

# **The One Step Refractive Solution**

for Myopia, Hyperopia and Presbyopia with Astigmatism Correction

Precise | Safe | Reversible



IMPLANTABLE PHAKIC Contact Lens



## The One Step Refractive Solution for Myopia, Hyperopia and Presbyopia with Astigmatism Correction



#### **IPCL V2.0 Monofocal**

- For Myopia and Hyperopia Correction
- Central Hole
- Aberration Controlled Optic
- No Light Scattering

#### **IPCL V2.0 Toric**

- For Myopia and Hyperopia with Astigmatism Correction
- Central Hole
- Aberration Controlled Optic
- No Light Scattering
- · Smart Toric Design
- No Rotation

## **IPCL V2.0 Presbyopic**

- For Presbyopia Correction
- Trifocal Optic (For Near, Intermediate & Far Vision)
- · Central Hole
- Aberration Controlled Optic
- · No Light Scattering

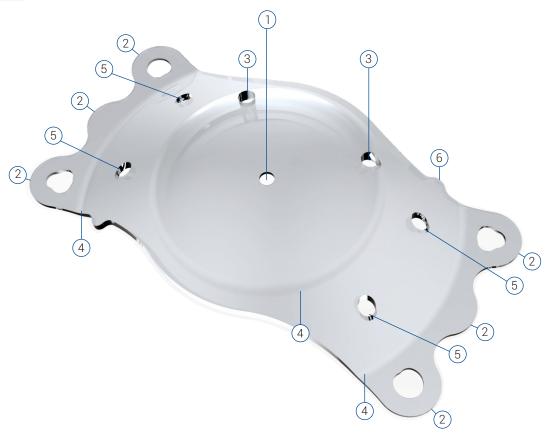
#### **IPCL V2.0 Presbyopic Toric**

- For Presbyopia with Astigmatism Correction
- Trifocal Optic (For Near, Intermediate & Far Vision)
- Central Hole
- Aberration Controlled Optic
- · No Light Scattering
- Smart Toric Design
- No Rotation
- Depending up on the patient's condition and the accommodation capacity of the lens, personalized solution can be offered for any particular patient.
- The lens has a patented refractive-diffractive trifocal design, ensuring good vision at far, intermediate and near focuses.
- · With the choice of different near vision additions, adaptation to the accommodation capacity and the condition of the patient is possible.
- Over 2000 implantations of the presbyopic IPCL V2.0 worldwide.





## IPCL V2.0 innovative design



- 1 Central Conical Hole
- 4 Smooth Edge

- (2) Haptic Pads
- 5 Optic Haptic Holes

- 3 Optical Margin Holes
- (6) Upper Right Notch
- Innovative central conical hole design to optimize aqueous flow and minimize light scattering and disturbances.
- Innovative 3 Haptic Pad Design for better stability in sulcus. 2
- Innovative spring haptic pads for more accurate white to white sizing. Angled optic haptic ensures optimal distance (vaulting) from the natural lens. (2)
- Optical Margin Holes ensures uninterrupted anterior chamber aqueous flow. The holes are in an upper position in order to avoid light reflexes or scattering. 3
- Lenses are uniquely designed with ultra smooth edges which have been thinned to eliminate Iris Pigmentation. 4
- The four optic haptic holes are designed to provide additional aqueous flow to reduce IOP. (5)
- Haptic markings and notches aid orientation during lens positioning and loading of the lens in the cartridge. (3) (6)

Flexible Haptic Pads













IPCL V2.0 Visual Correction offering the highest quality

#### **Performance**

- · High quality vision correction
- Invisible in the eye
- Preservation of accommodation capacity
- No corneal tissue removed
- High-level long-term stability
- No regression
- Preservation of corneal asphericity

## The Key to Success

- Patient selection
- Accurate eye measurements
- Patient counselling
- Training of practice personnel
- Counsellor of surgeons, OR- and practice personnel

## Why Use IPCL V2.0?

- Simple user friendly Injection system
- Extensive diopter range
- Rapid recovery
- Unique presbyopic model available
- Predictable and reliable results
- High level of patient satisfaction
- · No induced dry eyes
- Suitable for all types of corneas inlcluding thin corneas
- Attractive solution for patients who are highly myopic and presbyopic

## **Main Properties**

- · Outstanding depth of focus
- Best contrast vision possible
- No induced spherical or chromatic aberration
- · Correction of astigmatism and presbyopia
- Broad range of individual solutions for all kinds of visual defects

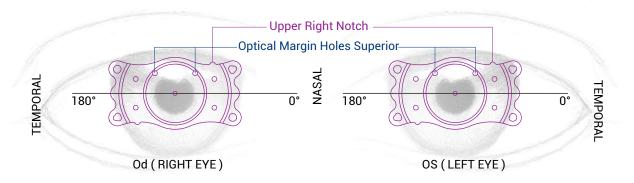




#### **IPCL V2.0 features**

- IPCL V2.0 is a hydrophilic, one-piece implantable posterior chamber lens which can be implanted through a 2.8 mm incision.
- The lenses are manufactured from a hybrid hydrophilic acrylic biocompatible material with proven long term safety results.
- Largest dioptric range available on the market, customization up to -30 diopters.
- All IPCL V2.0 lenses are aspheric and available for myopia, hyperopia, presbyopia with astigmatism correction.
- Smart Toric IPCL V2.0 design is customized for every lens on 0° 180° axis placement, only reference marking required and no rotation needed.
- Customized larger optics are available up to 7.25 mm.
- The unique patented refractive diffractive trifocal optic has an effective light transmission.
- IPCL V2.0 provides excellent contrast sensitivity.

## **IPCL V2.0 Position Inside the Eye**



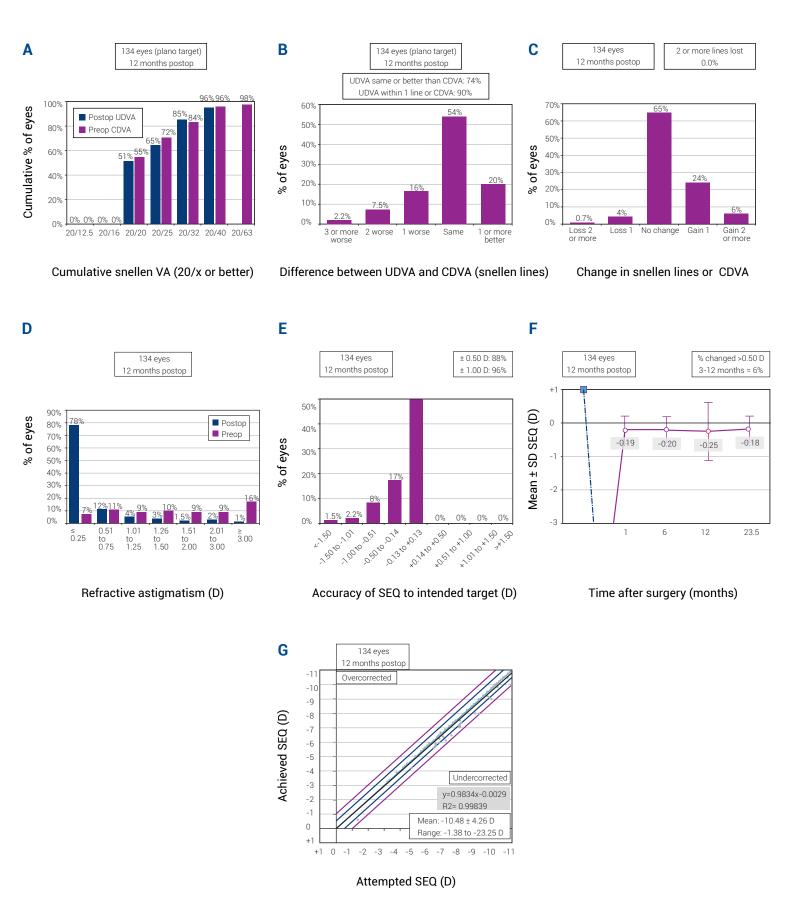
#### REFERENCES

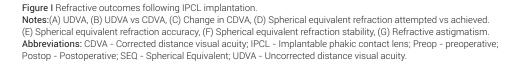
- Refractive and visual outcomes with diffractive posterior chamber implantable phakic contact lens (IPCL) for presbyopia treatment: one year follow up. M tomita, Japan, MD, Minoru Tomita Eye Clinic, Tokyo, Japan.
- A new implantable phakic intraocular lens ( IPCL ): a preliminary report. S. Patwardhan, India. Nandadeep Eye Hospital and Institute, Sangli, Maharashtra, India.
- IPCL (Implantable phakic contact lens) results in refractive correction of myopic and hypermetropic eyes. J Thind, India. Thind Eye Hospital, Jalandhar, Punjab, India.





## Long-term safety of posterior chamber IPCL for the correction of myopia

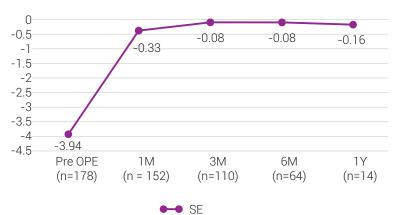




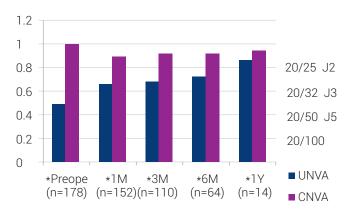




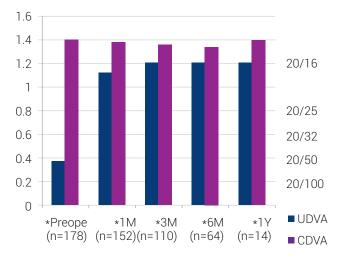
#### One year clinical outcomes of presbyopia patients using Presbyopic IPCL.



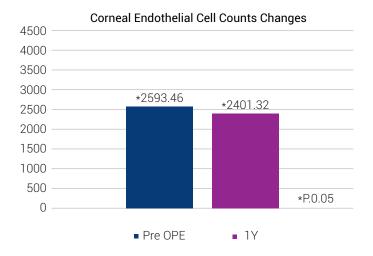
Refraction was significantly improved after surgery



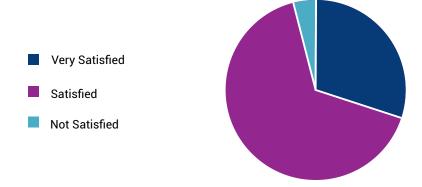
UNVA significantly improved from J5 preoperatively to J2 at 1 year postoperative.



Mean of UDVA significantly improved from 20/54 preoperatively to 20/20 at 1 year postoperative.



There was no significant difference in the endothelial cell counts between preoperative and 1 year postoperative.



96% of patients were satisfied after the surgery, only 4% were unsatisfied.





	*Doctor	's Name :			*Patient's Name :		
IPCL V2.0 DATA SHEET	*Hospital & Cit	y Name :			*Patient's id :		
	*	Email ID :			*Date of Birth :		
	*Data Added By (Name) :						
	*Operative Eye  *Right (OD)  *Left (OS)	Refraction	*Spherical	*Cylinder	*Axis	*Addition	*BCVA
	Keratometry	K2(Steep)	Axis	*ACD from Endo	Axial Ler Opt: US:	ngth(mm)	*SIA
	W to W	Digital	Optical	IOL Mast	Orb	Scan	S to S
	IPCL* SELECTION SPHERICAL TORIC PRESBYOPIC PRESBYOPIC-TORIC						
			Calculated Powers			Residual Powers	
<b>^</b>	IPCI* Modo		Calculo	ited Powers		Residu	al Powers
PCL V	IPCL* Mode	Spherical	Calculo Cylinder	ated Powers Axis	Addition	Residu Spherical	al Powers  Cylinder
IPCL V	IPCL* Mode	Spherical			Addition		
IPCL V	IPCL* Mode	Spherical			Addition		
IPCL V	IPCL* Mode	Spherical  Control  C			Addition		
IPCL V	IPCL* Mode	Spherical  O°	Cylinder  Disclaimer: The IPCL L used in conjunction measurements. We have own independent def	ens Calculator will assist with a comprehensiv vet aken utmost care to erminations regarding t	physicians in selecting the ophthalmic examina give the best result. The he proper treatment for	Spherical  The appropriate IOL for a strict of the appropriate Physicians who use the control of the appropriate IOL for a strict of the control of the appropriate IOL for a strict of the appropriate IOL for a	Cylinder  patient. It is intended to be idee diagnostic tests and alculator must arrive at their up is not responsible for any

IPCL V2.0 technical characteristics	Materials	: Hybrid Hydrophilic Acrylic			
	Overall Diameter	: 11.00 mm to 14.00 mm ( in 0.25 mm steps )			
	Optical Diameter	: 6.6 mm			
	Clear Optic	: 5.5 mm to 4.6 mm			
	Refractive index	: 1.465			
	Abbe number	: 60			
	Vault height	: 1.20 mm to 1.75 mm			
	Standard diopter range	: -0.5 D to -22 D Myopia and +0.5 D to +6 D Hyperopia ( in 0.5 D increments )			
	Custom diopter range	-22.5 D to -30 D Myopia and +6.5 D to +15 D Hyperopia ( in 0.5 D increments )			
	Standard cylinder range	: +1.0 D to +6.0 D ( in 0.5 D increments )			
	Custom cylinder range	: +6.5 D to +10 D ( in 0.5 D increments )			
	Presbyopic Addition	: +1.0 D to +4.0 D (in 0.5 D increments)			
	Incision size	: 2.8 mm			
	Sterilization Method	: Steam			



## CAREGROUP SIGHT SOLUTION PRIVATE LIMITED

Block No.: 310/C&E, Village Dabhasa, Taluka - Padra, Dist. Vadodara - 391 440, Gujarat, India. Customercare@caregroupiol.com

