

Vivinex™ Gemetric™

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PRELOADED TRIFOCAL IOLS

Vivinex™ Gemetric™
Vivinex™ Gemetric™ Plus

Vivinex™ Gemetric™ Toric
Vivinex™ Gemetric™ Plus Toric

Models
XY1-GT | XY1-GPT

Models
XY1-G | XY1-GP

multiSert™ preloaded injector

VIVINEX™ GEMETRIC™ TRIFOCAL FAMILY: CLINICAL PERFORMANCE SUMMARY

The Vivinex™ Gemetric™ Trifocal IOL, based on HOYA Surgical Optics' patented technology, is available in two designs, the Vivinex™ Gemetric™ and Vivinex™ Gemetric™ Plus, that have complementary light distributions. The Vivinex™ Gemetric™ is designed to provide excellent distance vision and well-balanced intermediate and near vision, and the Vivinex™ Gemetric™ Plus is designed to provide excellent near vision while maintaining good distance and intermediate vision. Both Vivinex™ Gemetric™ and Vivinex™ Gemetric™ Plus have a near add of 3.50 D and an intermediate add of 1.75 D, and both are available in toric versions.

Results are based on final 4- to 6-month data from a randomized trial comparing the three bilateral combinations of Gemetric™ Trifocal IOLs (T0 to T5). Patients were grouped into three categories: those who received bilateral Vivinex™ Gemetric™ IOLs, those who received bilateral Vivinex™ Gemetric™ Plus IOLs, and those who received the Vivinex™ Gemetric™ in one eye and the Vivinex™ Gemetric™ Plus in the other eye (ie, paired group).

Across all groups, the mean visual acuity was better than 0.15 log-MAR from distance to 30 cm near (defocus -3.50 D).

While the bilateral Vivinex™ Gemetric™ group showed about 0.3 lines better distance acuity than the bilateral Gemetric™ Plus group (-0.08 vs -0.05 logMAR, respectively), the bilateral Gemetric™ Plus group showed 0.5 lines better near acuity at -2.50 D compared to the bilateral Gemetric™ group (0.01 vs 0.06 logMAR, respectively).

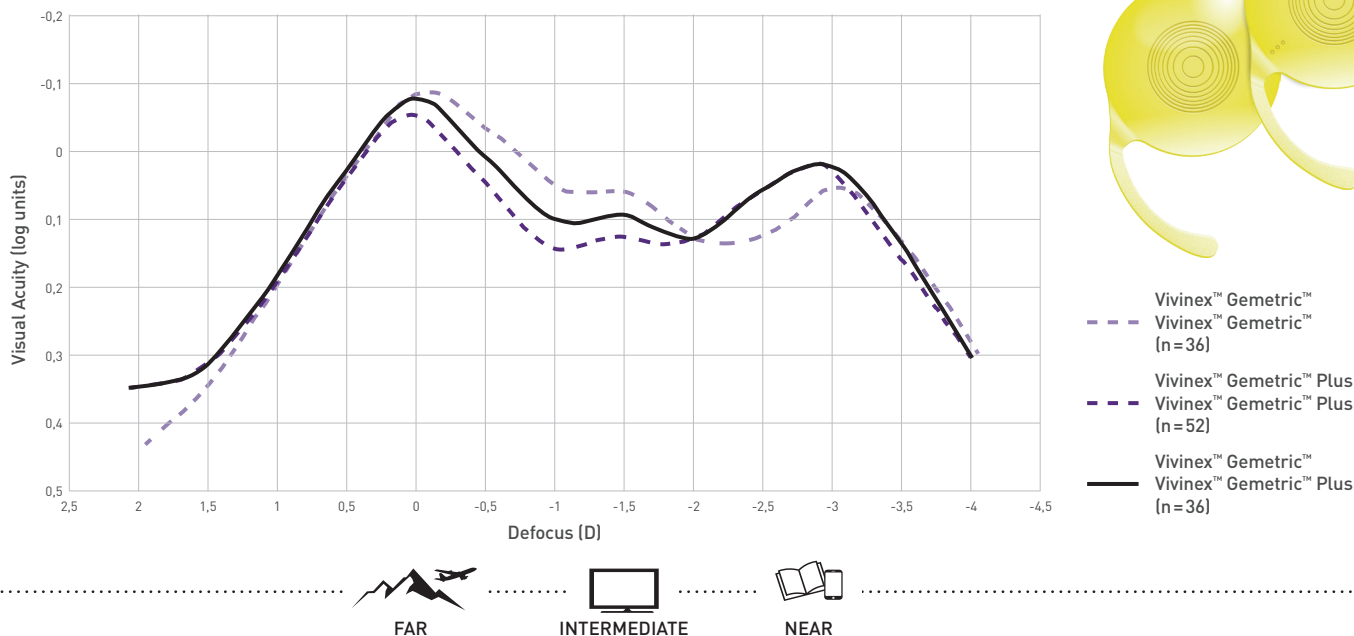
The near acuity in the paired Vivinex™ Gemetric™/Gemetric™ Plus group exactly mirrored the full benefit of the bilateral Gemetric™ Plus group, but these patients also achieved a boost in distance and intermediate acuity. This suggests pairing the two models may maximize benefits for patients.¹

Vivinex™ Gemetric™

Vivinex™ Gemetric™ and Vivinex™ Gemetric™ Toric
Designed to provide excellent distance vision, and
well balanced intermediate and near vision²

Vivinex™ Gemetric™ Plus and Vivinex™ Gemetric™ Plus Toric
Designed to provide excellent near vision, while maintaining
good distance and intermediate vision²

Mean Binocular Defocus Curve by Study Group¹ (4 to 6 months postoperative)



USER EXPERIENCES

from an expert panel meeting in Milan
during the 2022 ESCRS¹

The balance between the Vivinex™ Gemetric™ and the Vivinex™ Gemetric™ Plus gives a very smooth transition from far to intermediate to near vision.

Erik L. Mertens, MD, FEBO, FWCRS, PCEO, Medical Director, Medipolis-Antwerp Private Clinic, Antwerp, Belgium

I've found that, at 60 cm, the Vivinex™ Gemetric™ is slightly better than the Vivinex™ Gemetric™ Plus. On the other hand, the Vivinex™ Gemetric™ Plus gives an extra range up to 35 cm. Binocularly, I find a nice summation between 35 and 60 cm.

Erik L. Mertens, MD, FEBO, FWCRS, PCEO, Medical Director, Medipolis-Antwerp Private Clinic, Antwerp, Belgium

I think where HOYA Surgical Optics has got it right and is a notch above other companies with full range of vision IOLs is that its full range of vision lens is available in two designs, the Vivinex™ Gemetric™ and Vivinex™ Gemetric™ Plus, which have different light distributions weighted to either distance or near vision.

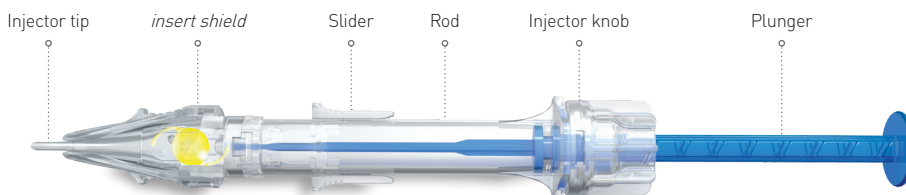
Dylan A. Joseph, MBChB, Dip(Ophth), FC Ophth, MMed, Vision for Life Clinic, South Africa



<https://qrco.de/bdwT4>

Vivinex™ Gemetric™

Delivered by multiSert™



¹ Navigating a Complex IOL Technology Landscape. [o. D.]. CRSTG | Europe Edition Issue March/April 2023. <https://crstodayeurope.com/articles/navigating-a-complex-iol-technology-landscape/navigating-a-complex-iol-technology-landscape/?toc=true#> [access: 5th May 2023]. ² HOYA data on file. HOYA Medical Singapore, 2020.

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