



CE
2460

Optiflex
XTENSE
comfort PLUS
FULL VISUAL RANGE EDOF IOL



NOT JUST
EXTENDED

XPANDED
BEYOND ∞



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biotech
VISIONCARE

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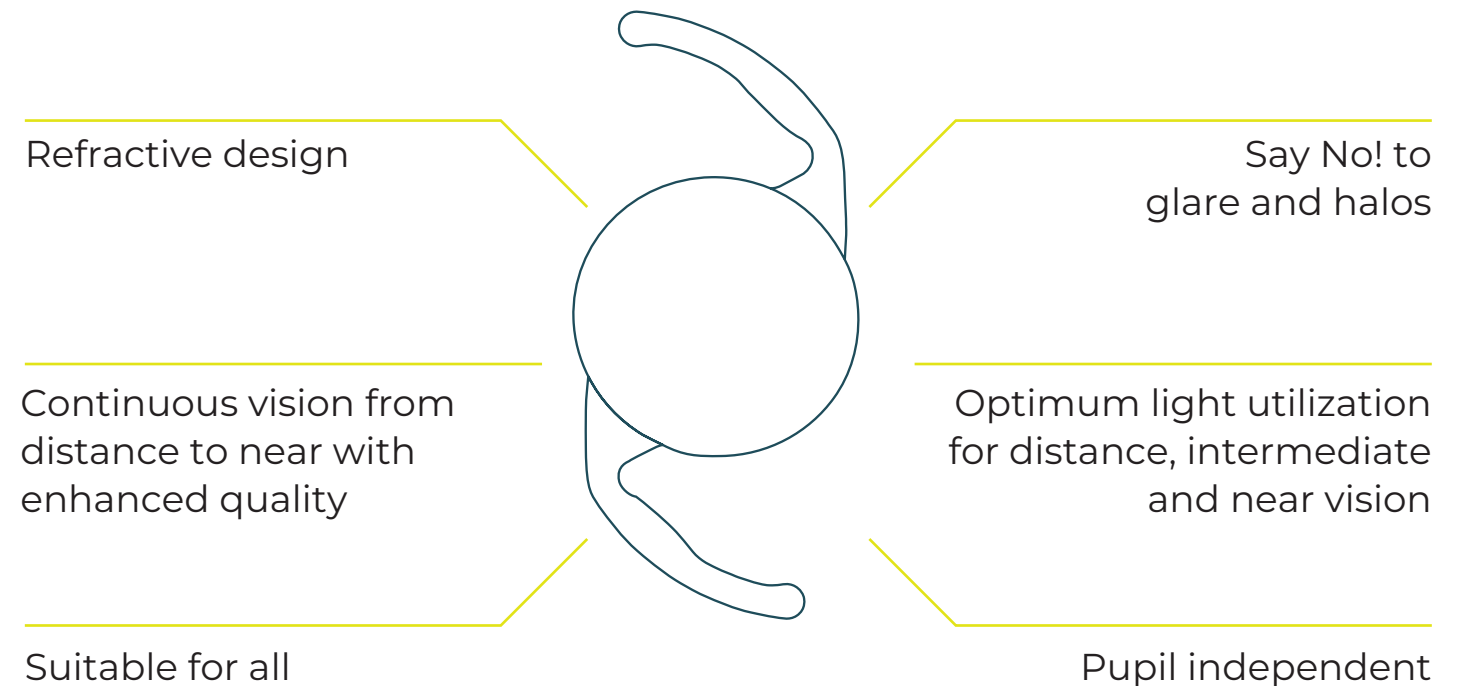
UNIQUE ZONAL
ASYMMETRIC POWER
DISTRIBUTION ON
ASPHERIC DESIGN



Optiflex Xtense Comfort Plus is a refractive EDOF intraocular lens for presbyopia correction.

It's unique proprietary refractive EDOF design provides distance to near continuous vision with vision as good as a multifocal lens and photic phenomenon as low as monofocal lens.

OPTIFLEX XTENSE COMFORT PLUS IS A
PURELY REFRACTIVE EDOF INTRAOCULAR LENS
FOR **PRESBYOPIA CORRECTION**



IT'S UNIQUE PROPRIETARY
REFRACTIVE EDOF DESIGN PROVIDES
DISTANCE TO NEAR CONTINUOUS VISION



OPTIFLEX XTENSE COMFORT PLUS PRODUCT FEATURES



Proprietary refractive
EDOF technology



Photic phenomenon
similar to monofocal IOL



Spectacle
independence



Continuous enhanced visual
outcome at all distances



Continuous optimized
utilization of light for
enhanced contrast in
distance, intermediate
and near vision



Pupil independent, no
compromise in visual quality
in any lighting condition

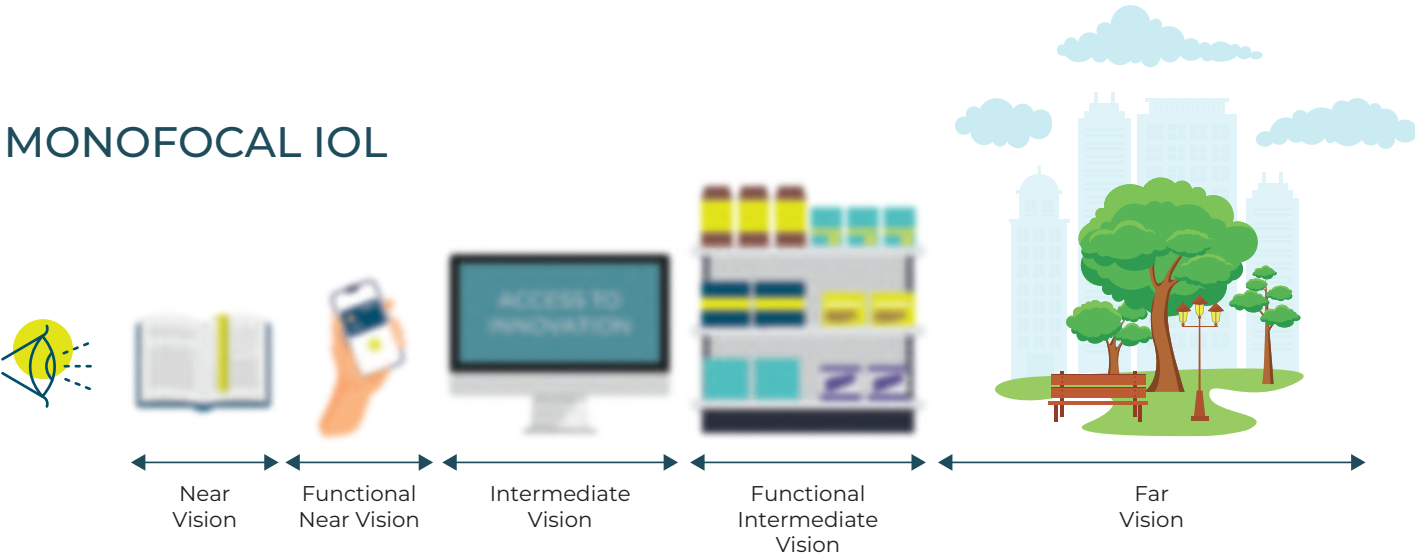


Suitable for all
type of patients

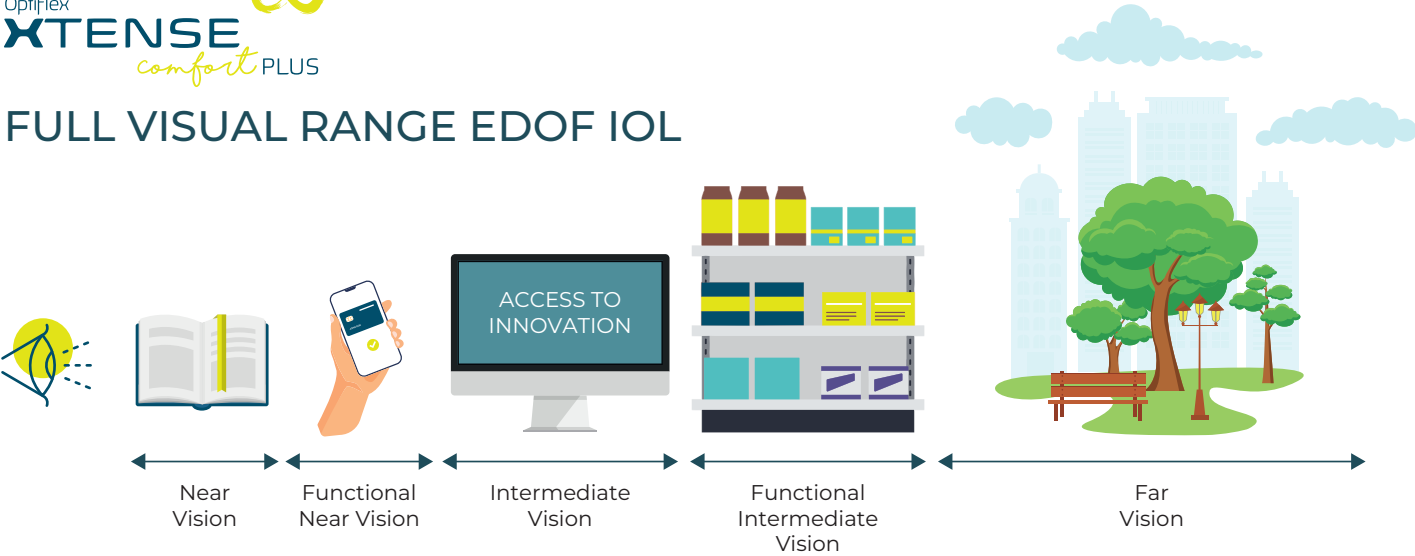


UNIQUE ZONAL ASYMMETRIC POWER DISTRIBUTION ON ASPHERIC DESIGN

MONOFOCAL IOL



FULL VISUAL RANGE EDOF IOL

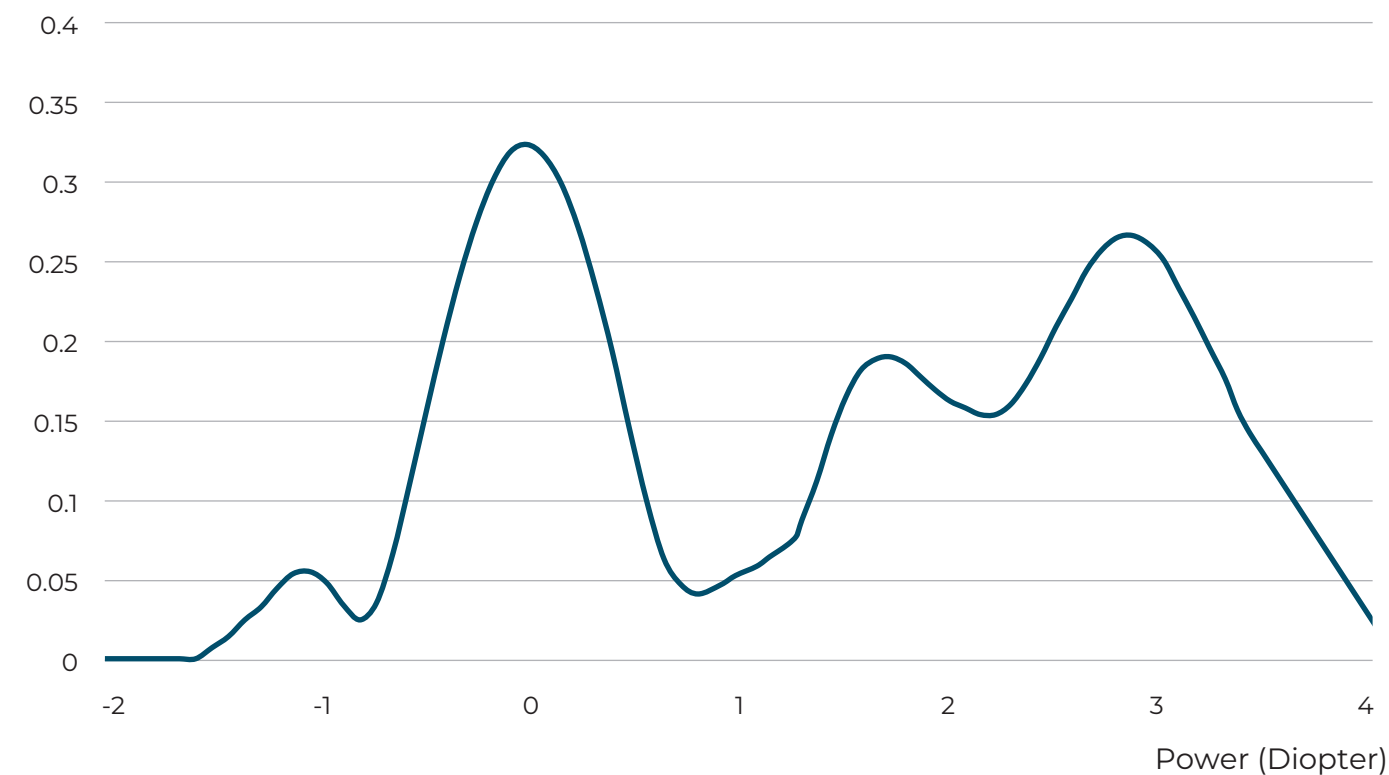


MTF THROUGH FOCUS CURVE

OPTIFLEX XTENSE COMFORT PLUS provides extended vision up to Near distance to remove spectacle dependency for daily activities.

OPTIFLEX XTENSE COMFORT PLUS MTF THROUGH FOCUS CURVE

MTF (50 lp/mm)



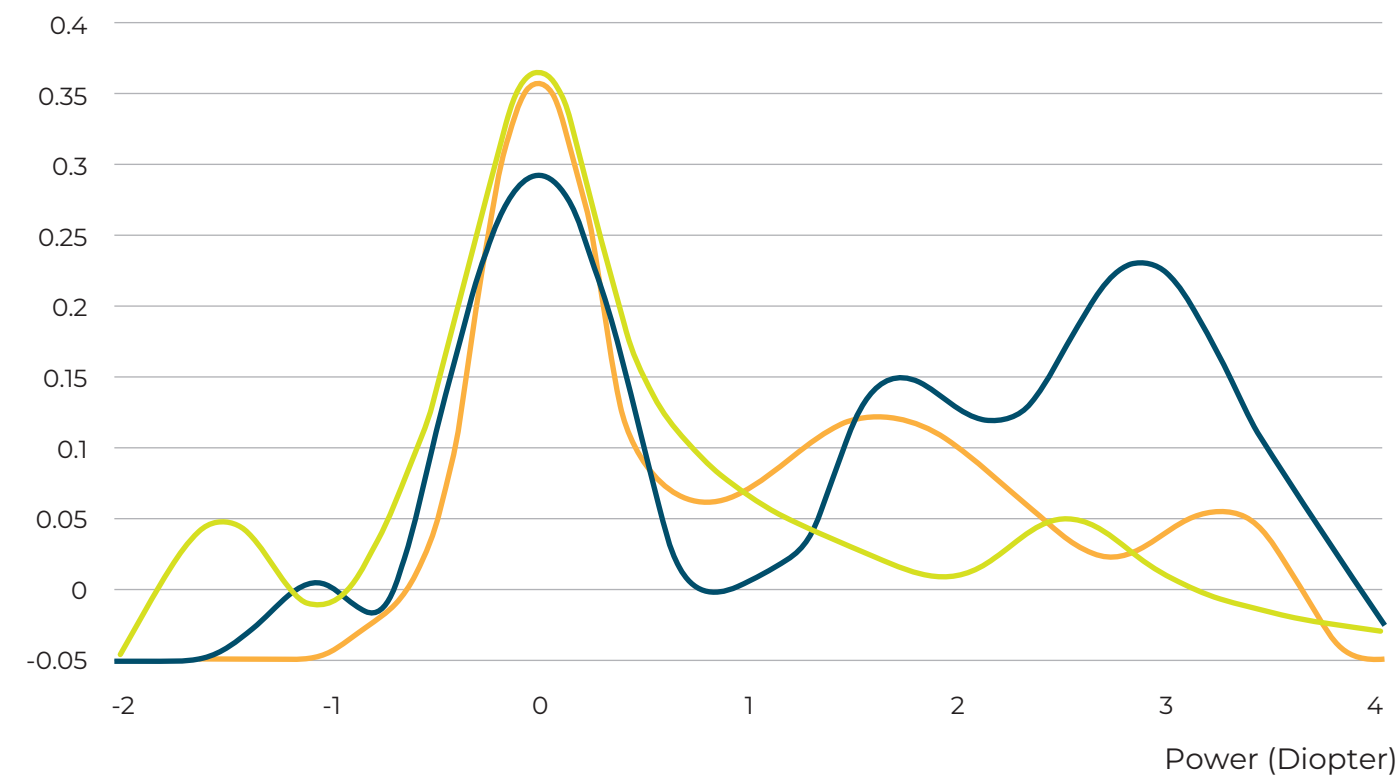
*Data on File.

MTF THROUGH FOCUS CURVE COMPARISON WITH COMPETITOR

OPTIFLEX XTENSE COMFORT PLUS shows better intermediate and near vision.

MTF THROUGH FOCUS CURVE @3MM PUPIL SIZE

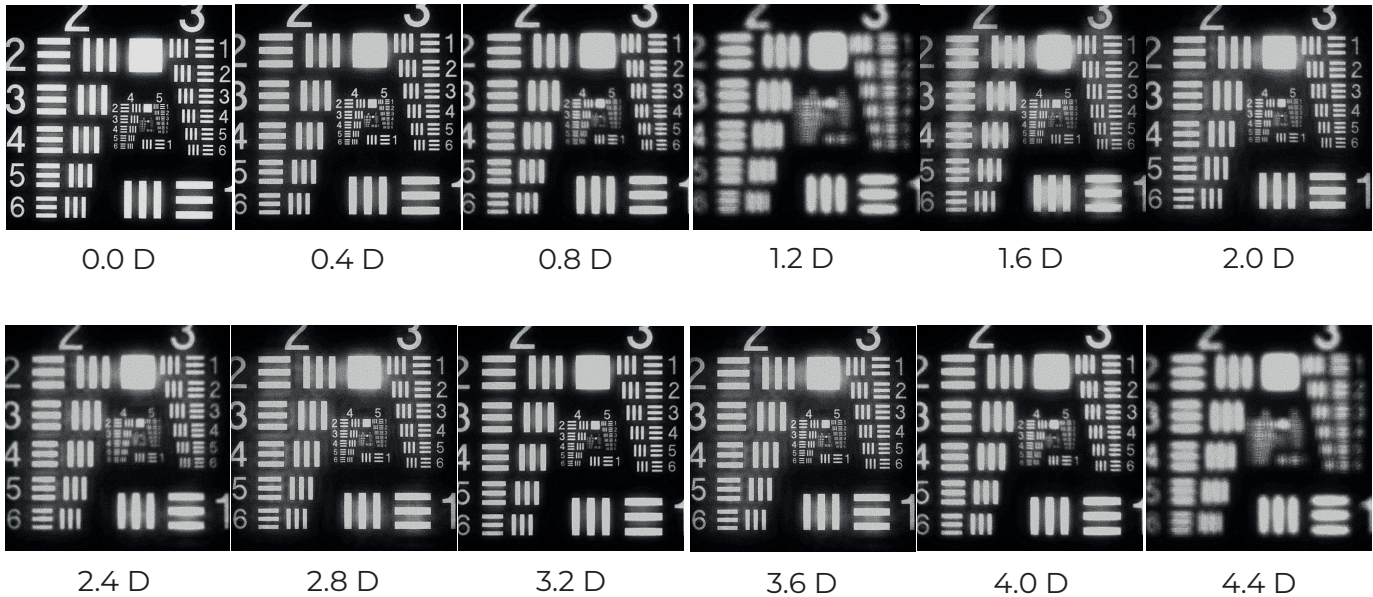
MTF (50 lp/mm)



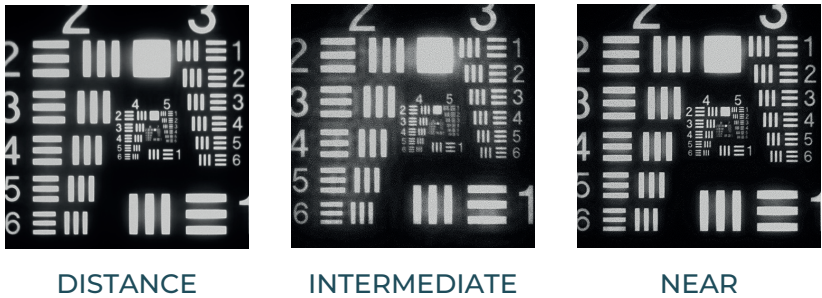
*Data on File.

USAF IMAGES

Continuous vision between Intermediate to near distance for daily activities and reduced spectacle dependency.



No compromise in the visual quality for distance, intermediate and near visual activities.



CLINICAL OUTCOMES

3 MONTHS POSTOPERATIVE RESULTS (n=30)

RESIDUAL REFRACTION

100%

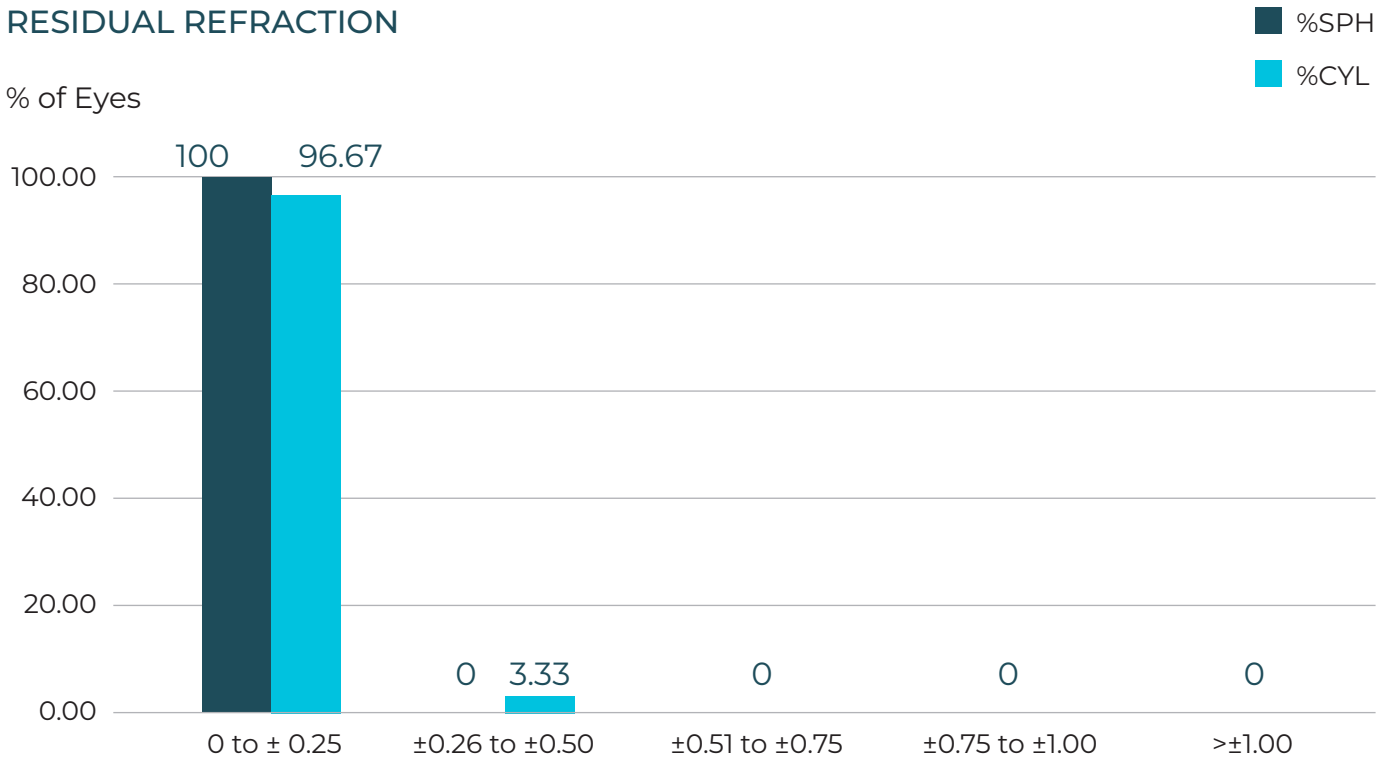
Subjects exhibit residual sphere within ± 0.25 D

96.67%

Subjects exhibit residual cylinder within ± 0.25 D

RESIDUAL REFRACTION

% of Eyes



*Data on File.

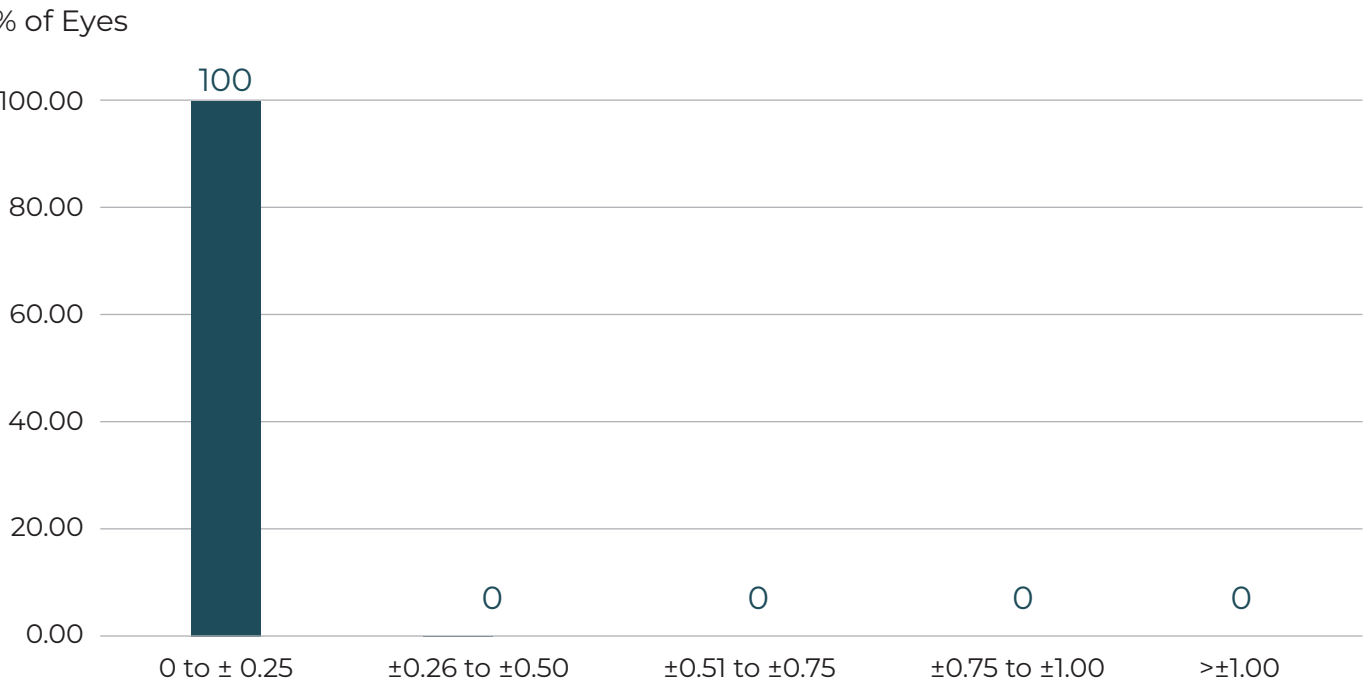
*Data on File.

RESIDUAL SPHERICAL EQUIVALENT

100%

Subjects exhibit residuals within ±0.25 D

RESIDUAL SPHERICAL EQUIVALENT



*Data on File.

DISTANCE VISUAL ACUITY

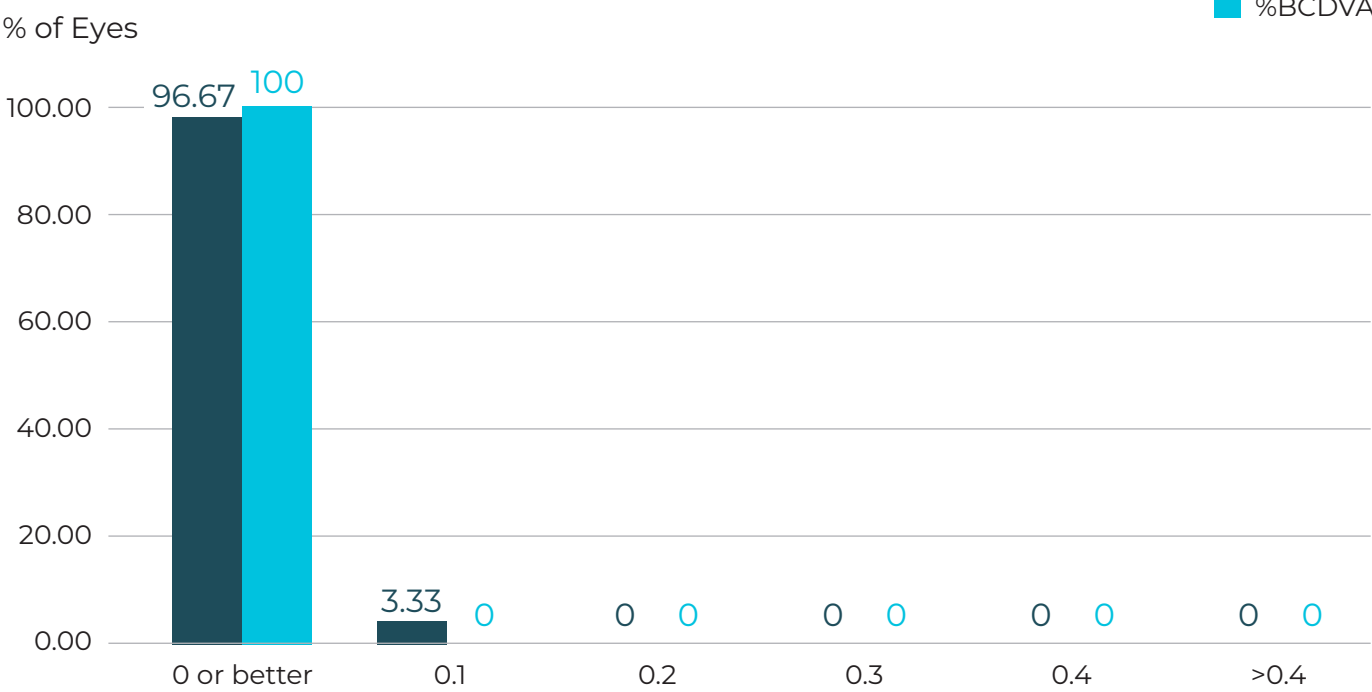
96.67%

of subjects exhibit uncorrected distance visual acuity of 0.0 logMAR or better

100%

of subjects exhibit uncorrected distance visual acuity of 0.1 logMAR or better

DISTANCE VISUAL ACUITY

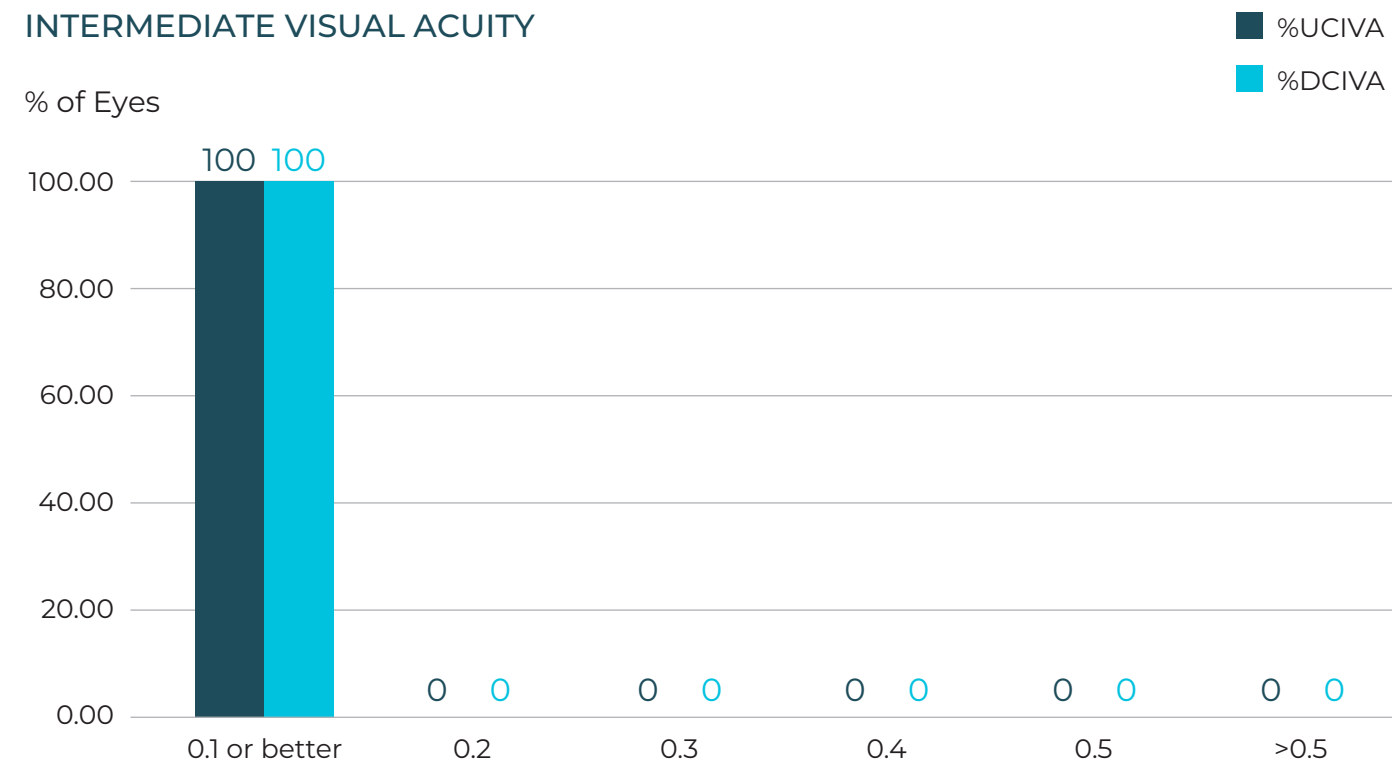


*Data on File.

INTERMEDIATE VISUAL ACUITY

100%

of subjects exhibit uncorrected
Intermediate visual acuity of 0.1
logMAR or better



*Data on File.

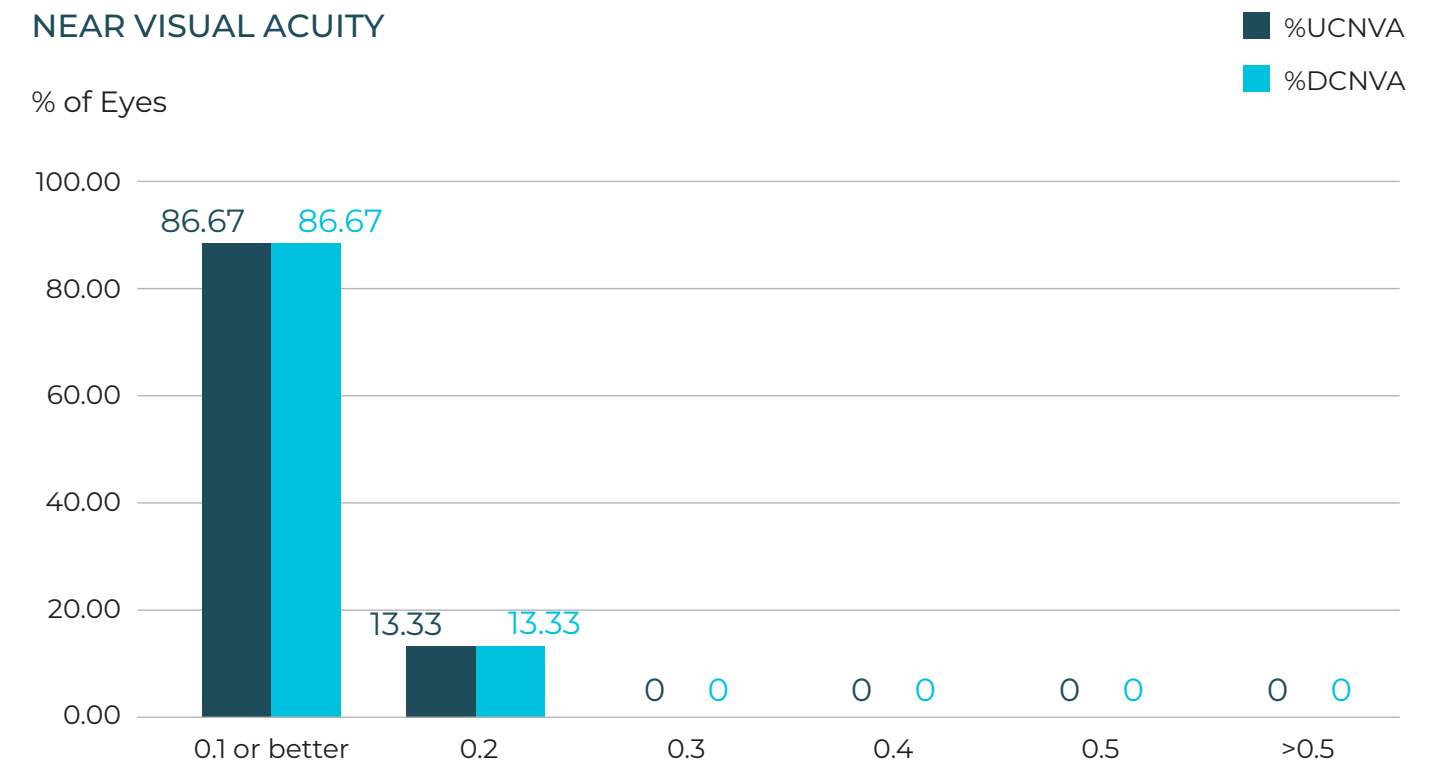
NEAR VISUAL ACUITY

86.67%

of subjects exhibit
uncorrected visual acuity
of 0.1 logMAR or better

100%

of subjects exhibit
uncorrected visual acuity
of 0.2 logMAR or better



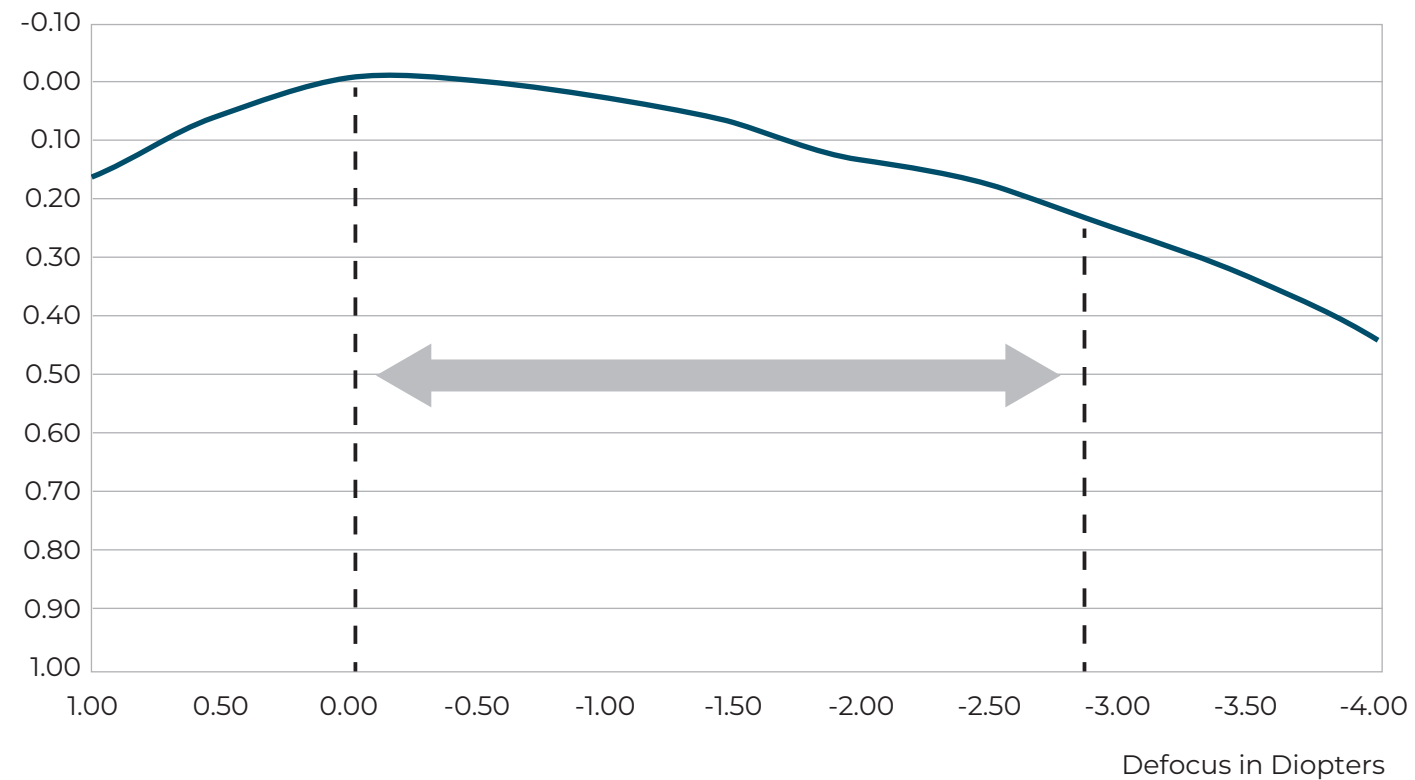
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MONOCULAR DEFOCUS

- An extended range of vision > 2.5 D at 0.2 Log MAR or better
- Continuous vision from Distance to Near
- Spectacle independence for day to day activities

MONOCULAR DEFOCUS

Visual Acuity (LogMAR)



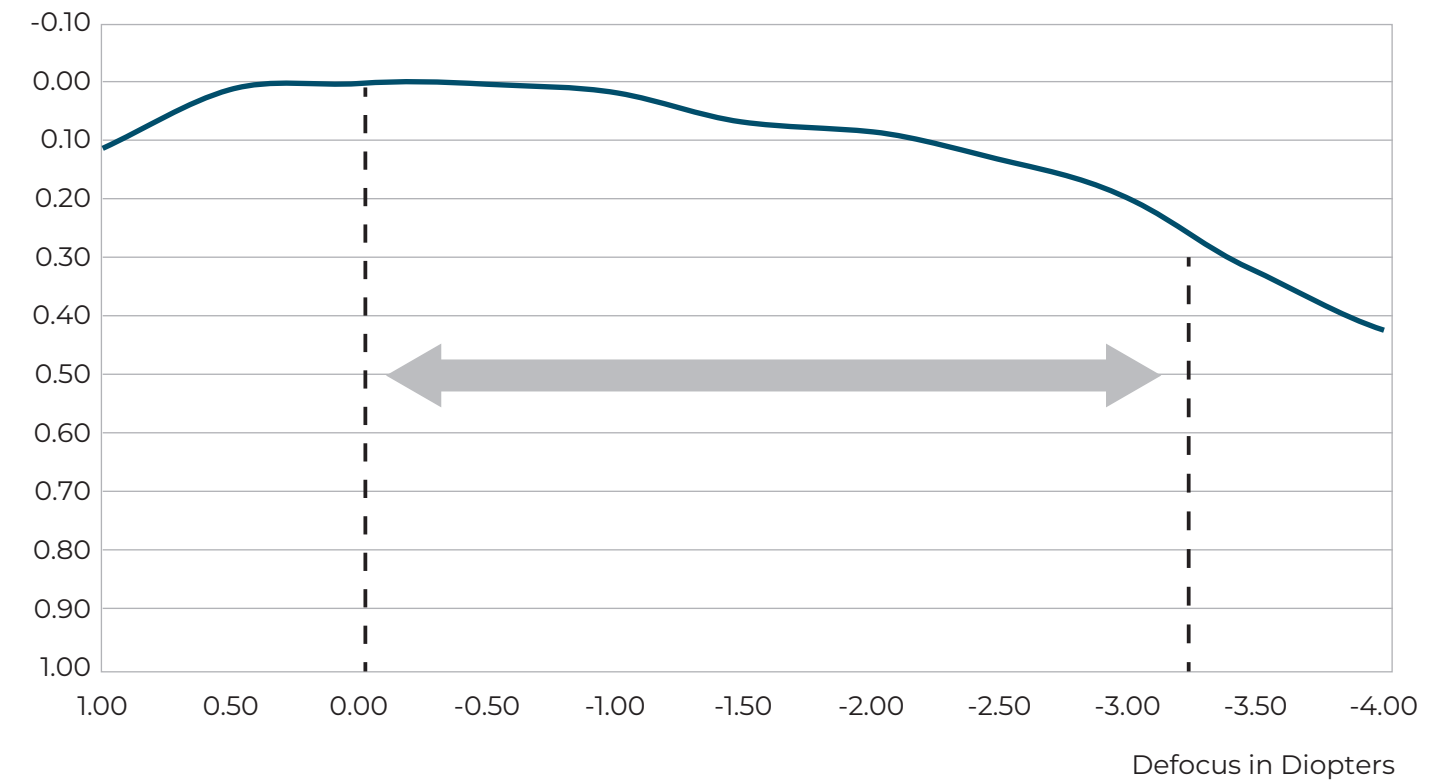
*Data on File.

BINOCULAR DEFOCUS (N=6)

- Binocular defocus shows even better extended range of vision > 3.0 D at 0.2 Log MAR or better
- Provides continuous vision from Distance to Near

BINOCULAR DEFOCUS

Visual Acuity (LogMAR)



*Data on File.

CONTRAST SENSITIVITY

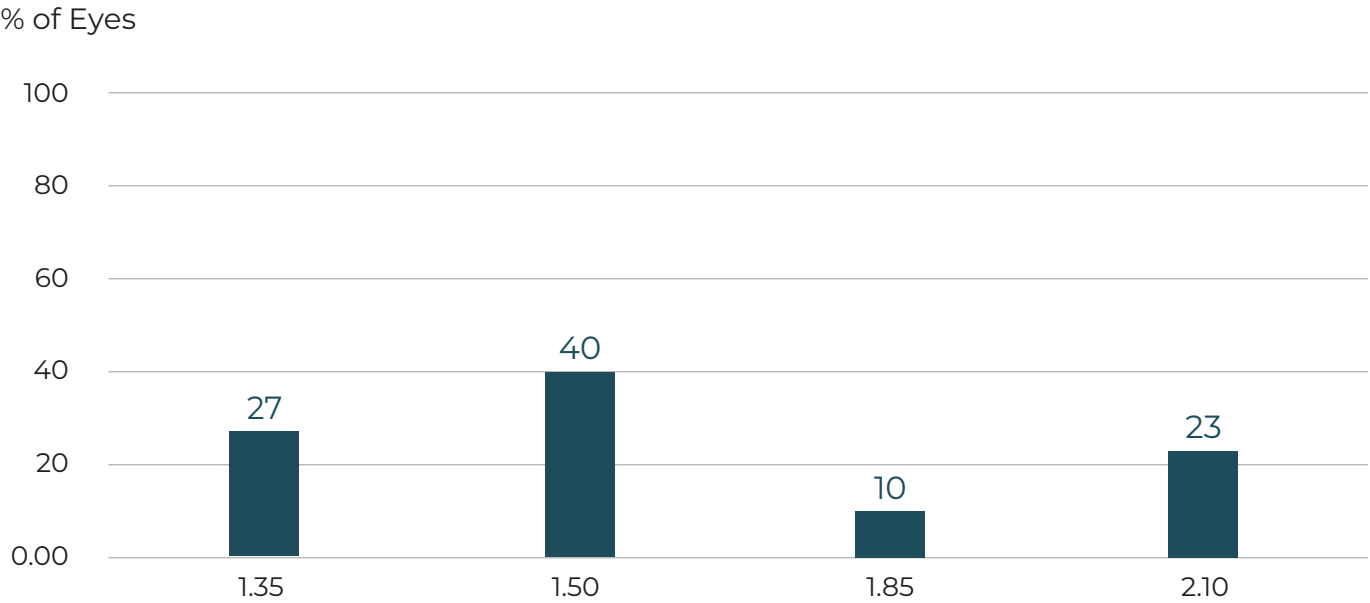
1.63

average contrast sensitivity

73.33%

of subjects exhibit a contrast sensitivity of 1.5 or better

CONTRAST SENSITIVITY



*Data on File.

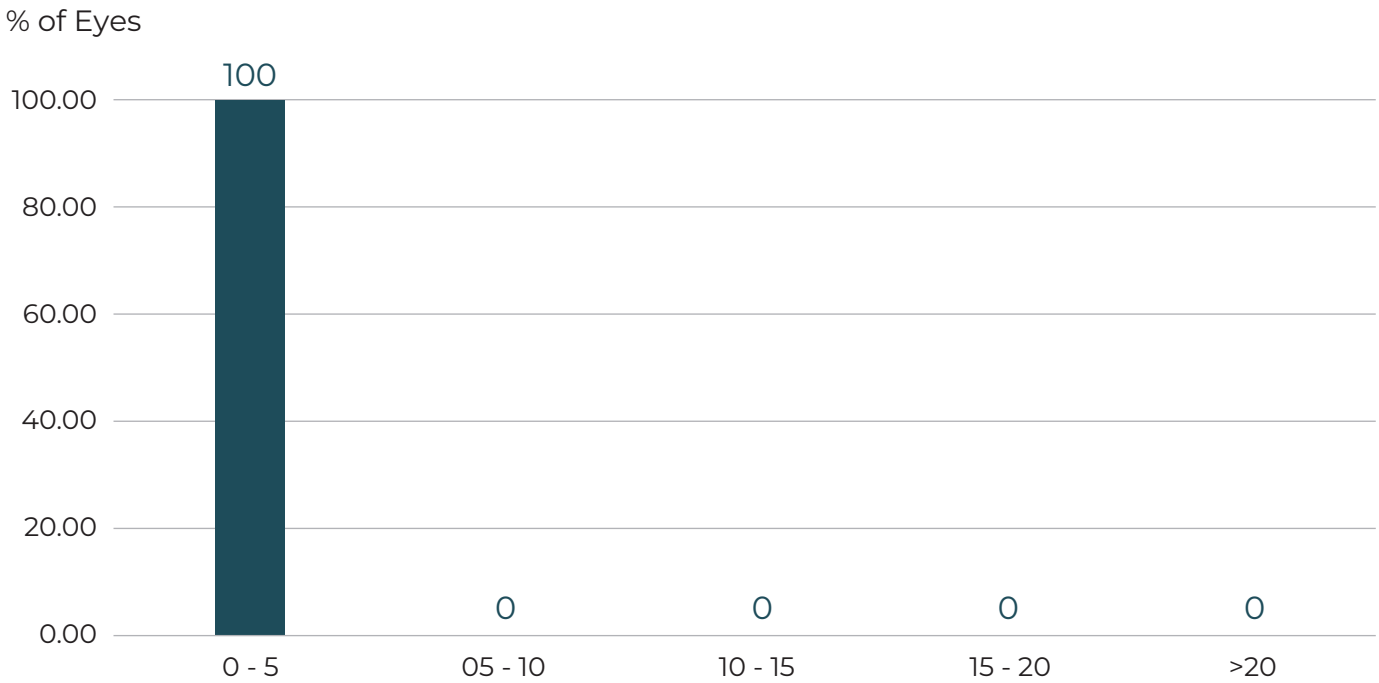
ROTATIONAL STABILITY

100%

of the eyes were reported with rotational within 5°

The mean absolute change in axis orientation between visits was less than 5° for all visit interval.

ROTATIONAL STABILITY



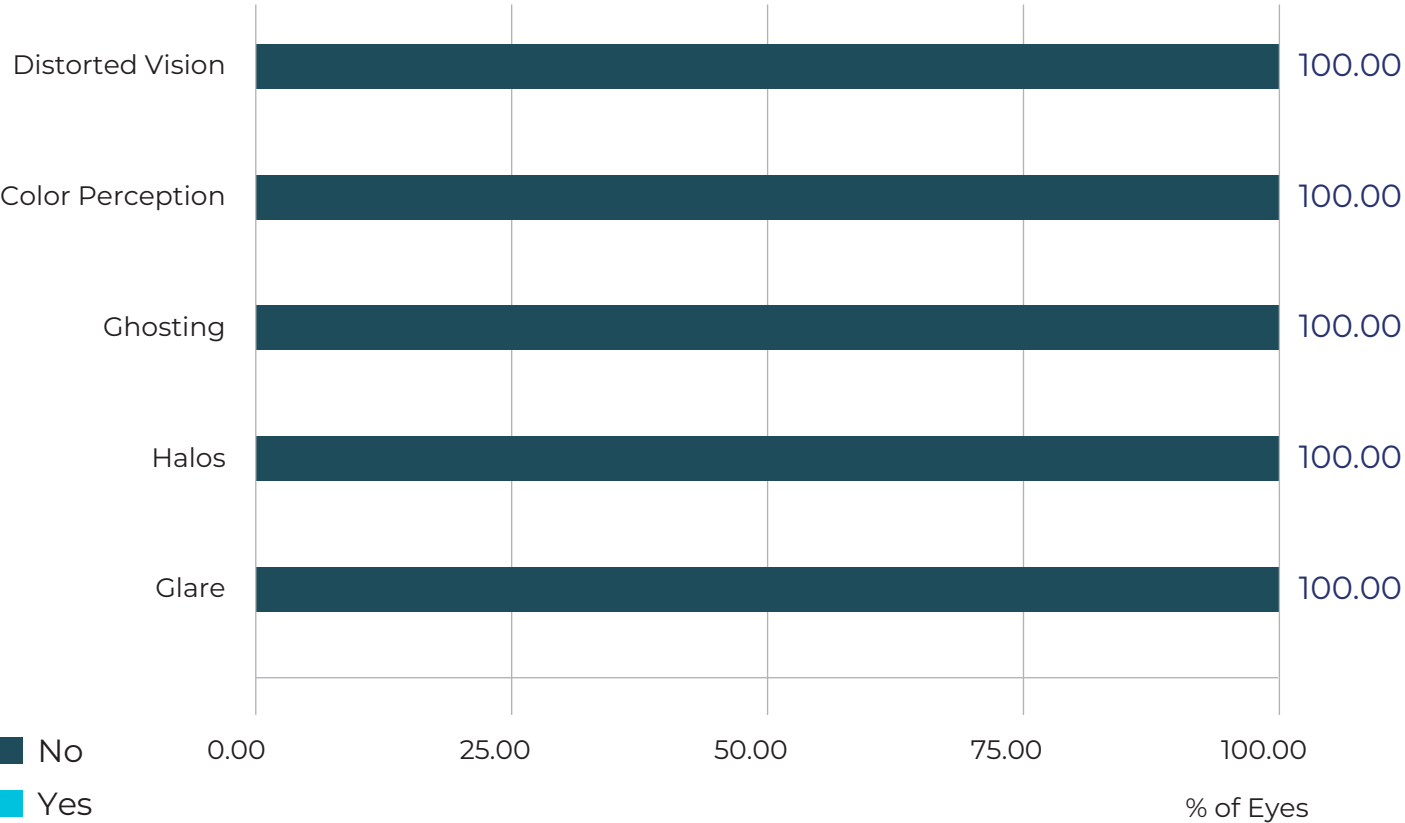
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VISUAL DISTURBANCE

- No photic phenomenon were observed in the post-op data
- The photic phenomena are similar to traditional monofocal IOLs



PRESENCE OF VISUAL DISTURBANCE

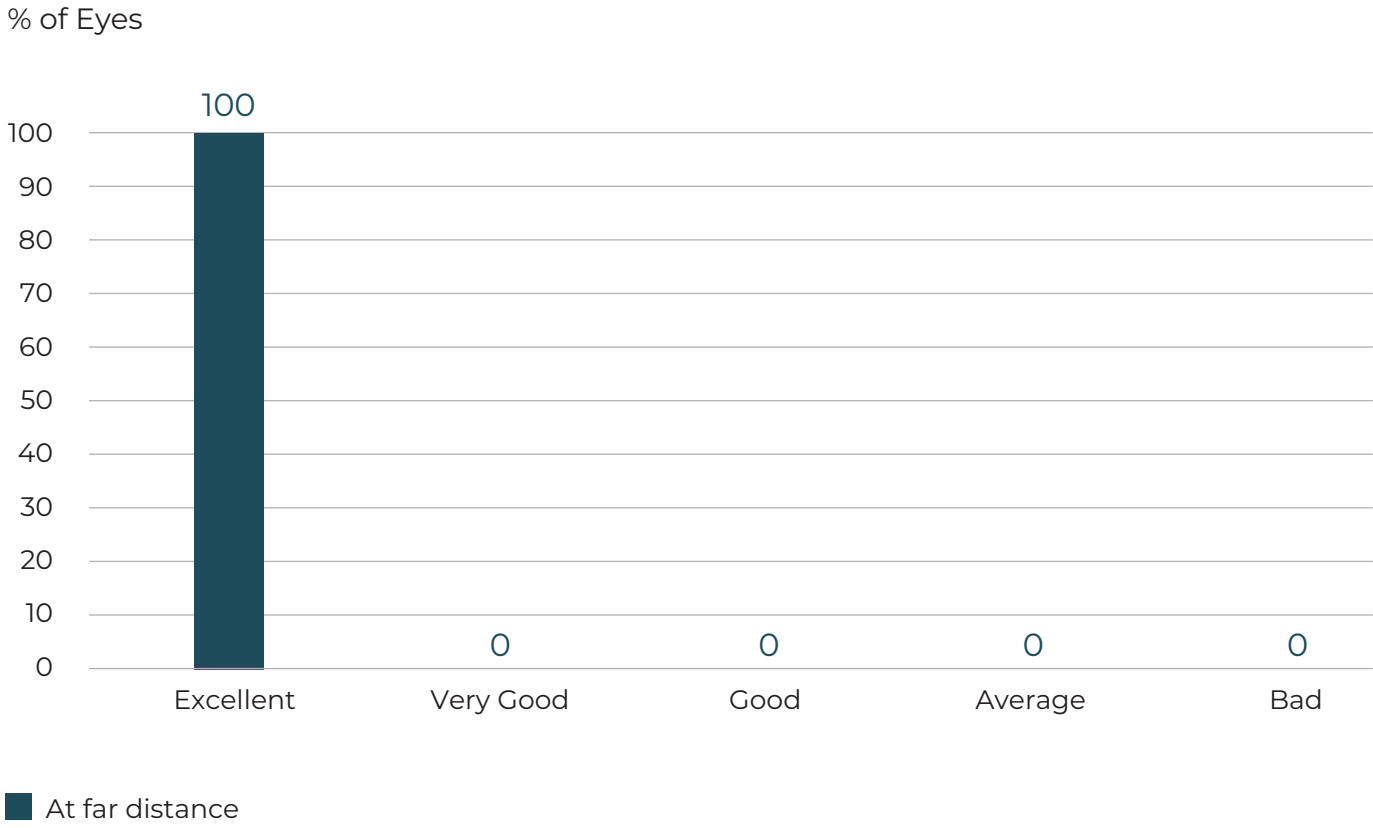


*Data on File.

PATIENT SATISFACTION DISTANCE

100%
of subjects exhibit excellent satisfaction for distance vision

FAR DISTANCE



*Data on File.

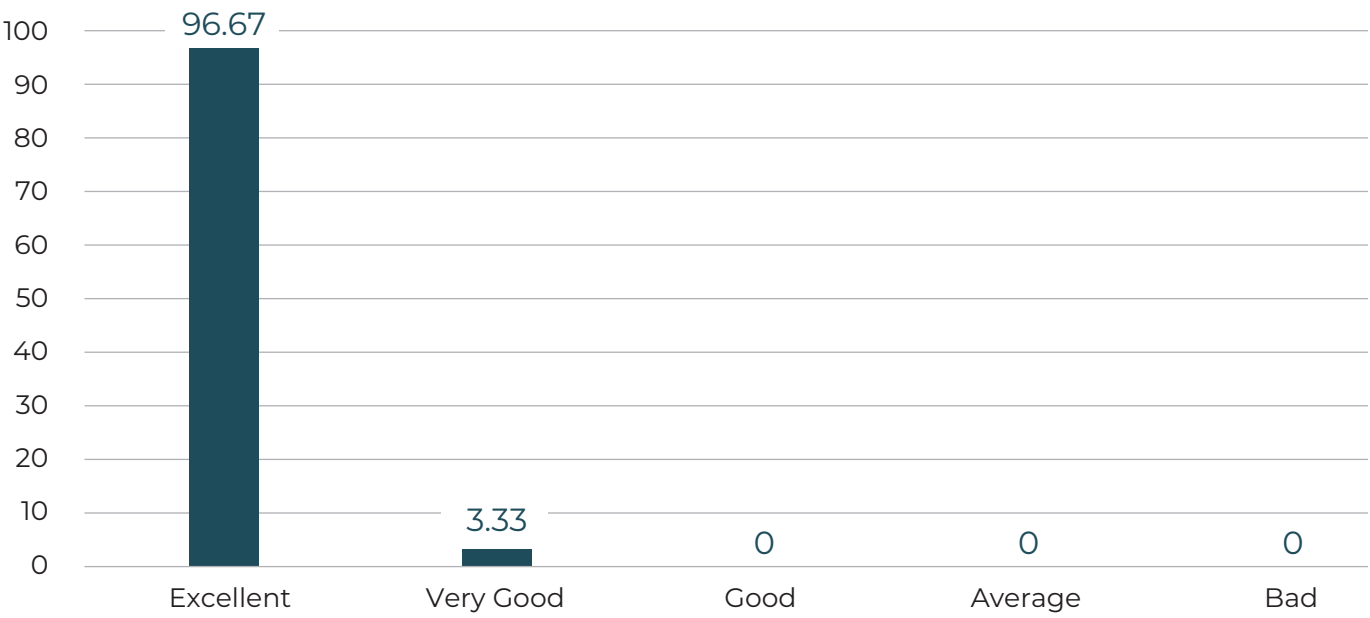
PATIENT SATISFACTION **INTERMEDIATE**

100%

of subjects exhibit excellent to very good satisfaction for intermediate distance vision

INTERMEDIATE DISTANCE

% of Eyes



■ Intermediate distance

*Data on File.

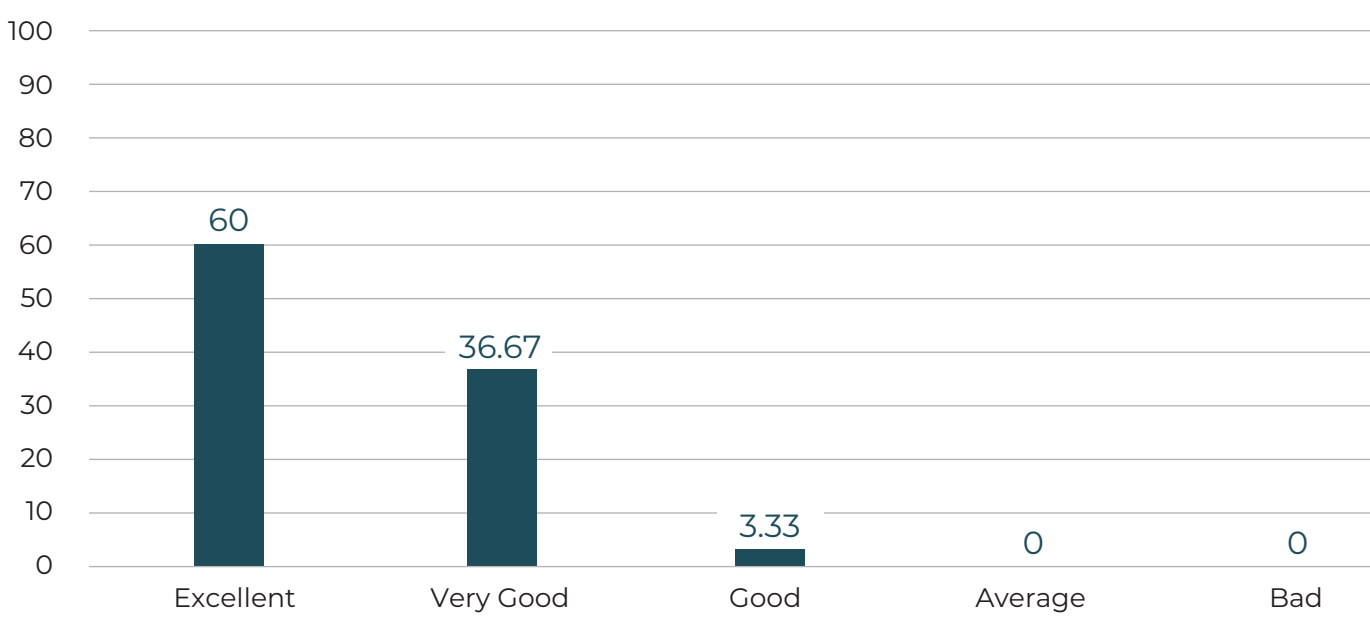
PATIENT SATISFACTION **NEAR**

100%

of subjects exhibit excellent to good satisfaction for near distance vision

NEAR DISTANCE

% of Eyes

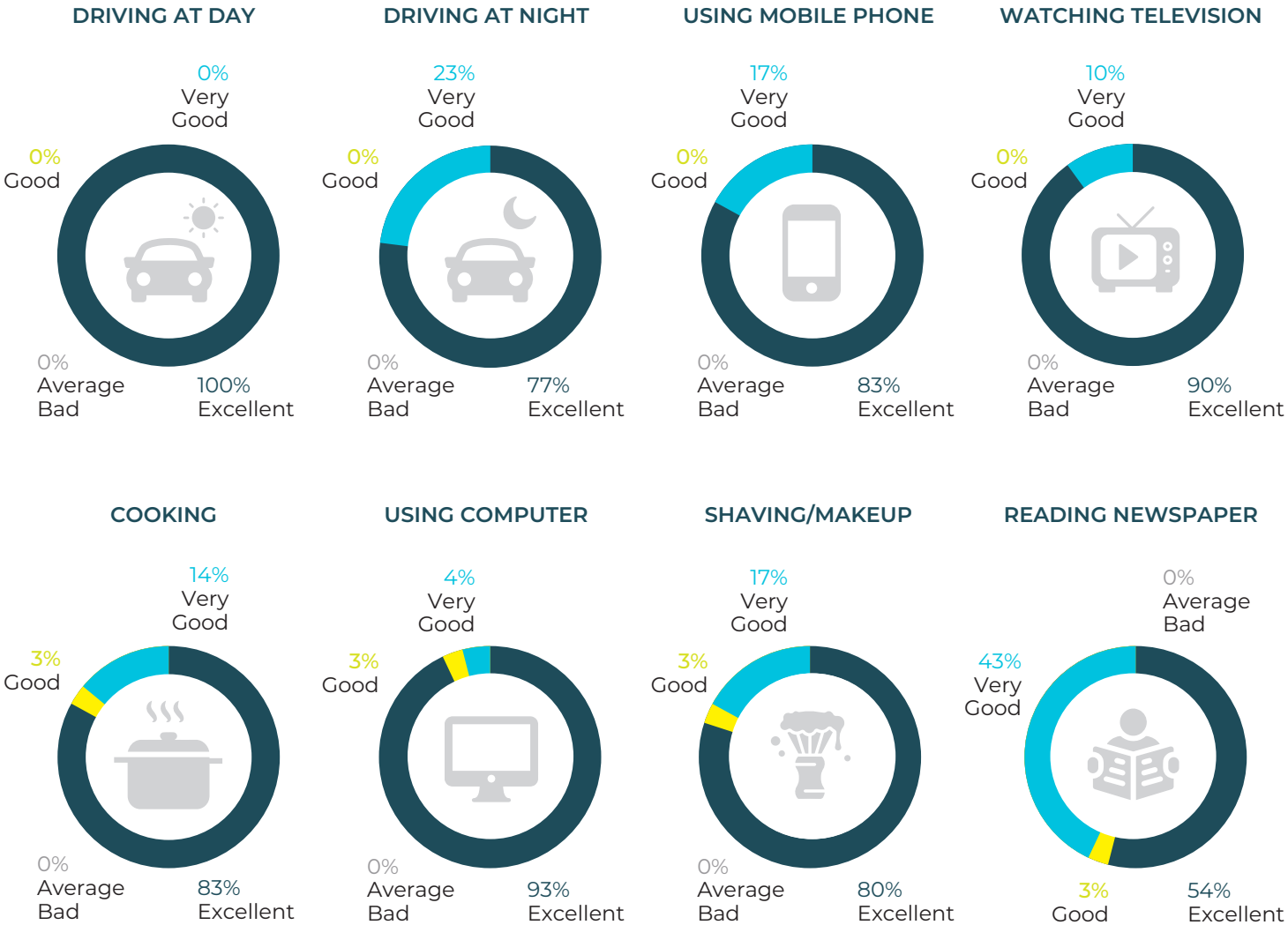


■ Near distance

*Data on File.

PATIENTS' DAILY LIFE EXPERIENCE

Patients are happy with their day to day activities.

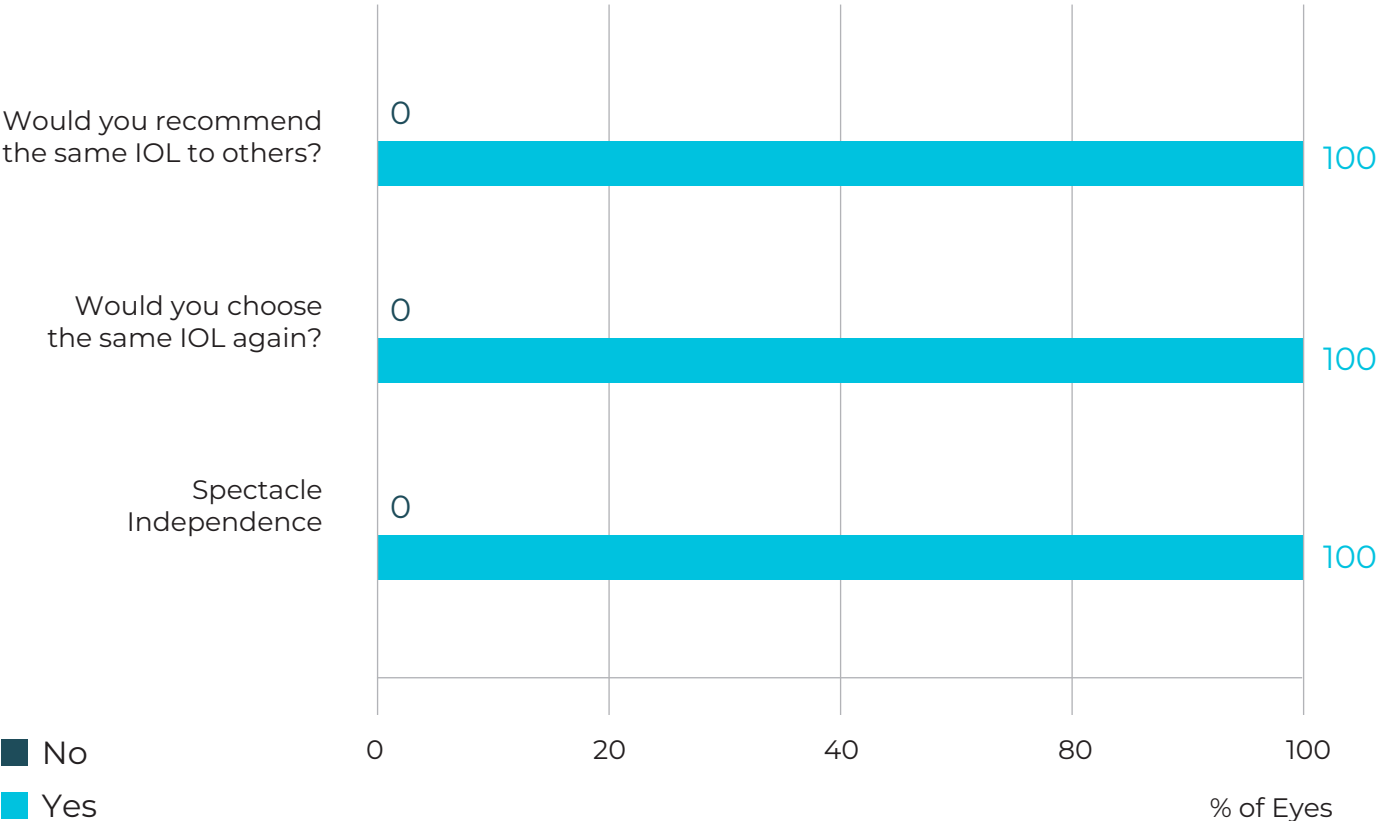


*Data on File.

PATIENT FEEDBACK

Patients are highly satisfied with their daily activities and spectacle independence.

FEEDBACK



No
Yes

*Data on File.

TECHNICAL SPECIFICATIONS

MODEL	LMF20E	LMF20ET
MATERIAL	Hydrophobic Acrylic	
OPTIC TYPE	Single Piece 360° Square Edge with Refractive Aspheric Optic	
OPTIC SIZE	6.00 mm	
OVERALL SIZE	13.00 mm	
ANGULATION	0°	
ACD	5.28	
REFRACTIVE INDEX	1.52	
RECOMMENDED ULTRASOUND A- CONSTANT	SRK-T 119.00	
RECOMMENDED OPTICAL A- CONSTANTS	HOLLADAY 1 SF: 1.99	HOLLADAY 2 SF: 2.02
	HOLLADAY 2 ACD: 5.78	SRK-T : 119.40
	SRK-II : 119.90	Barrett 2.09
	HOFFER Q ACD : 5.78	HAIGIS: a0:1.574, a1:0.400, a2:0.100
DIOPTER RANGE	+7.0 D to +30.0 D (with 0.5 D step) "0.00 D to +6.5 D and +30.5 D to +40.0 D will be available on customization on case to case basis as per manufacturing possibility"	
CYLINDER RANGE (Toric Version)	1.0 D to 1.5 D (with 0.5 D step), 1.5 D to 6.0 D (with 0.75 D step)	
	6.75 D to 15.0 D (with 0.75 D step) customization as per manufacturing possibility	
IMPLANTATION SITE	Capsular Bag	
STERILIZATION	EO	

CYLINDRICAL POWER OPTIONS

IOL MODEL	LABELED CYLINDER POWER	CYLINDRICAL POWER	RECOMMENDED RANGE OF CORNEAL ASTIGMATISM CORRECTION
		AT IOL PLANE	
LMF20ET	CYL D: 1.00 D	1.00 D	0.25 D to 0.86 D
	CYL D: 1.50 D	1.50 D	0.87 D to 1.25 D
	CYL D: 2.25 D	2.25 D	1.26 D to 1.75 D
	CYL D: 3.00 D	3.00 D	1.76 D to 2.25 D
	CYL D: 3.75 D	3.75 D	2.26 D to 2.75 D
	CYL D: 4.50 D	4.50 D	2.76 D to 3.25 D
	CYL D: 5.25 D	5.25 D	3.26 D to 3.75 D
	CYL D: 6.00 D	6.00 D	3.76 D and above

