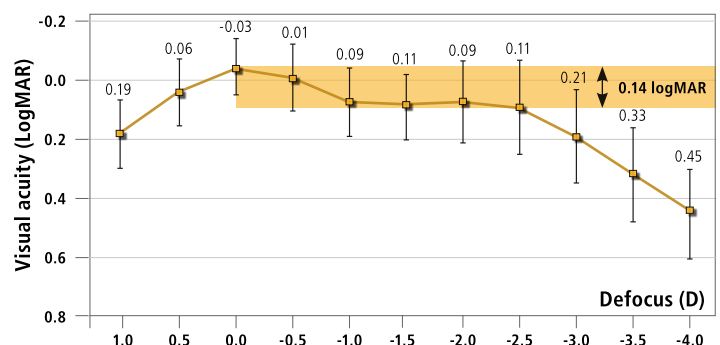
in 50 eyes

[https://www.ajo.com/article/S0002-9394\(18\)30171-5/fulltext](https://www.ajo.com/article/S0002-9394(18)30171-5/fulltext)

Prof. Thomas Kohnen



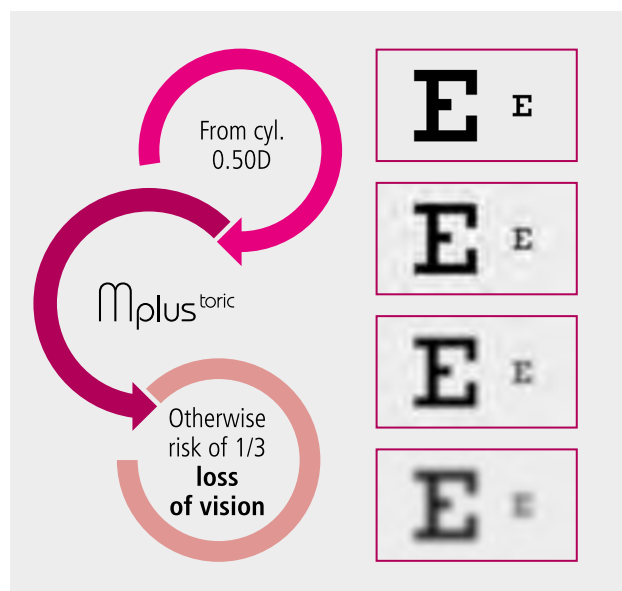
- Continuously good visual acuity at all distances, especially for intermediate and near
- Good reading speed
- Very good contrast sensitivity



LENTIS® Mplus^{toric} Family

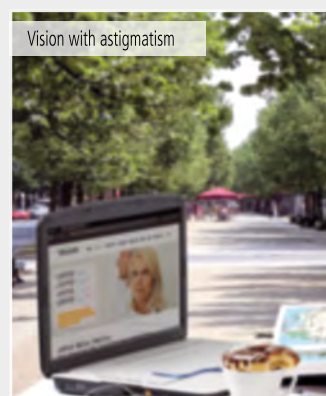
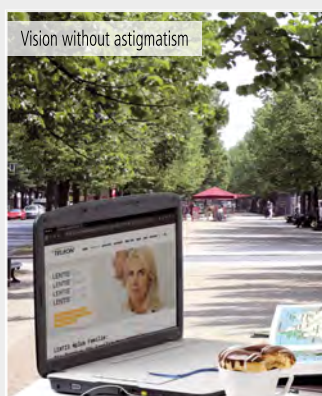
Multifocal-toric premium IOLs

for correcting presbyopia and astigmatism



Irregular curvature of the cornea (astigmatism)

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



Clinical results



Results of LENTIS® Mplus | Mplus^{toric} MF30T

in 9366 | 89 eyes

<https://www.sciencedirect.com/science/article/abs/pii/S0886335013001120>

Jan Venter (MD)



- Effective correction of corneal astigmatism
- Stable positioning in the capsular bag, no significant IOL rotation
- Excellent visual acuity and high patient satisfaction



Refractive stability of the LENTIS® Mplus^{toric} MF30T

in 70 eyes

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4886883/>

Patrick J. Chiam (MD)



- High rotational stability (<2.8°)
- Effective correction of the corneal cylinder
- Pre-op astigmatism average cyl 1.41 D
- Post-op residual astigmatism average cyl 0.18 D

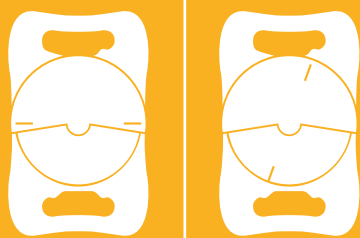


I am impressed with the wide range of customizable correction possible with the LENTIS® Mplus^{Xtoric}, and patients like the fact that they will receive “their” lens.

https://www.teleon-surgical.com/media/oculentis_supplement_022014.pdf

Ludger Hanneken (MD)





LENTIS® Mplusfamily

One-piece multifocal and multifocal toric posterior chamber lenses for optimized depth of field with aspherical surface for capsular bag fixation

Product	LENTIS® Mplus [×] Mplus	LENTIS® Mplus [×] toric Mplus ^{toric}
	multifocal aspheric	multifocal aspheric customised toric
Type	Foldable one-piece multifocal acrylic IOL for capsular bag fixation	Foldable one-piece multifocal toric acrylic IOL for capsular bag fixation
Optics Size Overall Length	6.0 mm 11.0 mm	6.0 mm 11.0 mm
Haptic Angulation	0°	0°
Optics Design	- Dioptres: Convex-concave + Dioptres: Biconvex Aspherical surface - posterior, sector-shaped nearvision segment - anterior	Biconvex Aspherical and toric surface - posterior, sector-shaped nearvision segment- anterior Additionally available with violet light filter
IOL Design	Optics and haptics with square edges, posterior 360° continuous barrier effect	Plate haptic Optics and haptics with square edges
Material	HydroSmart® - a copolymer, consisting of acrylates with hydrophobic properties, UV absorbing	
Available Diopters	SE -10.0 D to -1.0 D (1.0 D) SE ±0.0 D to +36.0 D (0.5 D)	sph. ±0.0 D to +36.0 D (0.01 D) cyl. +0.5 D to +10.0 D (0.01 D) (sph. + cyl. < 40.0 D) axis (1°-scaling)
Refractive Index	1.46	1.46
A constant (nominal)	118.0	118.0
Sterilisation	Steam sterilisation	Steam sterilisation
Storage	Supplied in sterile water	Supplied in sterile water
Recommended Injector-Sets [disposable]	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 the LENTIS® Mplusfamily compared to the diffractive MIOL restoration:

- Natural, continuous vision over all distances thanks to the varifocal effect
- Maximum use of light
- Uniquely brilliant optics without rings
- Very little to no dysphotopsia

MANUFACTURER:



Teleon Surgical B.V.

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