



LENTIS[®] Comfort

The easy solution for demanding cataract patients

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The tried and tested lens design of the LENTIS® Comfort is adjusted optimally to the far and intermediate range and thus has been particularly successful in meeting the demanding needs that most patients have with the refractive results of cataract surgery. Bridging the gap between standard monofocal and premium refractive IOLs, the LENTIS® Comfort offers both good intermediate vision as well as distance vision.

This is especially of importance to cataract patients who want greater spectacle independence in everyday situations, such as using the computer, handling their smartphone, shopping, golfing or driving. Generally, all people who carry out manual activities further away than reading distance will benefit from this new lens. **In short: The convenient lens solution for everyday situations!**

The LENTIS® Comfort offers many advantages compared with standard MIOL:

- Excellent visual acuity results for the intermediate and distance ranges
- Improved contrast and depth of focus for optimal vision in dimmed light
- Natural image and colour perception
- Aberration neutral

Patient surveys confirm:

- Computer or varifocal lenses no longer necessary!
- High patient satisfaction

What do the professionals say about the LENTIS® Comfort ?

"I have been using the LENTIS® Comfort and I am enormously impressed with the outcomes and the levels of spectacle independence that this gives to my patients. I have had these lenses implanted in both my eyes and am delighted with the outcome. I can wholeheartedly recommend this intraocular lens for suitable patients."

Brendan Moriarty, Consultant Ophthalmic Surgeon, Optegra Prospect Eyeclinic, Altrincham/Cheshire, UK, 2013, data on file.

"3 years ago I would have only considered a monofocal lens for my own eyes, but if I was considering surgery right now this is the lens I would have myself."

Julian Stevens, Consultant Ophthalmic Surgeon, Moorfield Eye Hospital, UK, 2013.

"It [LENTIS® Comfort] can improve depth of field compared with a monofocal IOL and performs well in standard cataract cases for patients or surgeons reluctant to use a multifocal IOL. The LENTIS® Comfort can be used with a mix-and-match approach."

Dominique Pietrini, Consultant Ophthalmic Surgeon, Clinique de la Vision, Paris, France, 2013.



Clinical Results [Dr. Dominique Pietrini, Clinique de la Vision, Paris, France]

The clinical trial is based on the experience of the first 50 eyes of 25 patients who received an LENTIS® Comfort lens in both eyes, and who were monitored for more than six months. All the eyes operated had cataracts, but the patients were not suffering from pathologies that could put strain on the final visual result (i.e. glaucoma, maculopathy, astigmatism of above 1.00D). The average age of the patients was 70.3 ± 10.1 years. The refractive target was between -0.25 and 0.50D for an implant constant according to the manufacturer's recommendations (IOL Master, SRK-T formula). Patients received no specific information apart from being told that they might need occasional optical correction for near vision. All the patients were operated on and received the implant using a micro-incision of less than 2mm (Viscojet injector, 1.8 mm).

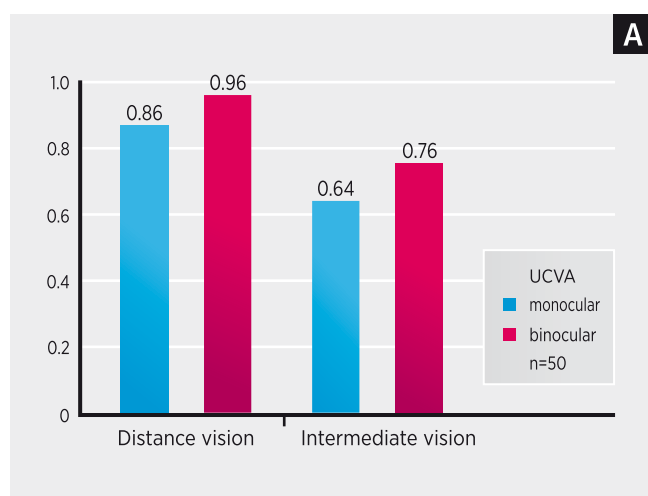


Figure A: Visual acuity without correction for distance, near and intermediate vision, monocularly and binocularly: The post-operative spherical equivalent was -0.39D, visual acuity without correction for distance vision was 8.59/10e for monocular vision, 9.6/10e for binocular vision, intermediate visual acuity was 6.4 for monocular vision and 7.6 for binocular vision.

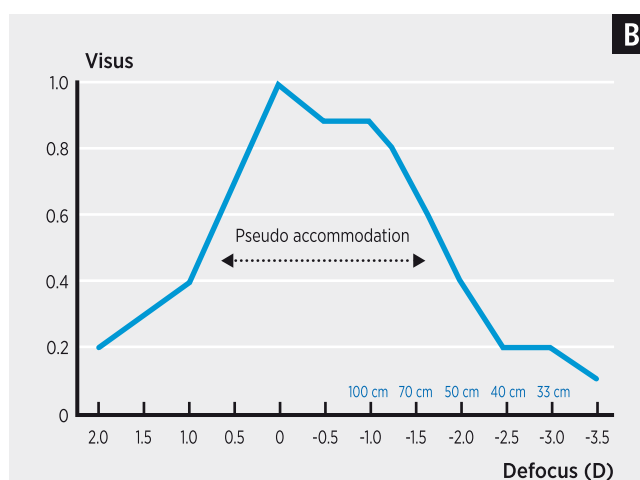


Figure B: The monocular defocus curve after implanting the LENTIS® Comfort confirms the excellent performance of the implant for distance vision (defocus of 0.00D) and for intermediate vision (defocus of -1.50D).

Clinical conclusion: This new intraocular lens placed midway between a monofocal and a multifocal lens provides a real improvement in the visual results for cataract surgery thanks to the increased depth of field and the higher level of spectacle independence. A simple addition of +1.50D is required for near vision. No information is required beforehand, and it offers an excellent alternative to standard monofocal implants. Combined with a certain amount of monovision, it can provide almost total spectacle independence. It is also particularly indicated for patients suffering from myopisation with a preoperative index, who can keep good intermediate vision. It also presents an alternative for patients with a contraindication for multifocal lenses. The LENTIS® Comfort is an excellent alternative to multifocal implants, especially for patients who are worried of the risk of visual side-effects regarding multifocal IOL, in particular for mesopic vision. The almost total lack of halo and/or glare effects often experienced with asymmetric multifocal lenses brings the benefits of a premium implant, but without the side effects.

Clinical Results

Prof. Dr. Jorge Alió, University Ophthalmology Clinic, Miguel Hernandez, Alicante, Spain

In a comparative study by the Visum Ophthalmology Institute (Alicante, Spain) under the management of Professor Alió, the visual results and the optical quality of the LENTIS® Comfort and of a so-called accommodating lens were observed, and evaluated post-operatively in just under 40 patients and 66 implanted eyes. The LENTIS® Comfort produced, for all distances, in particular in the wide intermediate range, considerably better visual acuity results than the accommodating IOL.

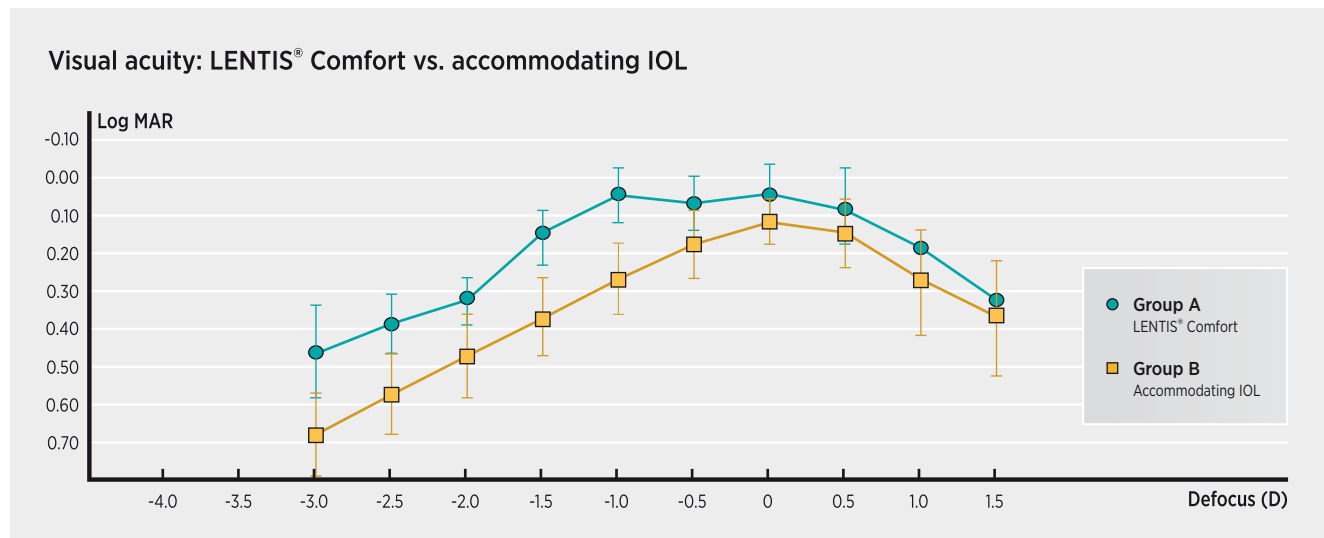


Figure: Comparison of mean defocus curves of LENTIS® Comfort (group A) and accommodating IOL (group B). The figure shows markedly better visual acuity results for the LENTIS® Comfort in all visual ranges.

High Patient Satisfaction

In a representative survey, conducted by Dr. Julian Stevens (Moorfields Eye Hospital, London, UK) 92% of 192 surveyed patients, who were treated with a LENTIS® Comfort IOL confirmed that they would opt for this lens again at any time due to the good visual results.

Bibliography:

Jorge L. Alió, MD, PhD; Gerd U. Auffarth, MD, PhD, FEBO; Roberto Bellucci, MD; Oliver Klapproth, Dipl-Ing(FH); Thomas Kohnen, MD, PhD, FEBO; Peter Mojzis, MD, PhD, FEBO; Thomas F. Neuhann, MD; Tobias H. Neuhann, MD; Milind Pande, MBBS, DO, FRCS, FRCOphth; Dominique Pietrini, MD; Magda Rau, MD; Pavel Stodulka, MD, PhD; Marie-José Tassignon, MD, PhD, FEBO; and Jérôme C. Vryghem, MD, State of the Premium IOL Market in Europe, *Cataract & Refractive Surgery Today EUROPE* January 2013.

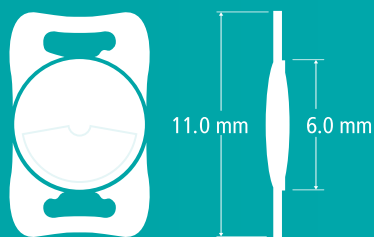
Jorge L. Alió, MD, PhD; Ana B. Plaza-Puche, MSc, Raul Montalban, MSc, Jaime Javaloy, MD, PhD, Visual outcomes with a single-optic accommodating intraocular lens and a low-addition-power rotational asymmetric multifocal intraocular lens, *J CATARACT REFRACT SURG - VOL 38, JUNE 2012*.

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Julian Stevens, MRCP,FCRS,FRCOphth, Moorfield Eye Hospital, London, UK, Oculentis Mplus "Comfort" low power add multifocal lens implant, clinical presentation 2013, data on file.

Brendan Moriarty, Consultant Ophthalmic Surgeon, Optegra Prospect Eyeclinic, Altrincham/Cheshire, UK, 2013, data on file.



LENTIS® Comfort

The technologically advanced lens design of the unique LENTIS® Comfort IOL provides an enhanced visual experience for demanding cataract patients who want to be more spectacle independent while performing their daily routine activities such as working at the computer, shopping or driving a car.

Product	LENTIS [®] Comfort LS-313 MF15						aspheric
Type	Foldable one-piece acrylic IOL						
Optic Size Overall Length	6.0 mm 11.0 mm						
Haptic Angulation	0°						
Optic Design	Biconvex Aspherical surface - posterior Sectorshaped nearvision segment - anterior						
Design	Optic and haptics with square edges Posterior 360° continuous barrier effect						
Material	HydroSmart [®] - a copolymer, consisting of acrylates with hydrophobic surface, UV absorbing						
Available Diopters	30.0 bis +36.0D (0.5D)						
Refractive Index	1.46						
Estimated A-Factors	nominal A = 118.0 ACD = 4.97	Haigis a0 = 0.95 a1 = 0.40 a2 = 0.10	HofferQ pACD = 5.21	Holl.1 sf = 1.47	SRK/T A = 11.5	SRK II A = 118.6	
Anterior Chamber Depth	4.97 mm						
Recommended Incision Size	2.2 mm / 2.6 mm						
Recommended Injector [reusable]	Injector: Viscoject-1-hand: LI604205 Viscoject-2-hand: LI604215		Cartridges: Viscoject BIO 1.8 Cartridge-Set: LP604250C* Viscoject BIO 2.2 Cartridge-Set: LP604240C				
Recommended Injector-Sets [disposable]	Viscoject BIO 1.8 Injector-Set: LP604350C*			Viscoject BIO 2.2 Injector-Set: LP604340C			

* max. 25.0D

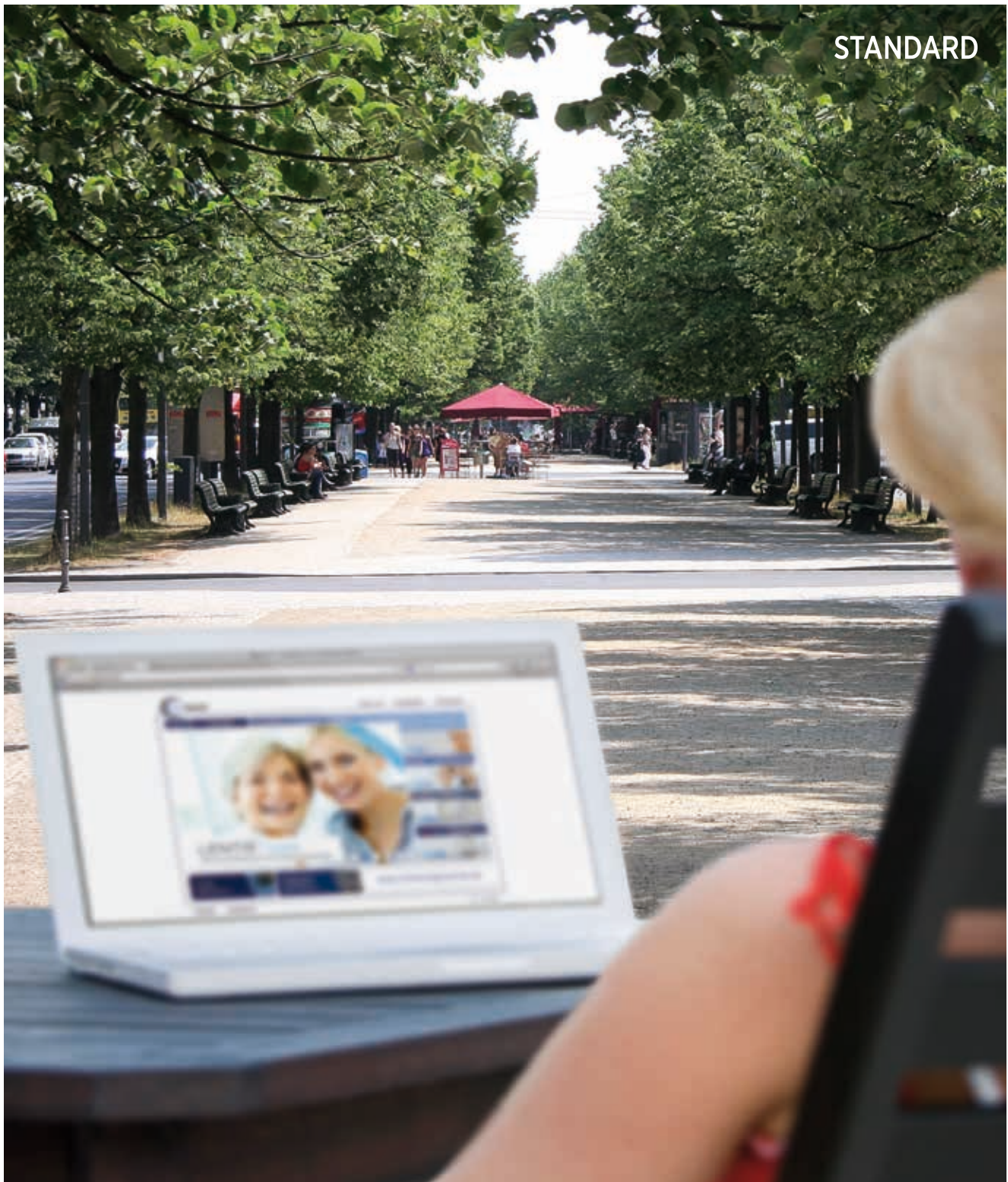
Source: ULIB (User Group for Laser Interference Biometry) www.augenklinik.uni-wuerzburg.de/eulib

References: www.augenklinik.uni-wuerzburg.de/eulib/const.htm

The given constants are to be seen as a guide value and basis for the calculation of the IOL refractive power. Detailed information on the calculation of own constants can be found at www.augenklinik.uni-wuerzburg.de/eulib/relat.htm.

Sharp distance vision

Reading glasses and / or varifocal lens glasses necessary

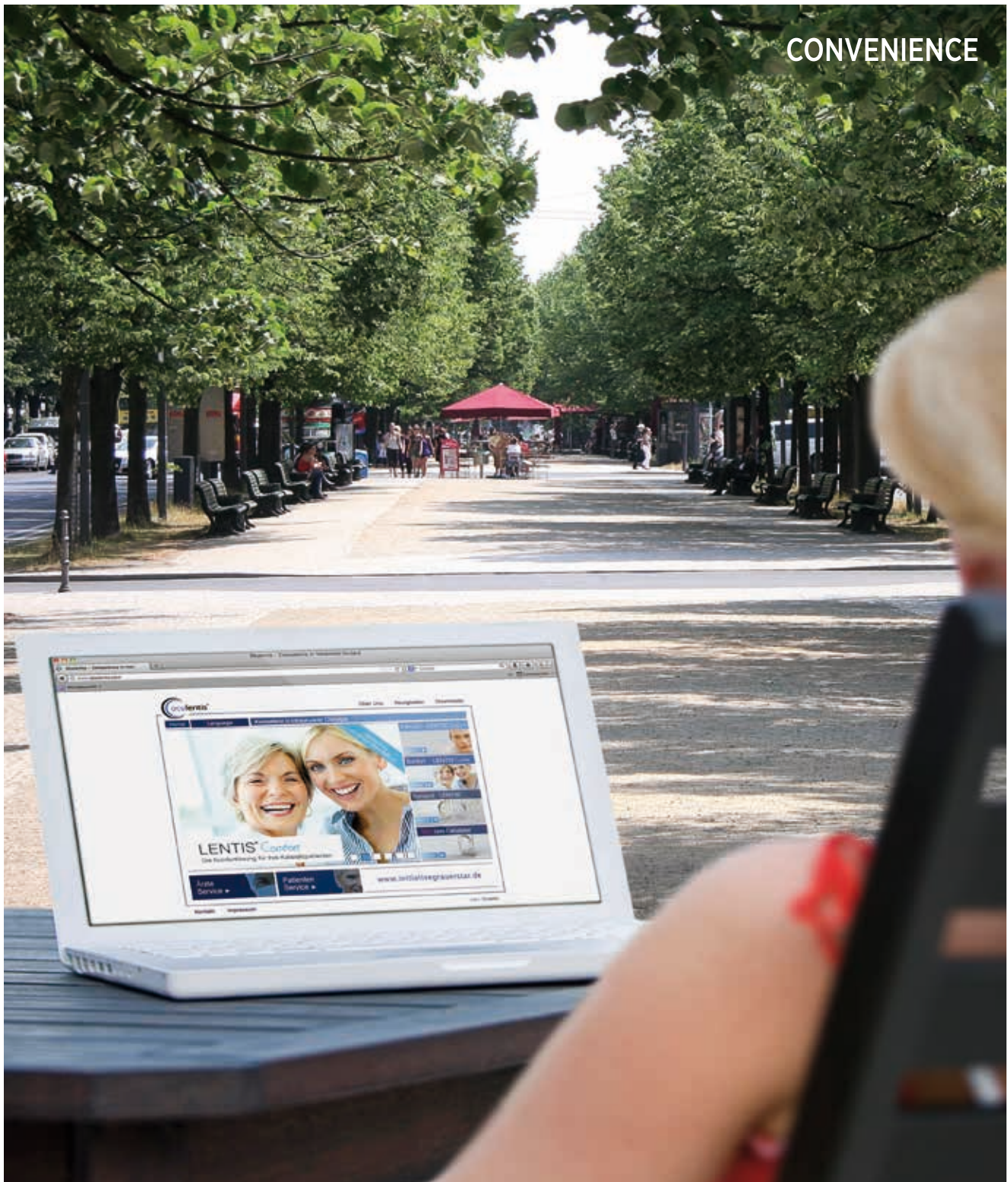


A standard lens treats cataracts perfectly, but does not fulfil the wish for greater spectacle independence for intermediate ranges. Consequently, the patient, despite having undergone cataract surgery, has to rely on special and costly glasses, like varifocals.

Sharp distance and good intermediate vision

In some cases reading glasses may be necessary

CONVENIENCE



The LENTIS® Comfort offers both sharp distance and good intermediate vision and thus providing greater spectacle independence. Clinical results attest an optimal visual performance with this IOL.

IMPORTANT

Subject to change in design and/or specifications without advanced notice.
In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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