

**Visual outcomes and quality-of-vision
with a new hydrophobic asymmetric refractive
extended-depth-of-focus (EDOF) IOL**



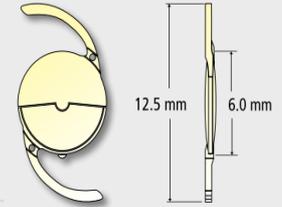
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Harvey Uy received research funding from Teleon BV

Extended depth of focus



One-piece posterior chamber lens for extended depth of focus and high contrast sensitivity with aspherical surface and blue light filter



Product	ACUNEX [®] VARIO ANGV	aspheric
Type	Foldable one-piece EDOF-IOL for capsular bag fixation	EDOF
Optic Size	6.0 mm	blue light filter
Overall Length	12.5 mm	Glistening-free
Haptic Angulation	0°	
Optic Design	Biconvex Sector_shaped nearvision segment - anterior: +1.5D Aspherical surface - posterior Spherical aberration free	
IOL Design	C-Loop haptic Optic and haptics with square edges, posterior 360° continuous barrier effect	
Material	Hydrophobic glistening-free acrylate UV absorbing and additional blue light filter	
Available Diopters	SE +10.0D to +30.0D (0.5D)	
Refractive Index	1.54 @ 35°	
Estimated A-Factor (nominal)	119.1	
Sterilization	Gamma sterilization	
Storage	Supplied at 0.9 % saline solution, storage at room temperature not > 43°C {110°F}	
Recommended Incision Size	≥ 2.0 mm	



Study design

Patient Characteristics	Mean \pm SD
Age (years)	69.85 \pm 7.69
Gender (Female:Male)	75: 25
Preop UDVA (logMAR)	0.46 \pm 0.49
Preop CDVA (logMAR)	0.28 \pm 0.54
Sph Equiv (D)	+0.43 \pm 1.83
Sphere	+0.76 \pm 1.81
Cylinder	-0.65 \pm 0.83

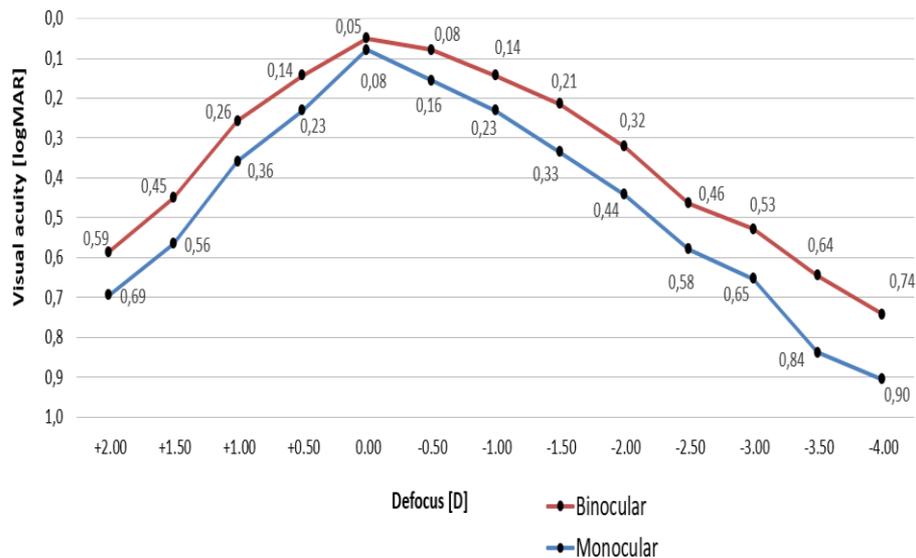
SURGICAL PARAMETERS

- IOL power (D): 21.54 \pm 1.19
- Rhexis (mm): 5.07 \pm 0.18
- Incision (mm): 2.20 \pm 0.00
- Surgery time: 11.79 \pm 3.34 (min)

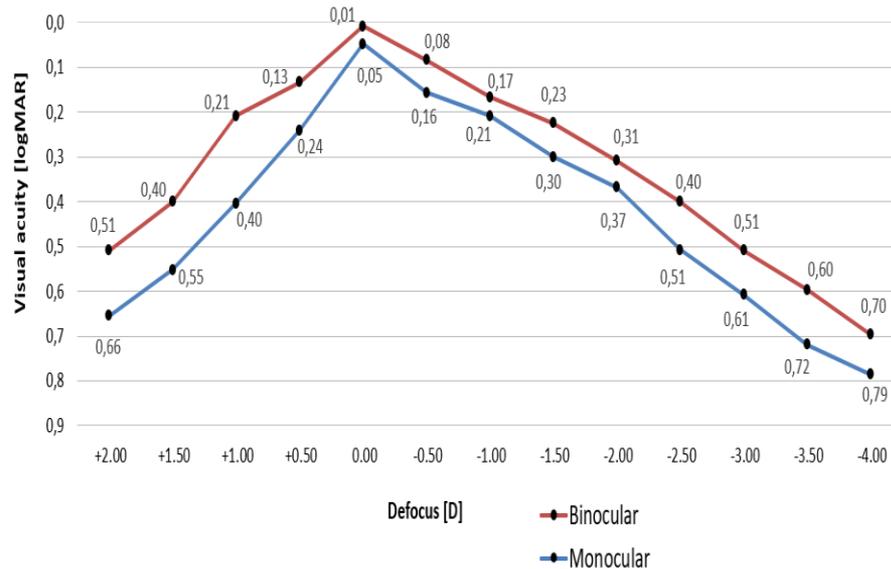


RESULTS

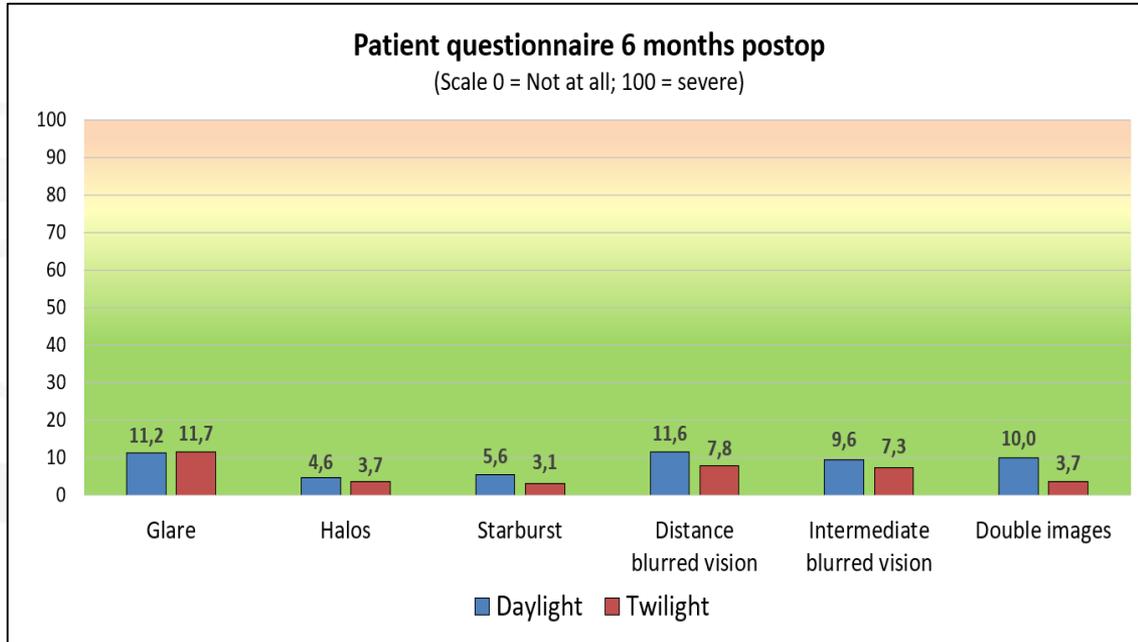
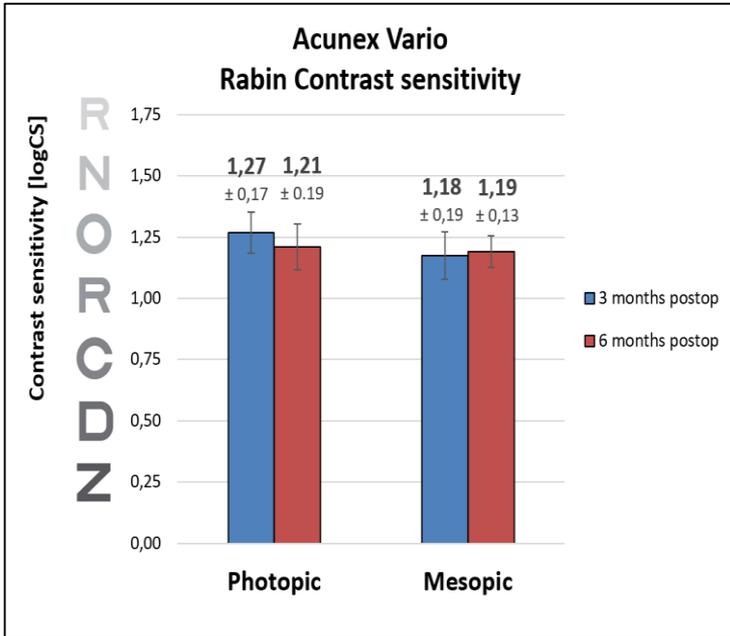
Acunex Vario
Defocus curve 3 Months postop



Acunex Vario
Defocus curve 6 Months postop



Patient Reported Outcomes



Acunex Vario Study Conclusions

- Easy implantation handling
- Perfect centration behaviour
- Good refractive predictability
- Excellent visual performance for distance and intermediate
- Surprisingly good near visual results for a EDOF-IOL with 1.5 D addition
- No patient complaints regarding dysphotopsia

