

Optiflex

XTENSE



comfort PLUS

FULL VISUAL RANGE EDOF IOL

NOT JUST
EXTENDED



XPANDED
BEYOND 

biotech

VISIONCARE

Optiflex
XTENSE
comfort PLUS
FULL VISUAL RANGE EDOF IOL

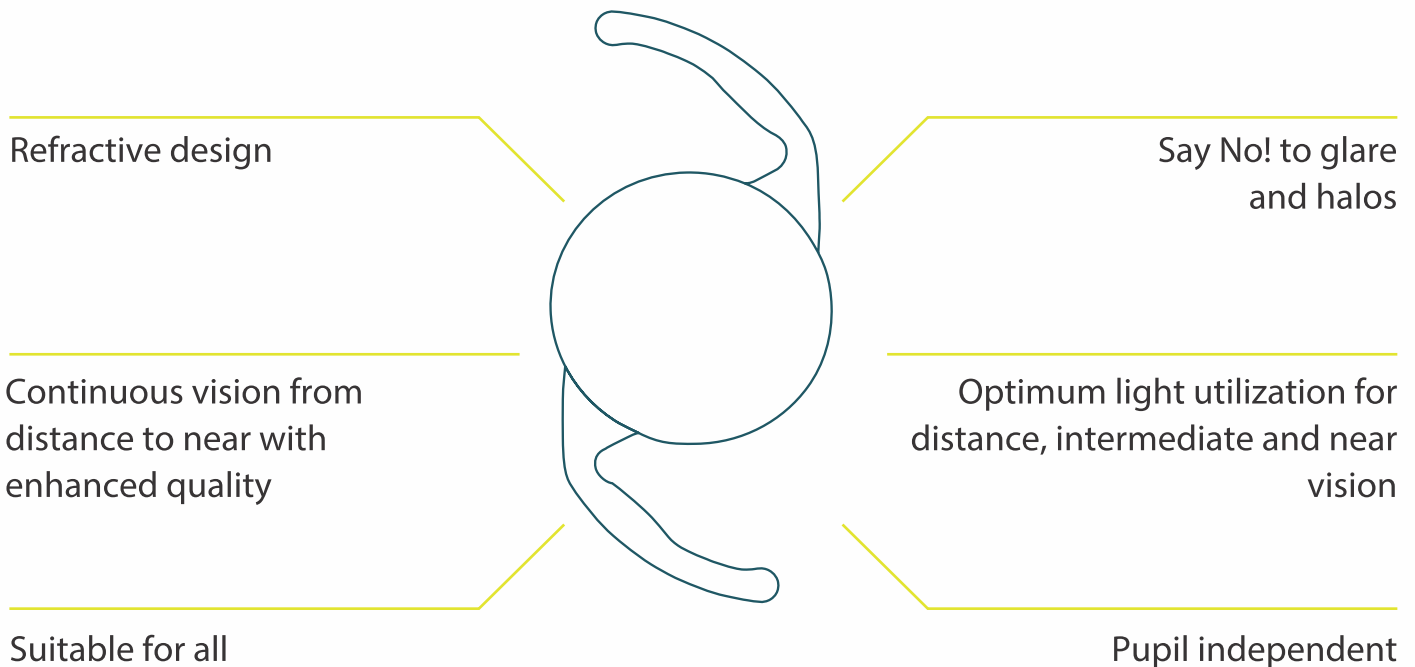
UNIQUE ZONAL
ASYMMETRIC POWER
DISTRIBUTION ON
ASPHERIC DESIGN



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



CE
2460

PRELOADED
FULL VISUAL RANGE
EDOF IOL

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

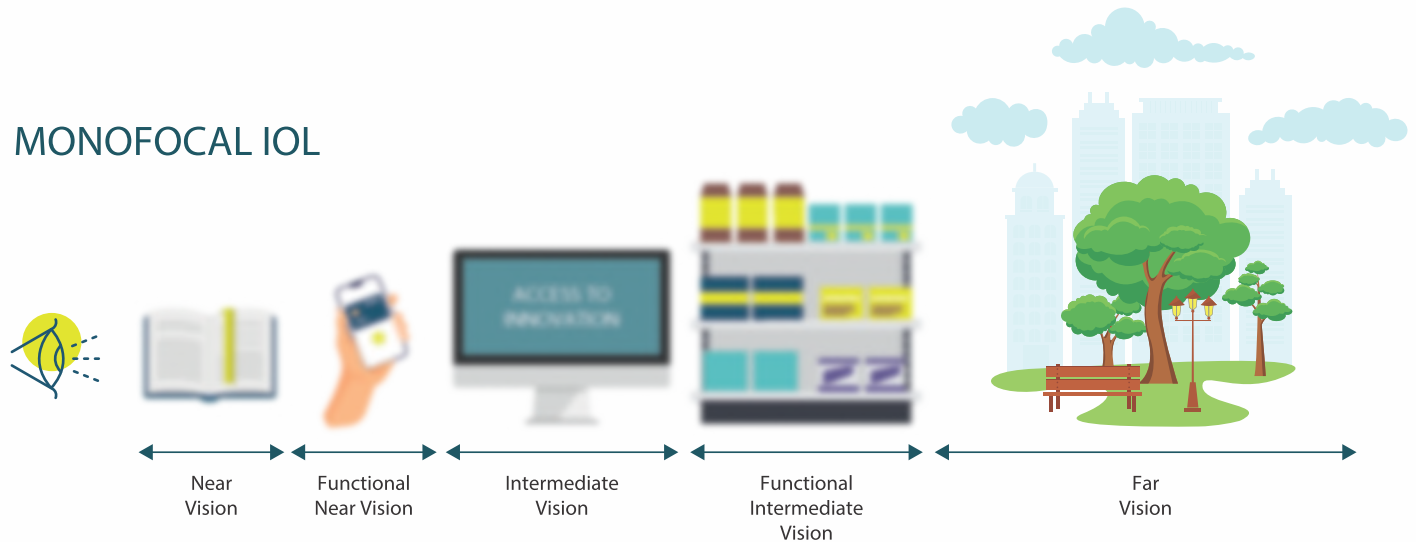


Suitable for all type of patients

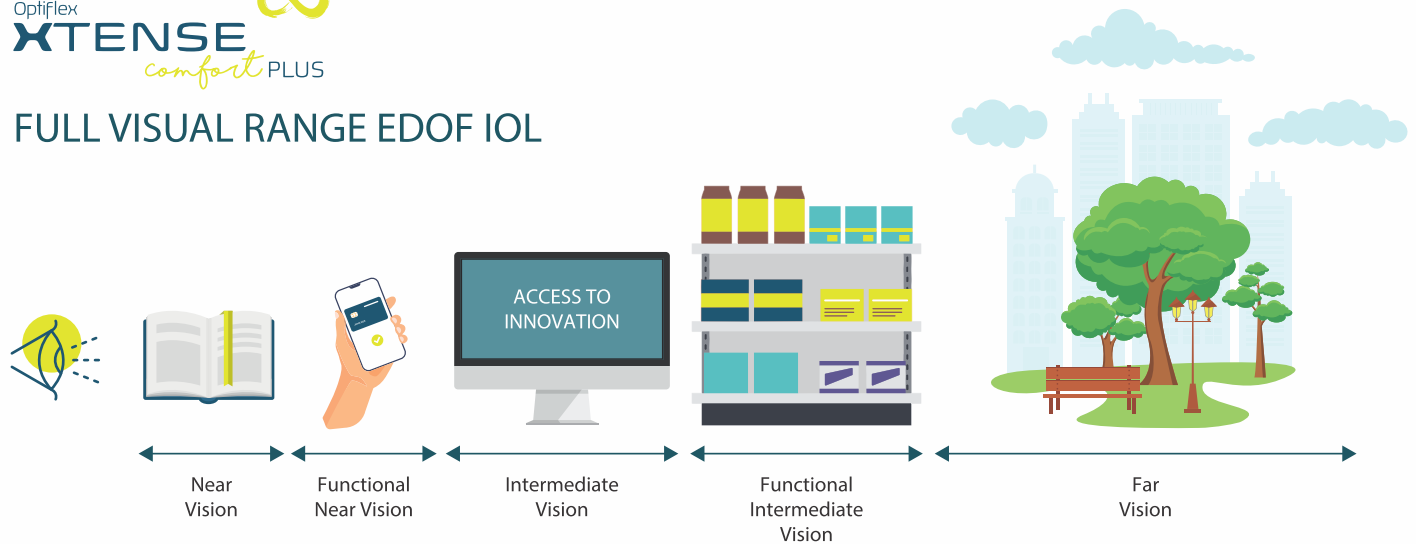


UNIQUE ZONAL ASYMMETRIC POWER DISTRIBUTION ON ASPHERIC DESIGN

MONOFOCAL IOL



FULL VISUAL RANGE EDOF IOL

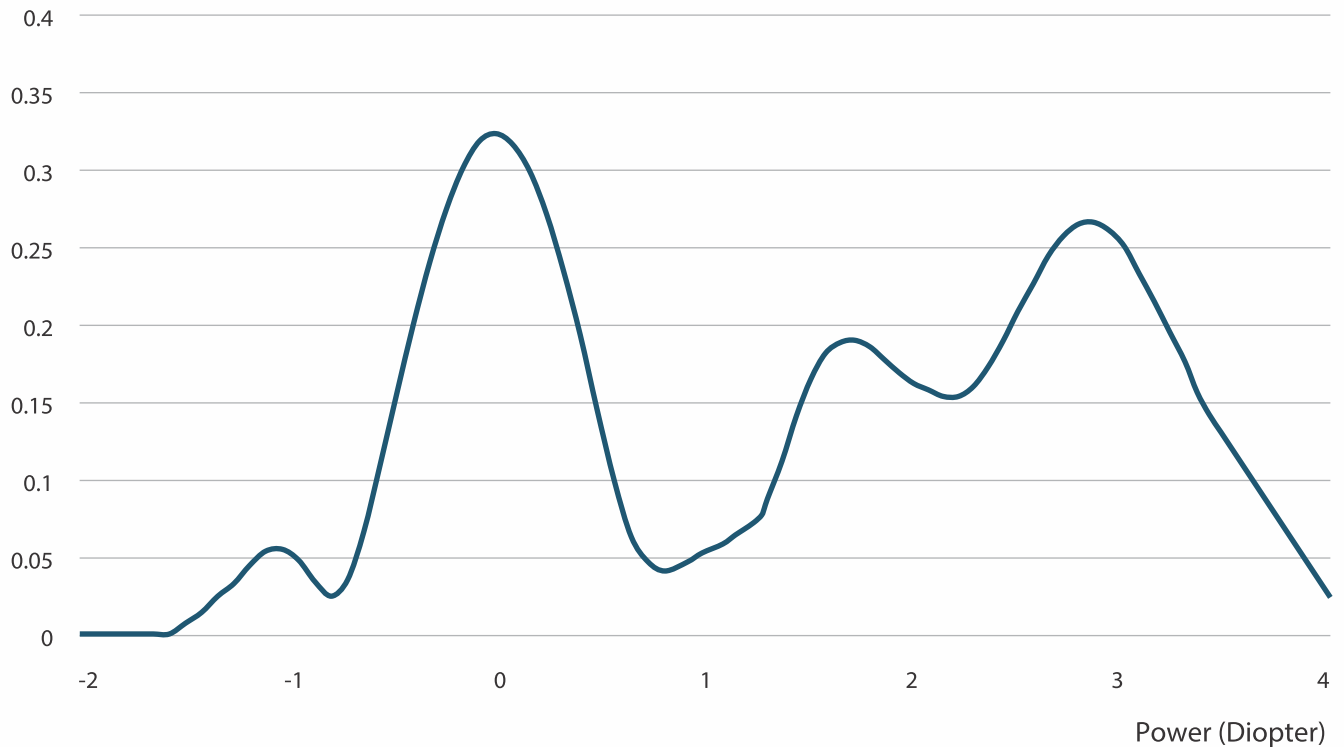


THROUGH FOCUS CURVE

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

OPTIFLEX XTENSE COMFORT PLUS THROUGH FOCUS CURVE

MTF (50 Line/mm)



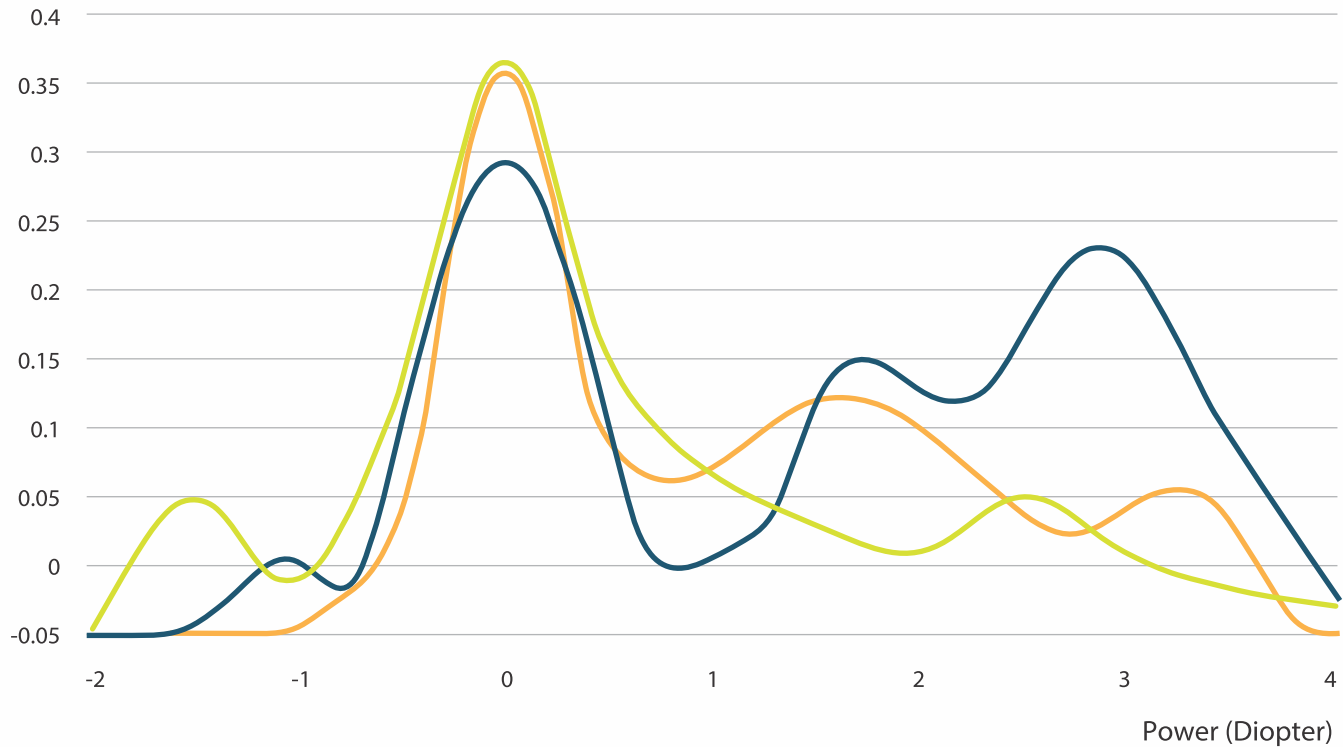
THROUGH FOCUS CURVE COMPARISON WITH COMPETITOR

OPTIFLEX XTENSE COMFORT PLUS shows better intermediate and near vision.

THROUGH FOCUS CURVE @3MM PUPIL SIZE

MTF (50 Line/mm)

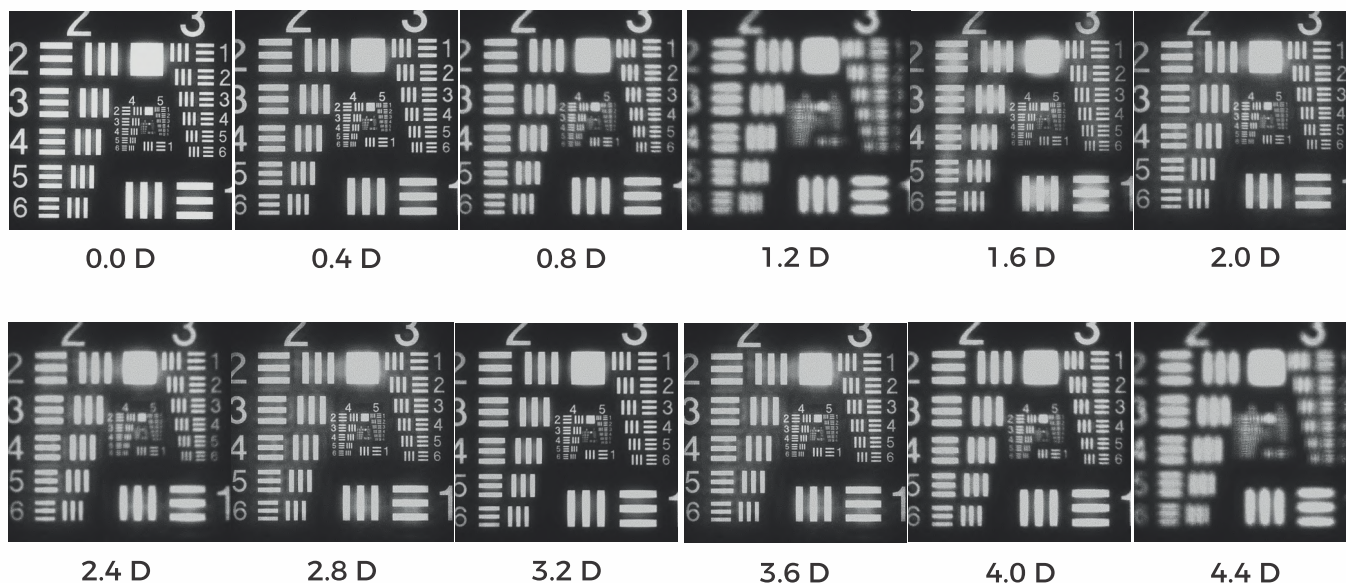
- Optiflex Xtense Comfort Plus
- Competitor A
- Competitor J



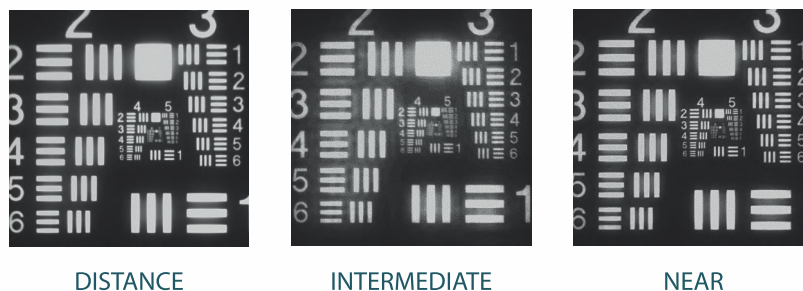


USAF IMAGES

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

SPHERICAL REFRACTION RESIDUALS (N=30)

94.12%

Subjects exhibit spherical residuals within ± 0.25 D

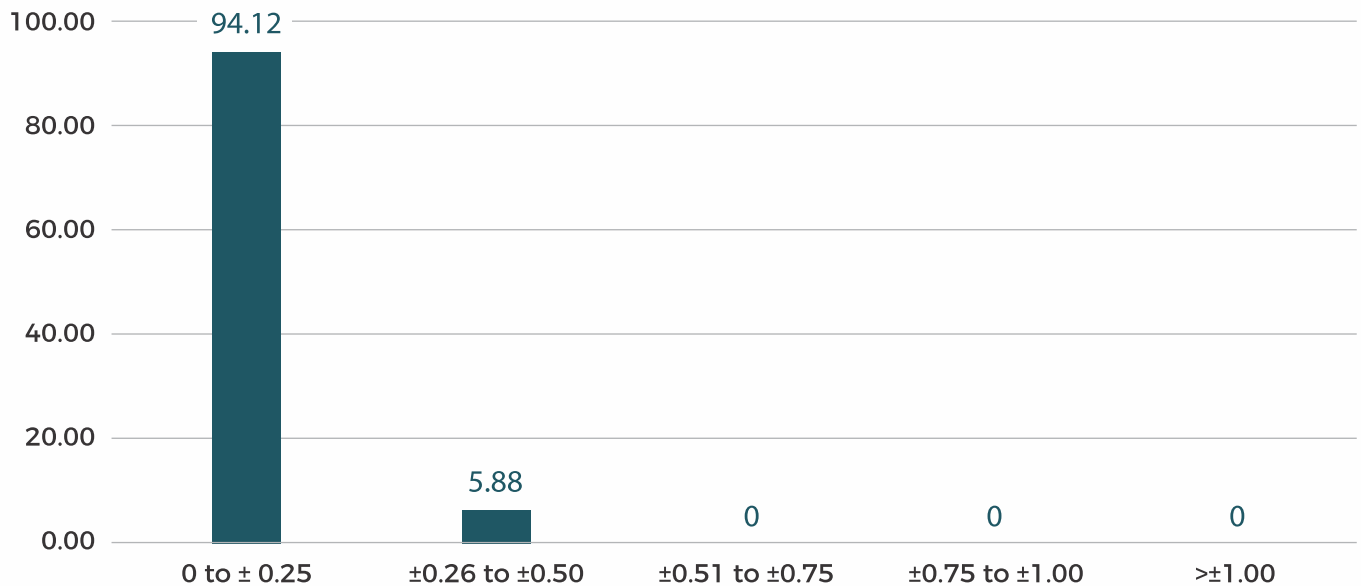
100%

Subjects exhibit residuals within ± 0.50 D

RESIDUAL REFRACTION

■ %SPH

% of Eyes



CLINICAL OUTCOMES

DISTANCE VISUAL ACUITY (N=30)

89.66%

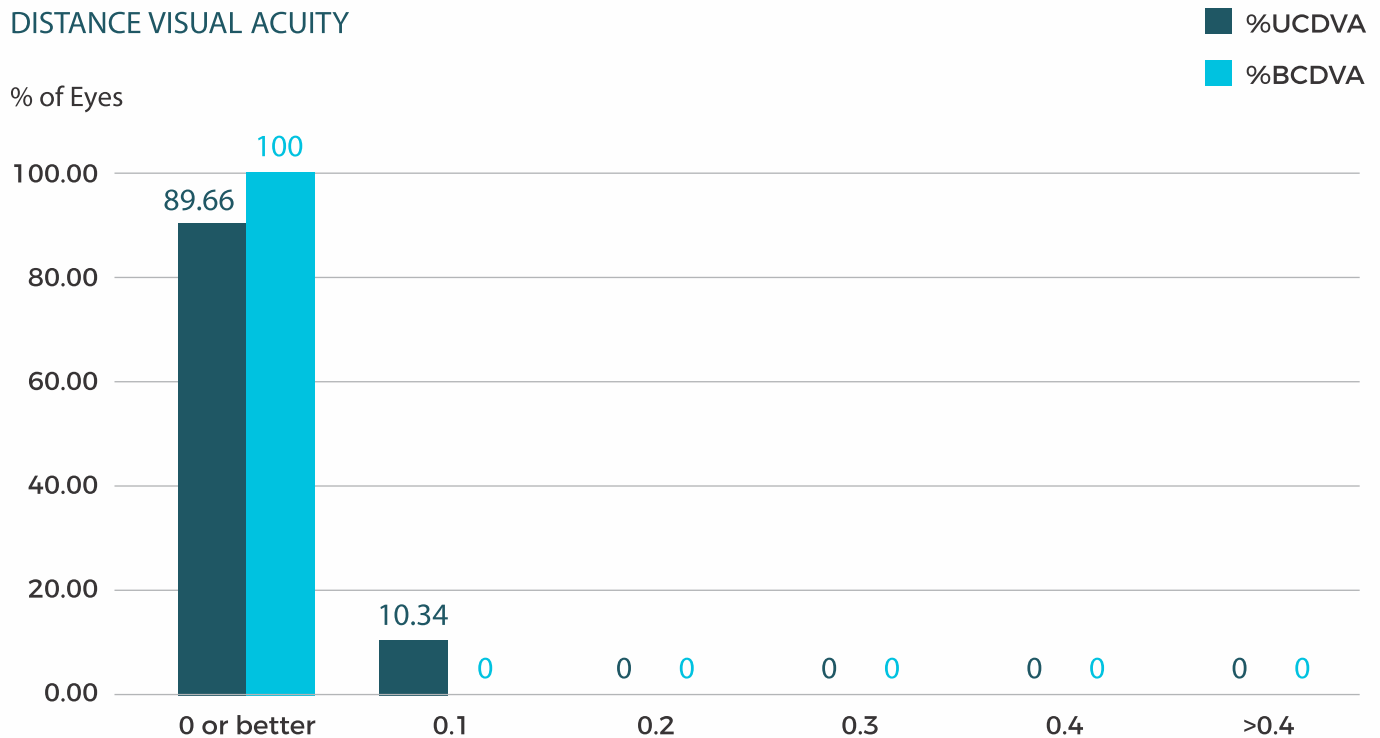
of subjects exhibit uncorrected distance visual acuity of 0.0 logMAR or better

100%

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

DISTANCE VISUAL ACUITY

% of Eyes



CLINICAL OUTCOMES

INTERMEDIATE VISUAL ACUITY (N=30)

68.97%

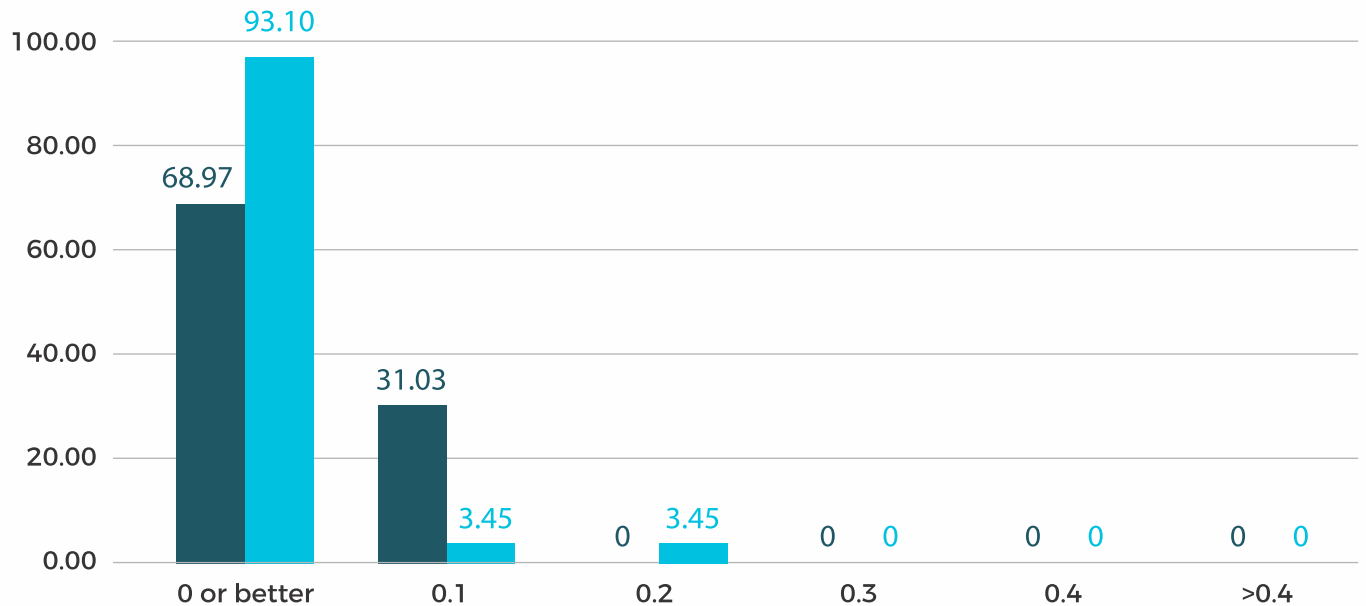
of subjects exhibit uncorrected Intermediate visual acuity of 0.0 logMAR or better

100%

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

INTERMEDIATE VISUAL ACUITY

% of Eyes



CLINICAL OUTCOMES

NEAR VISUAL ACUITY (N=30)

86.2%

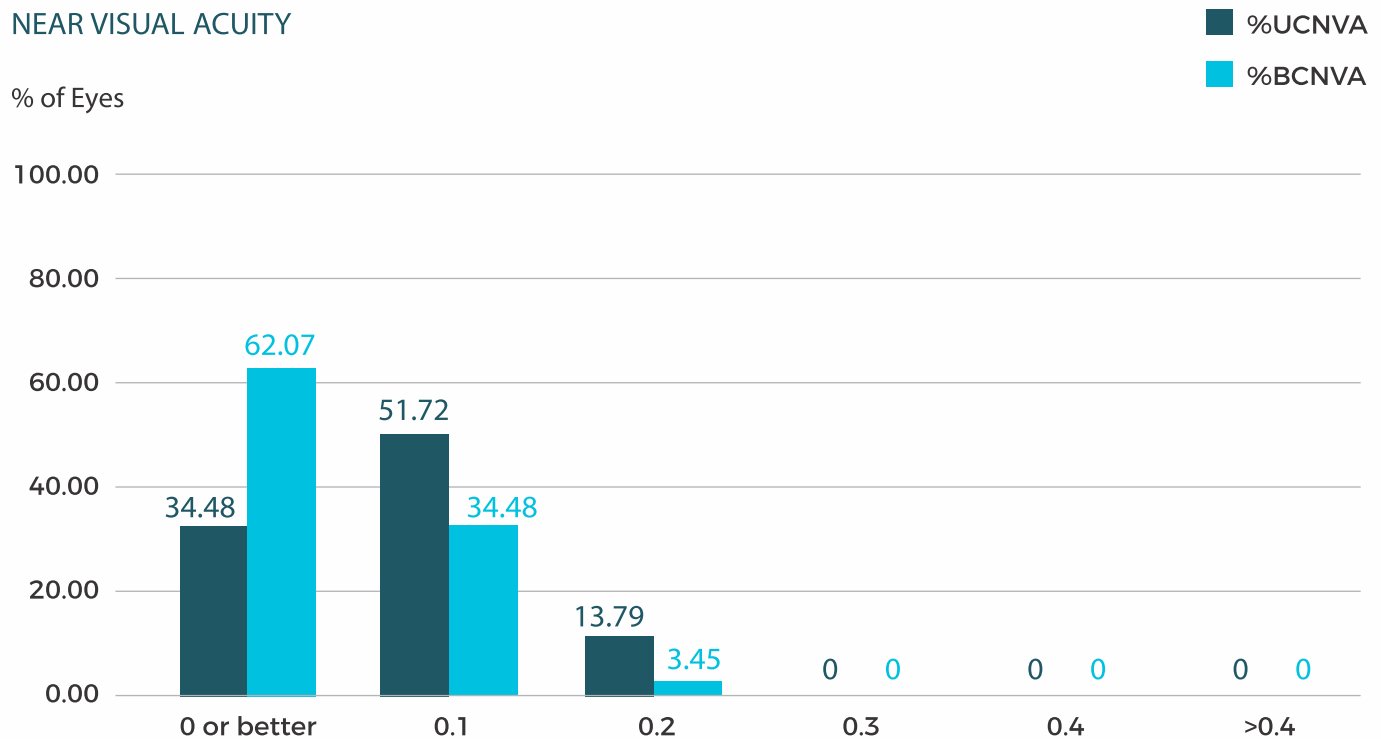
of subjects exhibit uncorrected visual acuity of 0.1 logMAR or better

100%

of subjects exhibit uncorrected visual acuity of 0.2 logMAR or better

NEAR VISUAL ACUITY

% of Eyes



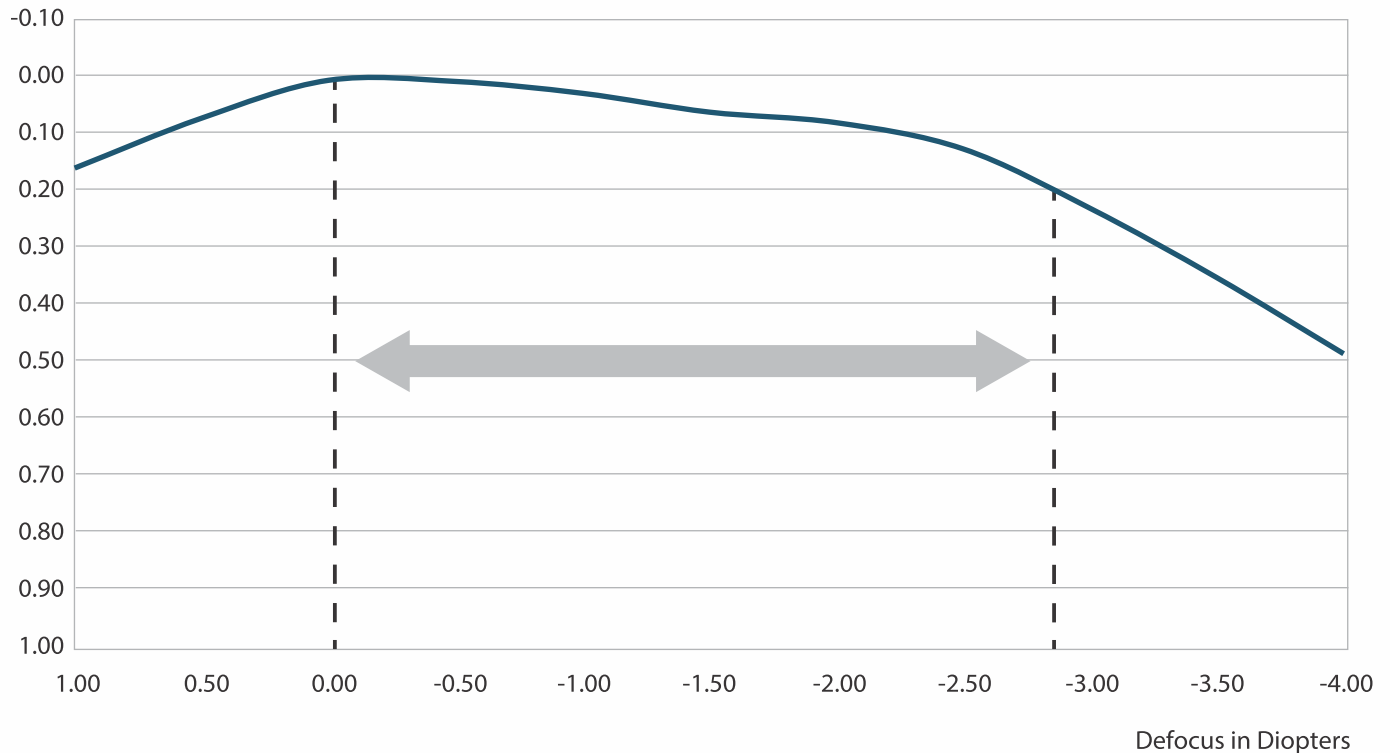
MONOCULAR DEFOCUS

AT 3 MONTHS POSTOPERATIVE RESULTS (N=30)

- 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)



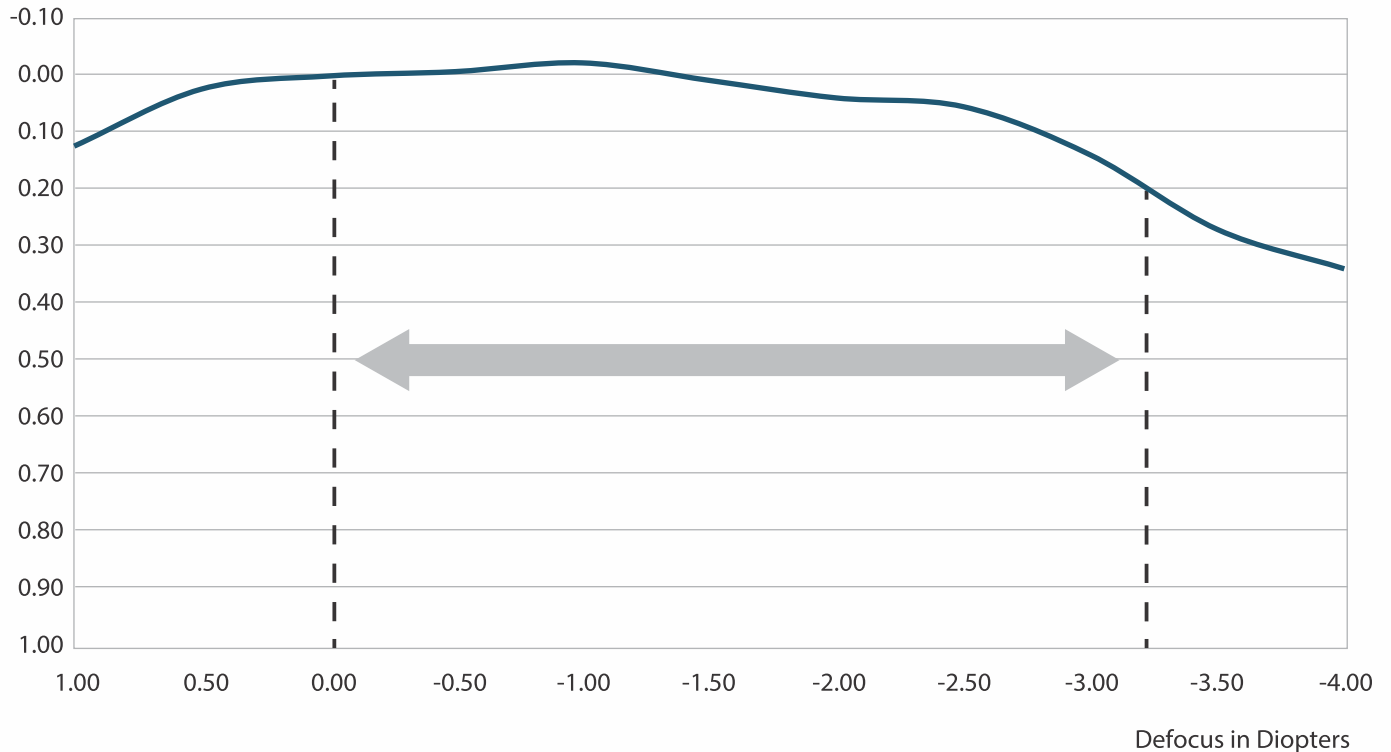
BINOCULAR DEFOCUS

AT 3 MONTHS POSTOPERATIVE RESULTS (N=30)

- 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)



CONTRAST SENSITIVITY

(N=30)

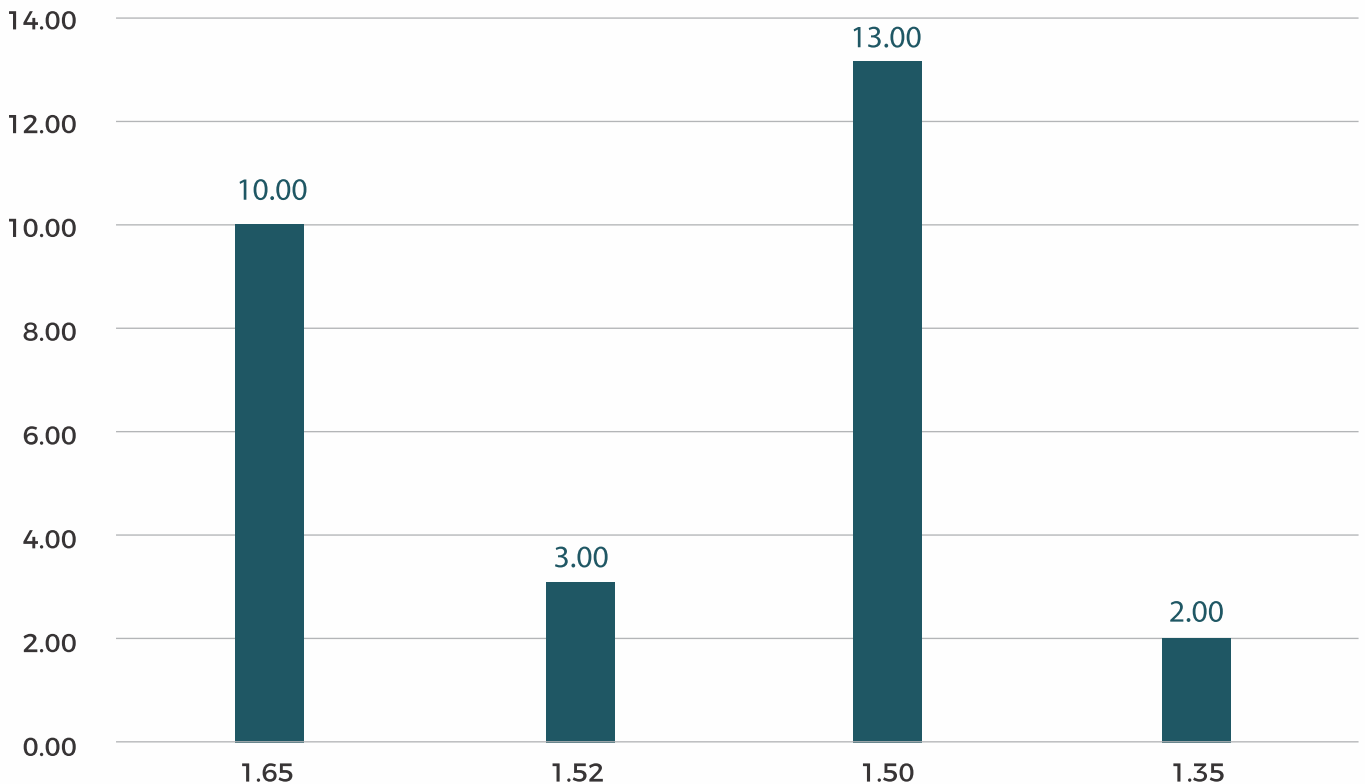
1.54

average contrast
sensitivity

92.86%

of subjects exhibit a contrast
sensitivity of 1.5 or better

CONTRAST SENSITIVITY



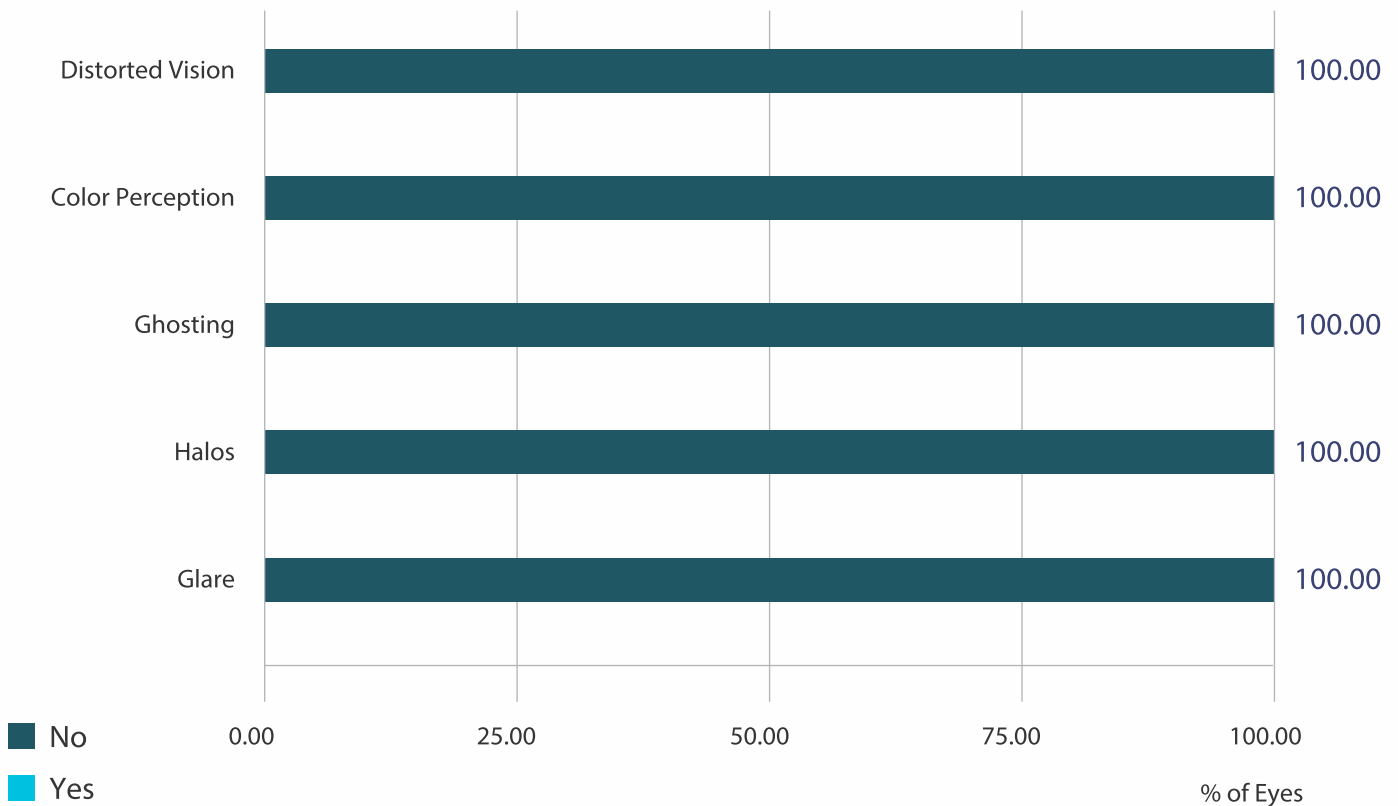
VISUAL DISTURBANCE

(N=30)

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



PRESENCE OF VISUAL DISTURBANCE





PATIENT SATISFACTION

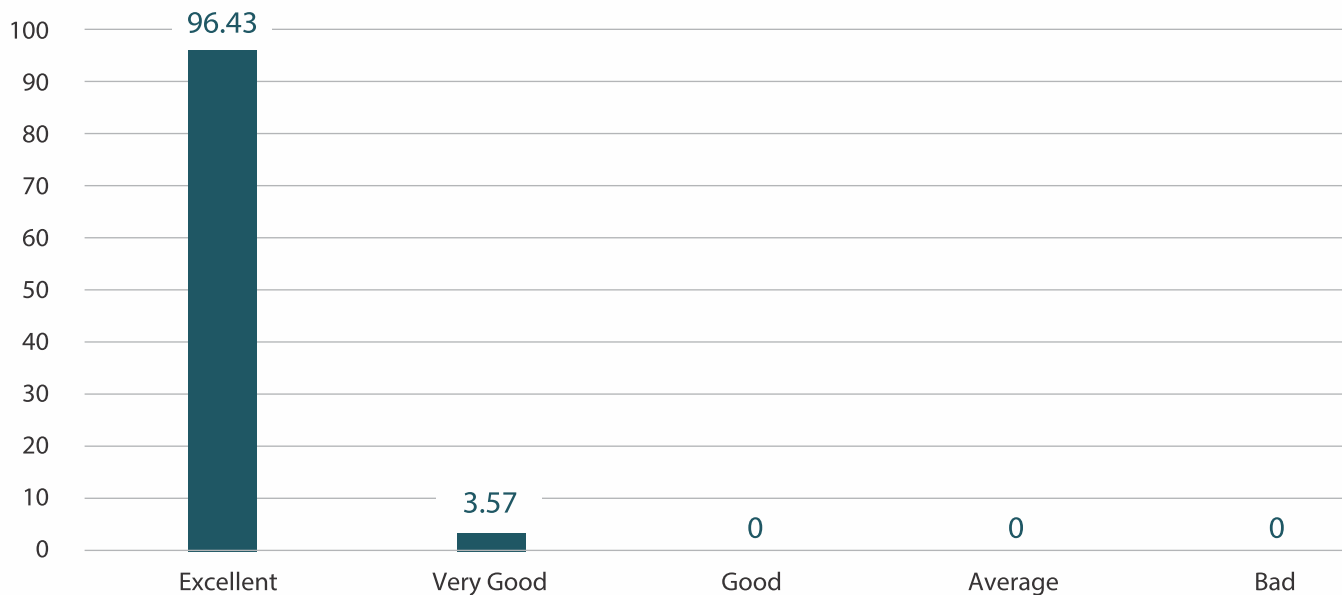
DISTANCE (N=30)

100%

of subjects exhibit excellent and very good satisfaction for distance vision

FAR DISTANCE

% of Eyes



■ At far distance

PATIENT SATISFACTION

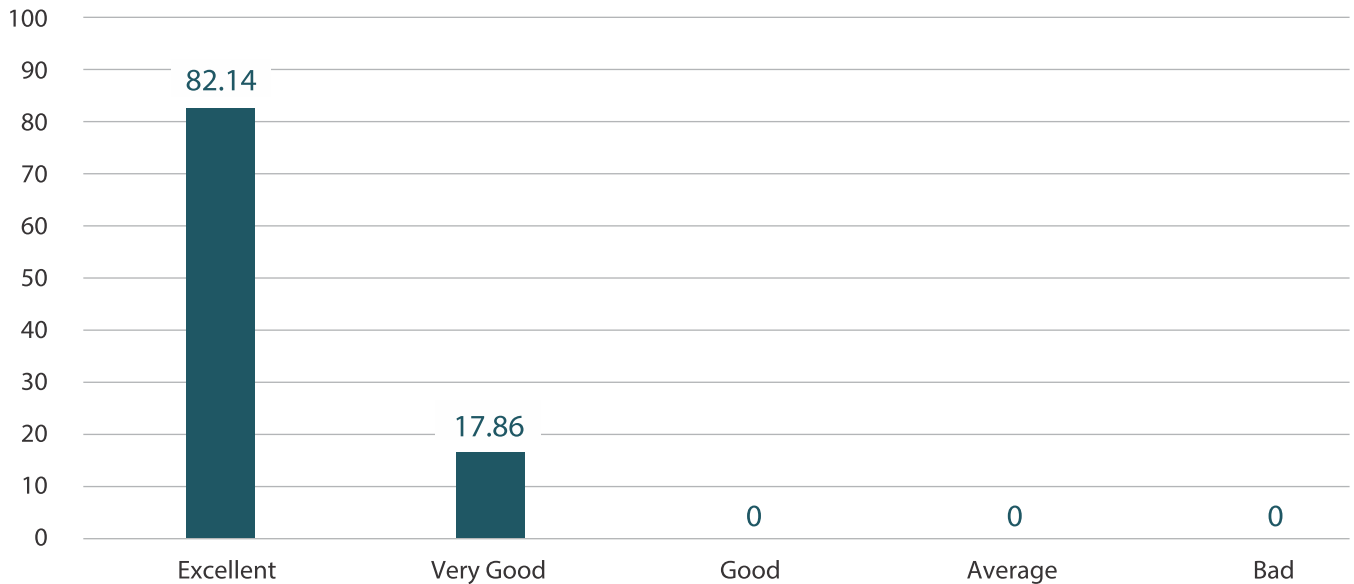
INTERMEDIATE (N=30)

100%

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

INTERMEDIATE DISTANCE

% of Eyes



■ Intermediate distance

PATIENT SATISFACTION

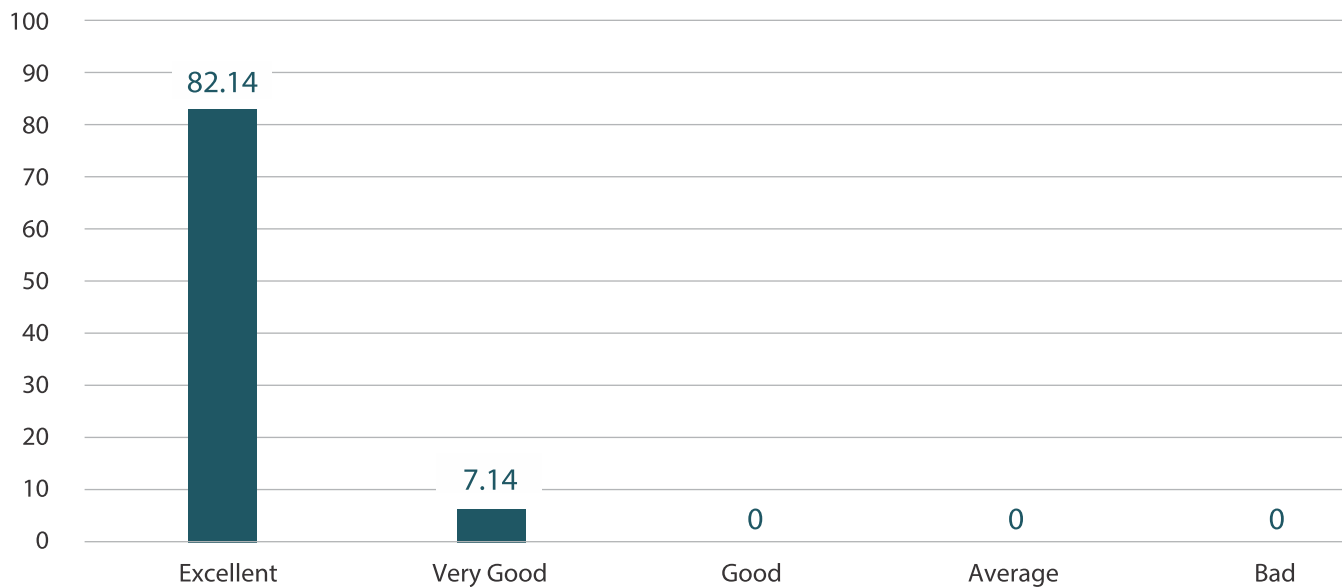
NEAR (N=30)

100%

of subjects exhibit excellent to good satisfaction for near distance vision

NEAR DISTANCE

% of Eyes



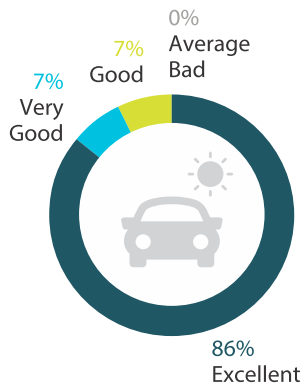
■ Near distance

PATIENTS' DAILY LIFE EXPERIENCE

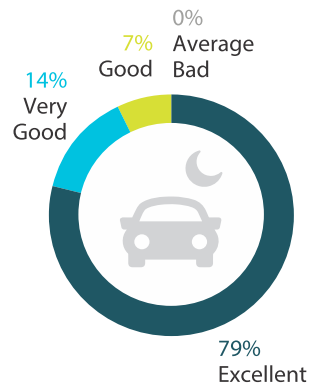
(90 DAYS) (N=30)

Patients are happy with their day to day activities.

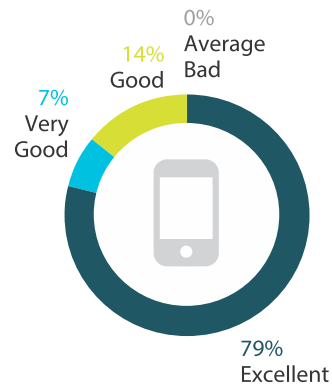
DRIVING AT DAY



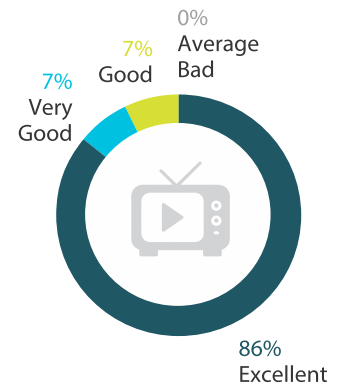
DRIVING AT NIGHT



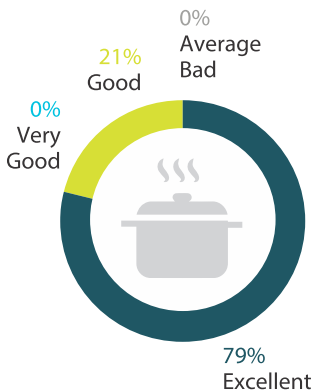
USING MOBILE PHONE



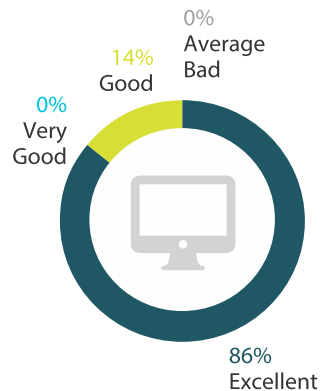
WATCHING TELEVISION



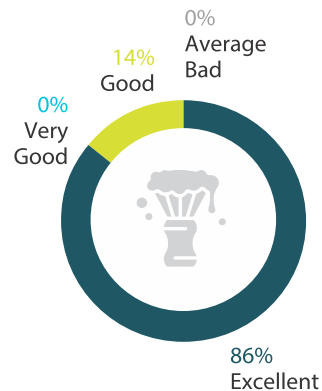
COOKING



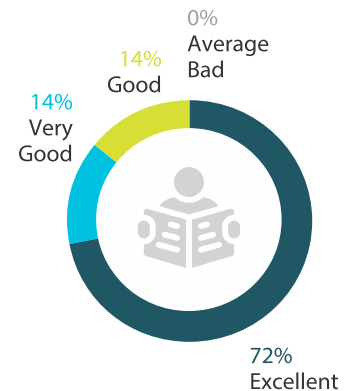
USING COMPUTER



SHAVING/MAKEUP



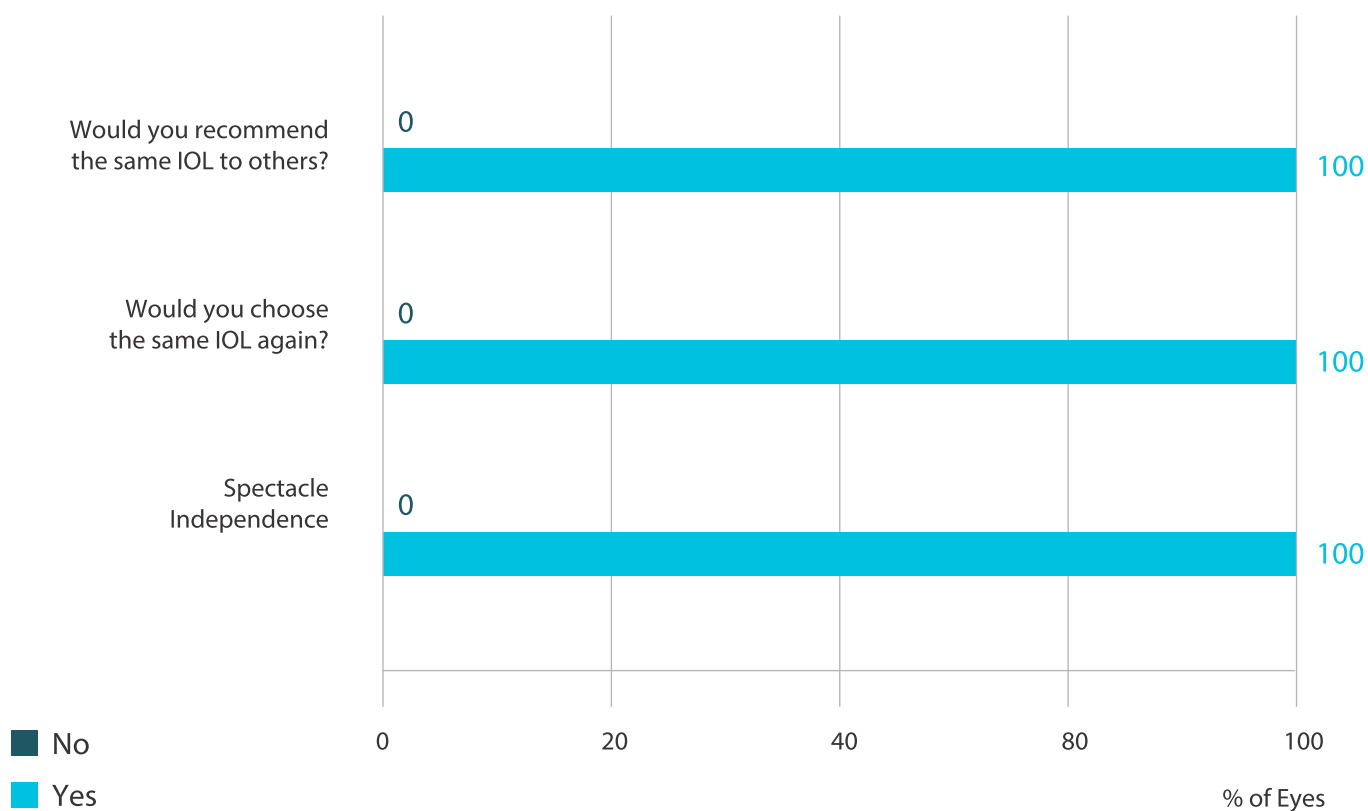
READING NEWSPAPER



PATIENT FEEDBACK

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

FEEDBACK



TECHNICAL SPECIFICATIONS

MODEL	LMF20E	LMF20ET
MATERIAL	Hydrophobic Acrylic Containing Natural Yellow Chromophore	
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	1.524	
RECOMMENDED ULTRASOUND A - CONSTANT	SRK-T 119.00	
RECOMMENDED OPTICAL A - CONTACTS	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	AT CORNEAL PLANE	
LMF20ET	CYL D: 1.00 D	1.00 D	0.68 D	0.25 D to 0.86 D
	CYL D: 1.50 D	1.50 D	1.03 D	0.87 D to 1.25 D
	CYL D: 2.25 D	2.25 D	1.54 D	1.26 D to 1.75 D
	CYL D: 3.00 D	3.00 D	2.05 D	1.76 D to 2.25 D
	CYL D: 3.75 D	3.75 D	2.57 D	2.26 D to 2.75 D
	CYL D: 4.50 D	4.50 D	3.08 D	2.76 D to 3.25 D
	CYL D: 5.25 D	5.25 D	3.60 D	3.26 D to 3.75 D
	CYL D: 6.00 D	6.00 D	4.11 D	3.76 D and above



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