

PhysIOL

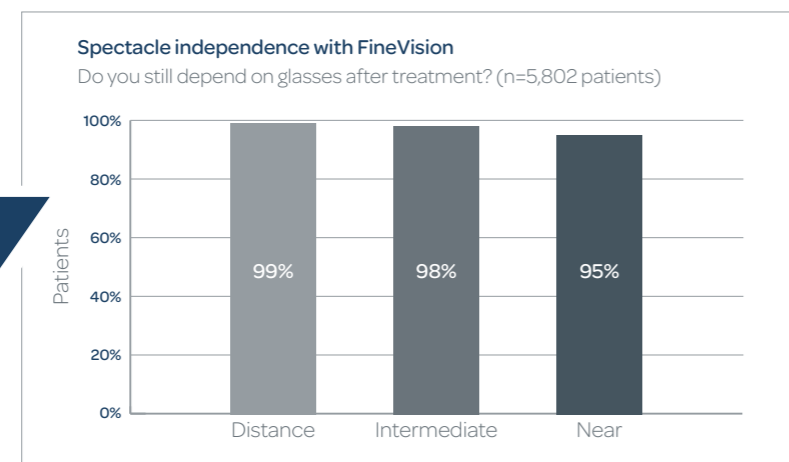
ADVANCED OPTICAL SOLUTIONS

FINEVISION HP
Hydrophobic & Physiological trifocal IOL
by PhysIOL

Perfect
match
for
a sharp
VISION

FINE technology: the Gold Standard with 10 years follow-up

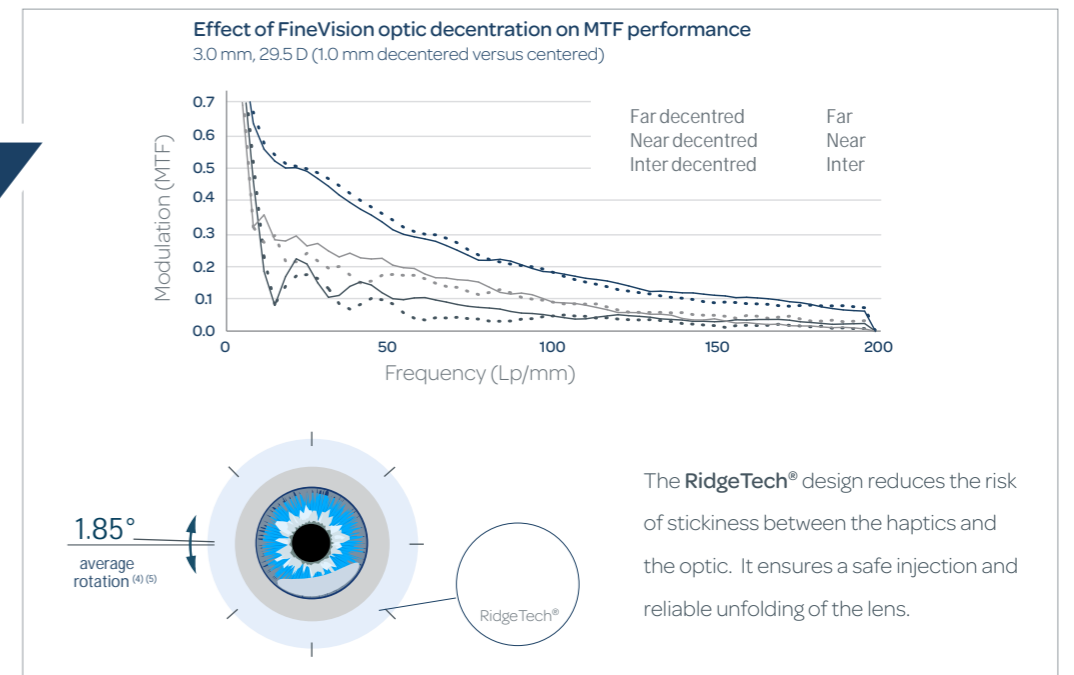
OF7TPOTUIFSTUUrifocal apodized and convoluted IOL implanted since 2010 and considered as the **Gold Standard** in cataract and refractive surgery. This proven technology achieves the promise of a **spectacle free life**, offering **continuous vision** to accomplish any task at all distances.



What do studies say?
The optical performance of the FINE technology is maintained upon IOL decentration of 1 mm. This effect on the optical performance is however less pronounced. (3)

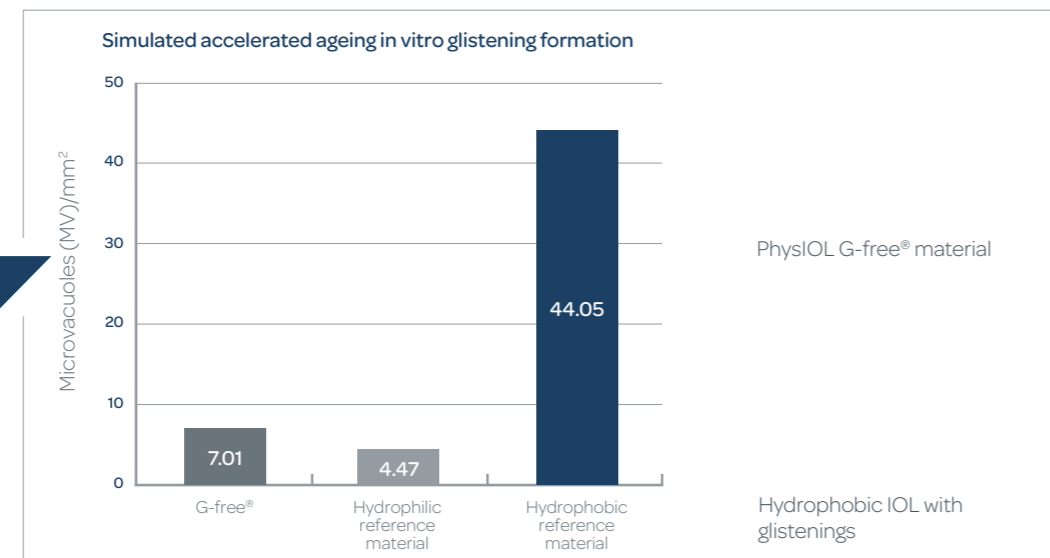
Double C-loop technology: optimal stability

Besides its postoperative rotational stability, the double C-loop platform offers easy maneuverability, both clockwise and counterclockwise, for accurate axis placement of the IOL.



G-free® technology: guarantee for purity and safety

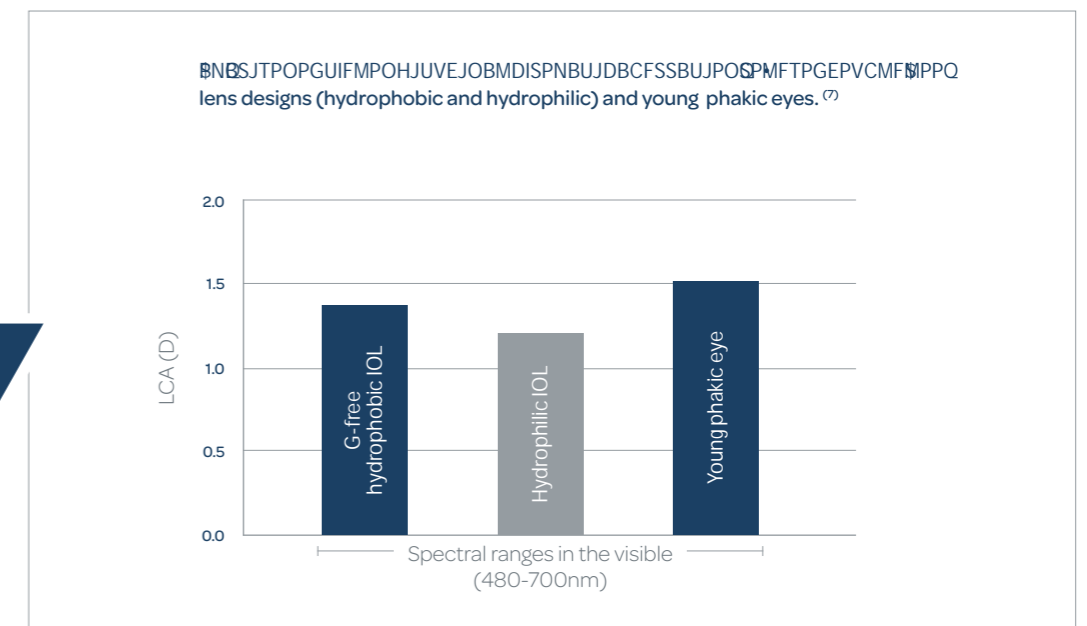
What is the best solution for you and your patients? Some IOLs on the market develop glistenings after implantation which can impact on the quality of vision. The G-free® technology patented by PhysIOL is **100% glistening-free**.



What do studies say?
chromatic aberrations play a major role in the quality of vision, and LCA interacts with the eye's natural aberrations to improve the overall quality of vision. I think it's important to keep the LCA balance that's present with the crystalline lens, and I think that's what PhysIOL achieves with this hydrophobic G-free material. (6)

Physiological chromatic aberration

The PhysIOL G-free® material **mimics** the physiological longitudinal chromatic aberration of a young phakic eye.



What do studies say?
95% of patients reach complete spectacle independence at all distances.
97% of patients treated with FineVision would choose the same IOL again! (1)

What do studies say?
David J. Apple Laboratory demonstrated that FineVision with the G-free® material is glistening-free.
No significant difference in microvacuoles formation was observed with the G-free® material compared to the hydrophilic reference material. (2)

FineVision^{HP} technical specifications



FINEVISION^{HP}
TRIFOCAL OPTIC



Commercial name	Pod F GF		
Material	PhysiOL G-free® (hydrophobic acrylic glistening-free)*		
Overall diameter	11.40 mm		
Optic diameter	6.00 mm		
Optic	Biconvex aspheric (-0.11µ SA) trifocal diffractive FineVision		
Haptic design	Double C-loop & RidgeTech®		
Filtration	UV and blue light		
Refractive index	1.52		
Abbe number	42		
Angulation	5°		
Additional power	+ 1.75D for intermediate vision and + 3.50D for near vision		
Injection system	Medicel Accuject 2.0 from 10D to 24.5D Medicel Accuject 2.1 / 2.2 from 25D to 35D		
Incision size	≥ 2.0 mm		
Spherical power	10D to 35D (0.5D steps)		
Square edge	360°		
Nominal manufacturer A constant	119.40		
Suggested A constant**		Interferometry	Ultrasound
	Hoffer Q: pACD	5.85	5.59
	Holladay 1: Sf	2.06	1.80
	Barrett: LF	2.09	-
	SRK/T: A	119.40	119.05
	Haigis***: a0; a1; a2	1.70; 0.4; 0.1	1.214; 0.4; 0.1

* The PhysiOL G-free® is patented since 2010. ** Estimates only; surgeons are recommended to use their own values based upon their personal experience. Refer to our website for updates. *** Not optimized.

References:

(1) R. Bilbao-Calabuig, MD et al.: Visual outcomes following bilateral implantation of two diffractive trifocal intraocular lenses in 10,084 eyes, American Journal of Ophthalmology, July 2017. (2) Biomaterial Optical Purity Report & Appendix 1, G.U. Auffarth, University Hospital Heidelberg, May 2017. (3) Data on file with PhysiOL. (4) F. Poyales, MD, et al.: Stability of a novel intraocular lens design: comparison of two trifocal lenses, J Refract Surg. 2016;32(6):394-402. (5) O. Findl, MD: Capsular bag stability and posterior capsule opacification, Eurotimes, February 2017. (6) S. Marcos, Phd, The Ophthalmologist, April 2017. (7) M. Vinas, MSc et al.: In vivo subjective and objective longitudinal chromatic aberration after bilateral implantation of the same design of hydrophobic and hydrophilic intraocular lenses, J Cataract Refract Surg 2015; 41:2115-2124.

Other FINE solutions

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Note: The PhysiOL intraocular lenses are not FDA approved.



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