Reliably providing your patients with maximum spectacle independence.

ZEISS AT LISA tri family

The proven trifocal IOL platform

ZEISS

www.zeiss.com/lisa

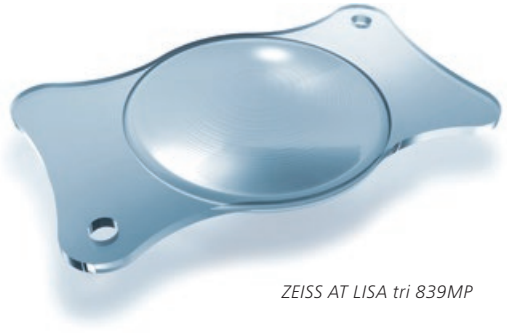
Seeing beyond

Cataract patients nowadays have very high expectations concerning their visual performance after IOL implantation. Wishing to maintain their active lifestyle into older age, they require a solution that enables them to perform most daily activities without visual aids. In short, they wish to enjoy visual freedom.

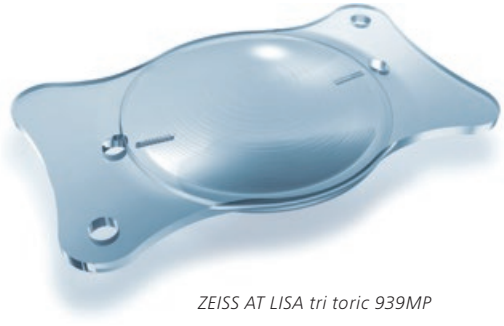
The AT LISA tri family from ZEISS - AT LISA tri and AT LISA tri toric - is the leading trifocal technology that allows you to offer your patients maximum spectacle independence.

Discover the major benefits of the ZEISS AT LISA tri and AT LISA tri toric for your patients …

- Spectacle independence at all distances
- Very good vision under all light conditions
- Exceptionally high patient satisfaction
- Proven clinical outcomes reported in over 85 peer-reviewed publications



ZEISS AT LISA tri 839MP



ZEISS AT LISA tri toric 939MP

…thanks to the unique features of the trifocal family concept:

- Two distinct focal points for intermediate and near distances
- Asymmetrical light distribution
- Pupil size independence
- Reduced visual phenomena
- Precise astigmatism correction** with the ZEISS AT LISA tri toric

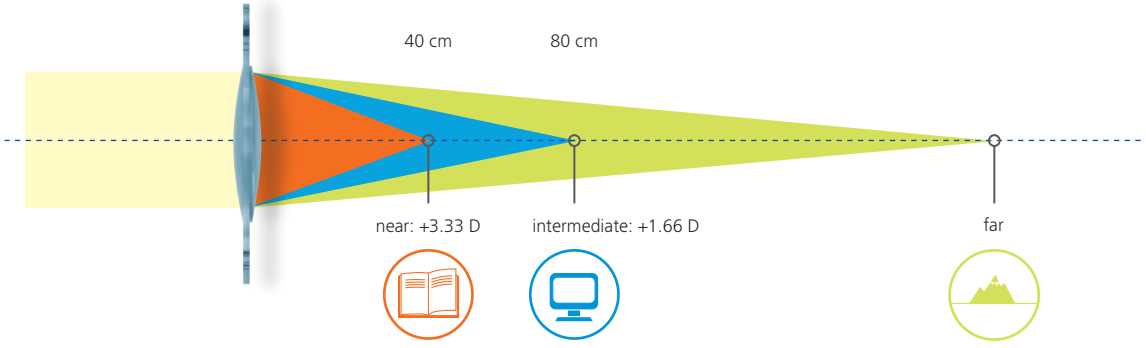
*** Data on file.*

Excellent optical efficiency

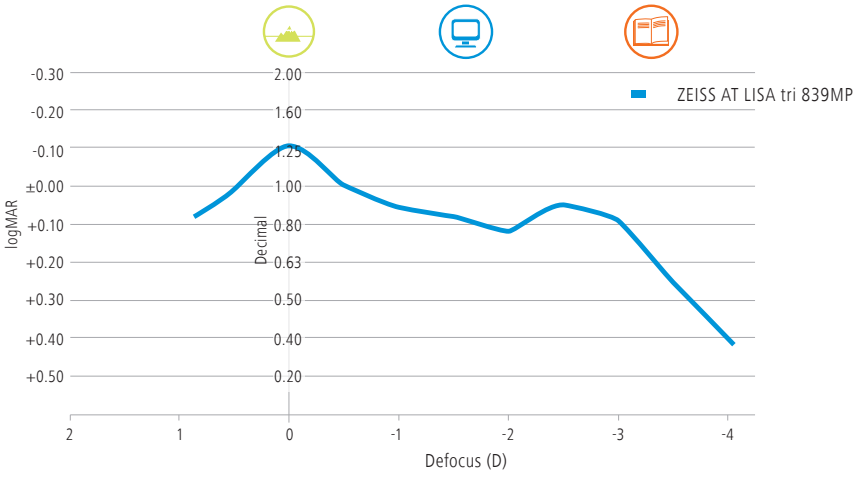
For outstanding visual performance…

The efficient optical design of the ZEISS AT LISA tri family provides patients with advanced visual performance at all distances and good contrast sensitivity – in all light conditions.

Thanks to two additonal focal points at 40 cm and 80 cm, patients enjoy a continuous range of vision from far to near, enabling them to carry out daily activities comfortably without spectacles.



The ZEISS AT LISA tri family thus enables a smooth transition between near, intermediate and far. Your patients will be able to switch back and forth between objects at different distances without the need to put on corrective glasses.



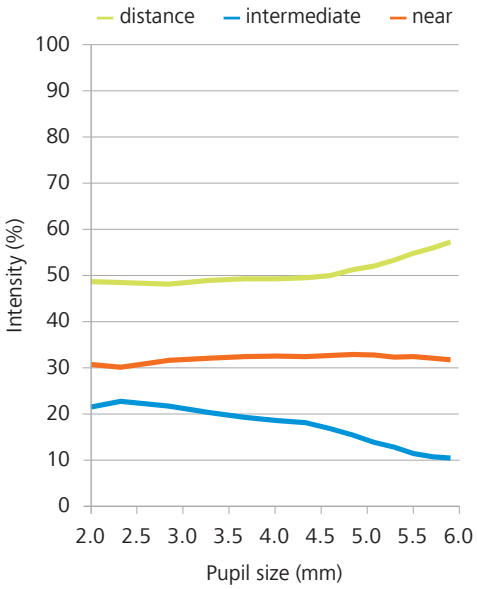
*Defocus: Visual acuity over a range from 25 cm to ∞**

…day

Designed for best light allocation across all three distances

Unique asymmetrical light distribution of 50 %, 20 % and 30 % between far, intermediate and near foci:

- Main light allocation for far, ensuring excellent distance visual acuity
- Higher light allocation for near than intermediate: ZEISS technical research has shown that a proportionally higher light distribution towards near enhances vision for near, without compromising intermediate distance



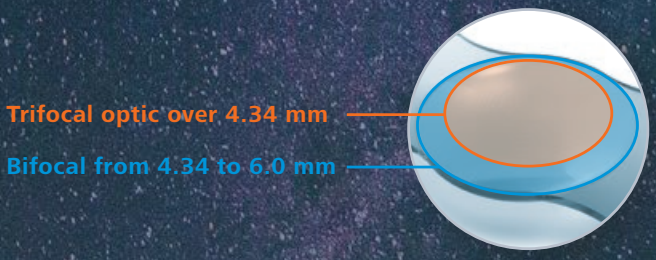
*AT LISA tri asymmetrical light distribution**

** Data on file.*

…and night

Pupil independence and improved night vision

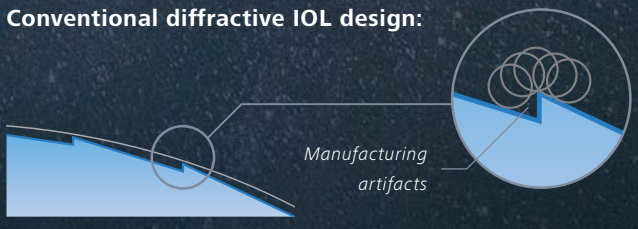
The non-apodized, pupil-independent design of AT LISA tri is based on the proven long-term results of the AT LISA family and ensures consistent optical performance regardless of the lighting conditions.



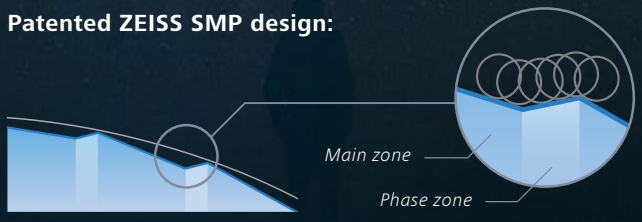
Excellent image quality

Utilizing the proven ZEISS Smooth Micro Phase technology, the AT LISA tri optic does not have any sharp angles, resulting in better optical image quality with reduced light scattering.

Conventional diffractive IOL design:



Patented ZEISS SMP design:



Maximum spectacle independence

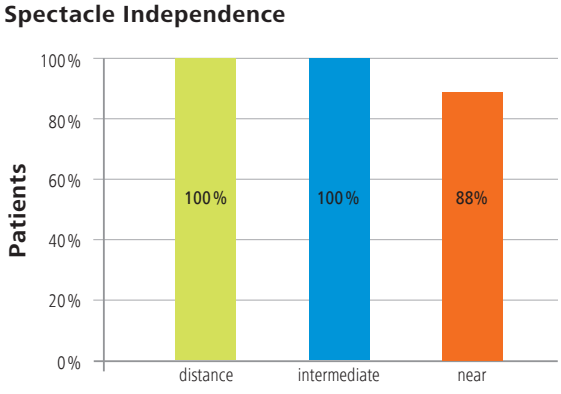
For an active lifestyle…

Freedom from vision restrictions and corrective glasses is the wish of most cataract, presbyopia or astigmatism patients. With the exceptional optical performance of the ZEISS AT LISA tri family, an active life without the need to use visual aids becomes a reality, satisfying the wishes of even the most demanding patients.

An extensive market research study with over 2,900 respondents confirmed that spectacle independence is extremely important to patients for most daily activities including shaving or putting on make-up, preparing and eating meals, playing sports and pursuing other outdoor hobbies. This means patients require freedom from glasses for near, intermediate and far distances.[1]

ZEISS AT LISA tri provides excellent levels of **spectacle independence at all distances**, as shown in clinical data: complete spectacle freedom is higher than 90%.[2]

Dr. Sri Ganesh et al. even found that 100% of patients in their study cohort could live without spectacles post surgery.[3]



Postoperative spectacle free-vision at different distances.[4]

Most patients are highly satisfied with the postoperative outcomes and the attained vision quality.

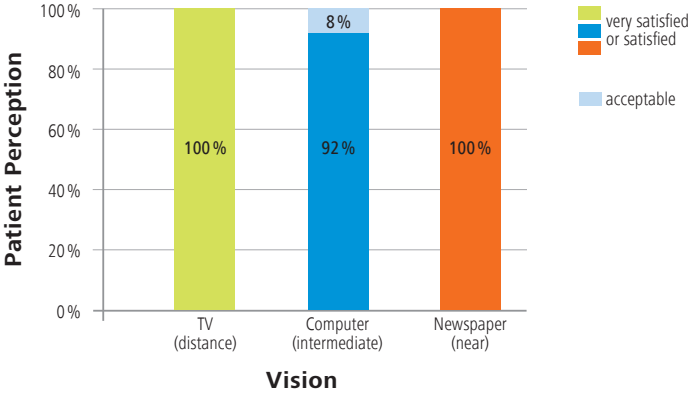
Most patients implanted with an AT LISA tri IOL enjoy a very good postoperative visual acuity at each distance.

With the ZEISS AT LISA tri family, patients experience enhanced contrast sensitivity resulting in better night vision. Moreover, they report less dysphotopsia and, due to quick neural adaptation*, they can enjoy the benefits of trifocal IOLs shortly after implantation. This leads to a very high patient satisfaction, as well as a high patient referral rate.

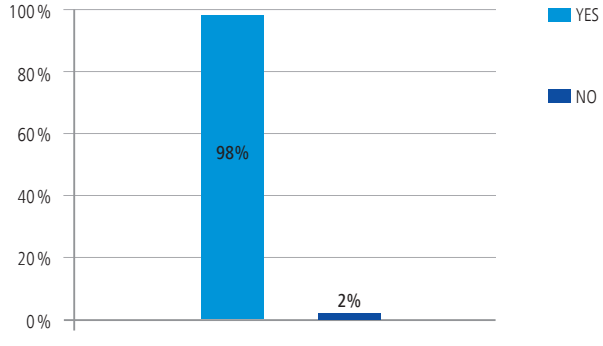
In a study by Bilbao-Calabuig with more than 2,000 AT LISA tri patients 98% of participants reported that they would have the same surgery again.[5]

The AT LISA tri family from ZEISS is the leading trifocal technology that allows you to offer your patients the best possible solution.

Postoperative visual quality at different distances (n = 26)*



Would you have the surgery again?



** Data on file.*

1. Internal Data. Structured online questionnaire. Imagine you had the choice of wearing or not wearing visual aids (glasses or lenses) in the following situations. In which would it be most acceptable for you to wear visual aids such as glasses or lenses? Please answer the question even if you normally do not wear visual aids (glasses or lenses). Feb/Mar 2016, Total n= 2918 (FR, DE, IT, ES, UK, CN; IN, SK: all participants 55-74 years) **2.** Mendicute et al. (2016). Evaluation of visual outcomes and patient satisfaction after implantation of a diffractive trifocal intraocular lens. JCRS, 42(2): 203-210. **3.** Ganesh et al. (2017). Long-term visual outcomes and patient satisfaction following bilateral implantation of trifocal intraocular lenses. Clinical Ophthalmology, II: 1453-1459 **4.** Source: Kohnen, Titke and Boehm, 2016. Trifocal Intraocular Lens Implantation to treat Visual Demands in Various Distances Following Lens Removal. Am Journal Ophthalmology. 2016; 161:71-77. **5.** Bilbao-Calabuig et al. (2017). Visual Outcomes Following Bilateral Implantation of Two Diffractive Trifocal Intraocular Lenses in 10,084 Eyes. American Journal of Ophthalmology, 179: 55-66

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AT LISA tri 839MP
AT LISA tri toric 939M / 939MP

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en-OUS_32_010_0151I Printed in Germany. CZ-VI/2022 International edition: Only for sale in selected countries.