

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

- 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 Presbyopic

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

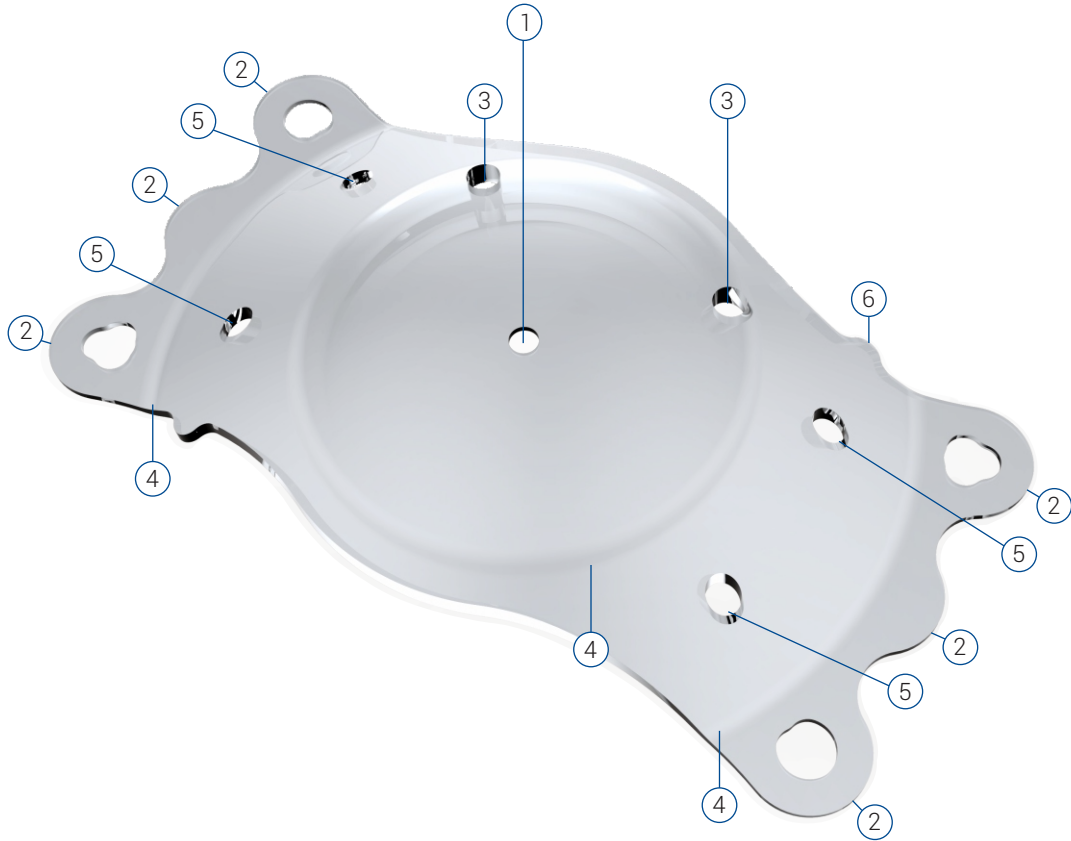
IPCL V2.0 Presbyopic Toric

- 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

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IPCL V2.0 innovative design



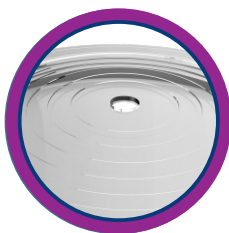
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|------------------------|----------------------|------------------------|
| ① Central Conical Hole | ② Haptic Pads | ③ Optical Margin Holes |
| ④ Smooth Edge | ⑤ Optic Haptic Holes | ⑥ Upper Right Notch |

- Innovative central conical hole design to optimize aqueous flow and minimize light scattering and disturbances. ①
- 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



Central Conical Hole



Superior Margin Hole



Upper Right Notch





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 including 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

Note - IPCL V2.0 is currently being implanted in more than twenty four countries around the world

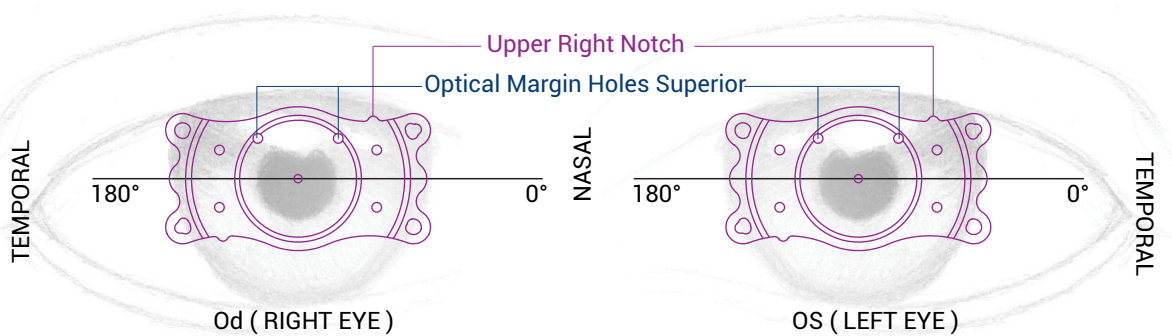




IPCL V2.0 features

- 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

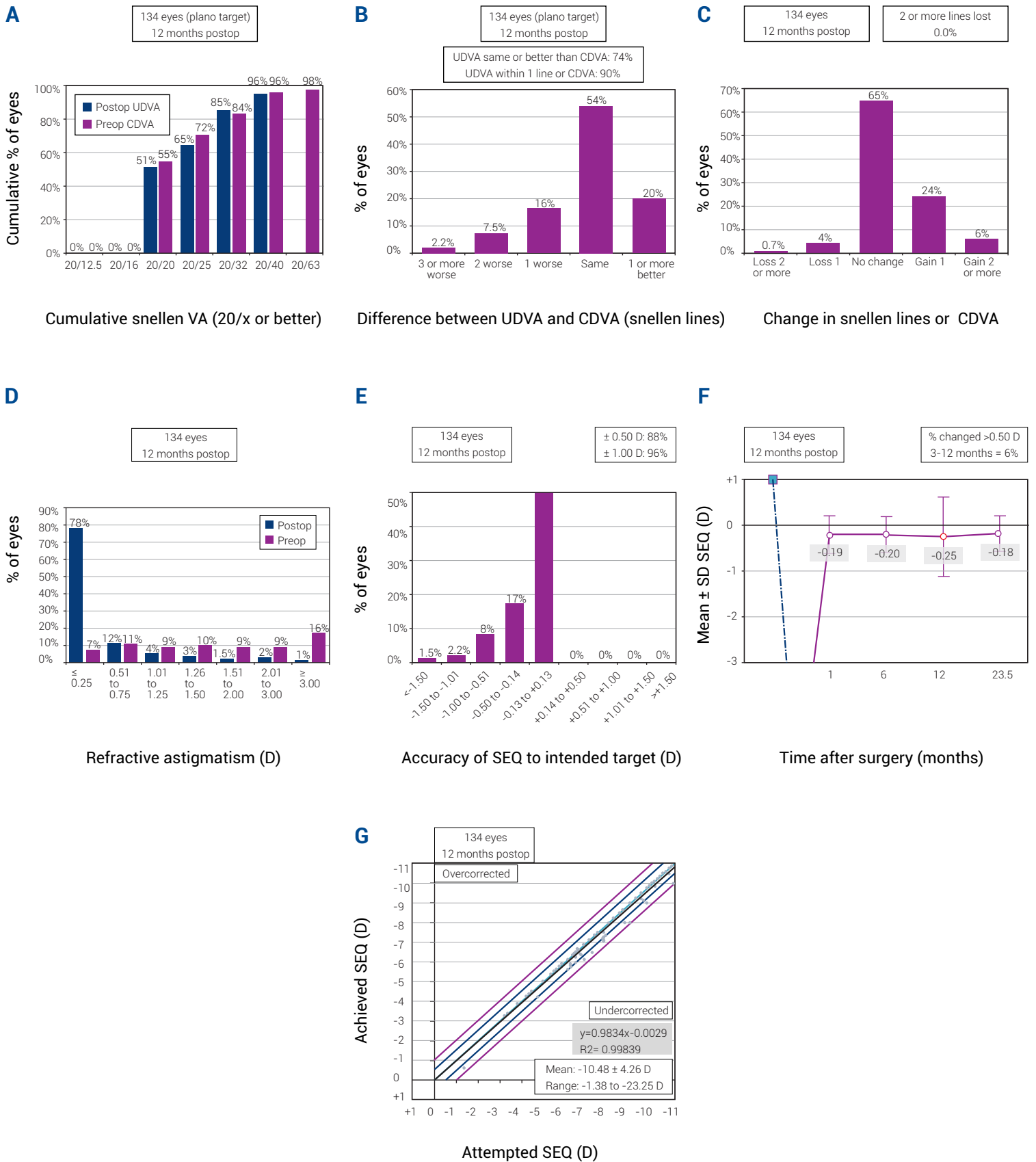


Figure 1 Refractive outcomes following IPCL implantation.

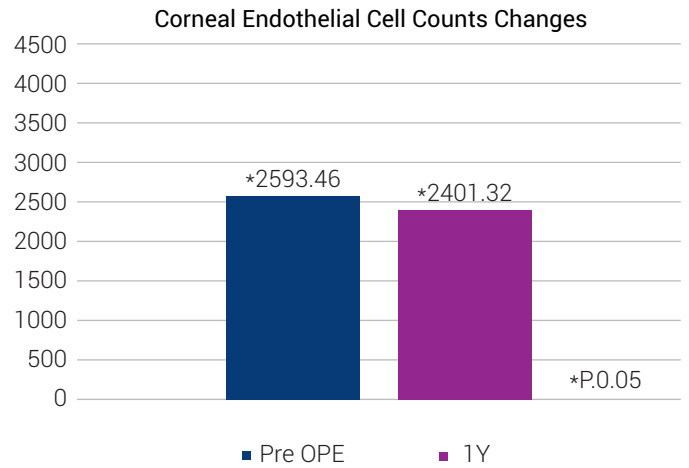
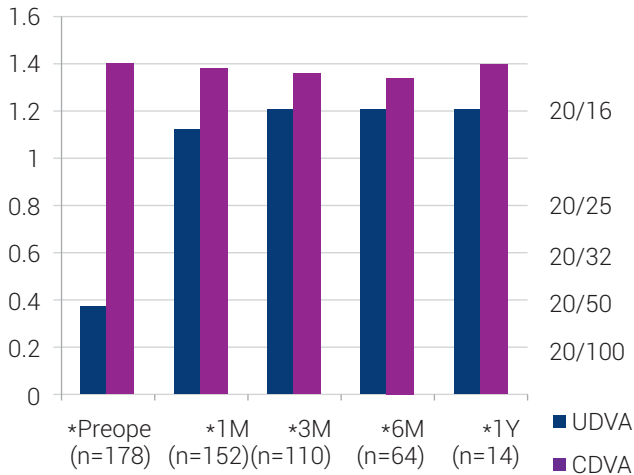
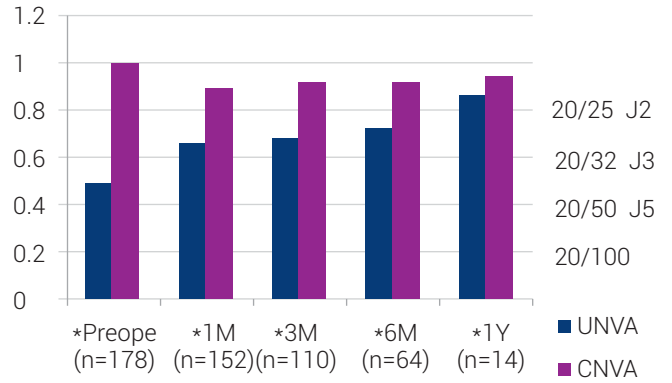
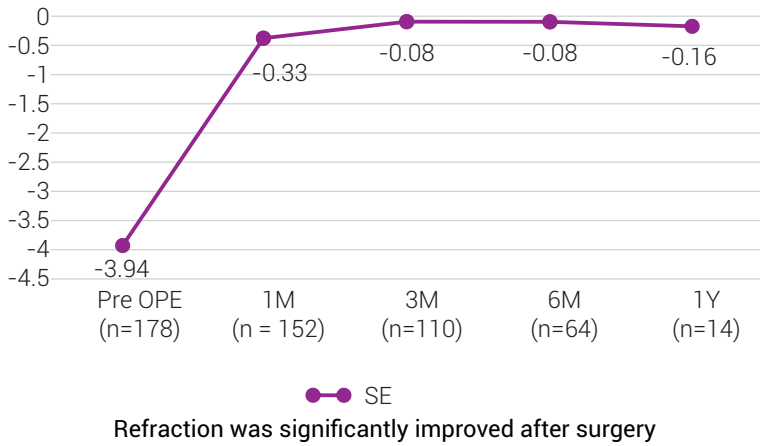
Notes: (A) UDVA, (B) UDVA vs CDVA, (C) Change in CDVA, (D) Spherical equivalent refraction attempted vs achieved.

(E) Spherical equivalent refraction accuracy, (F) Spherical equivalent refraction stability, (G) Refractive astigmatism.

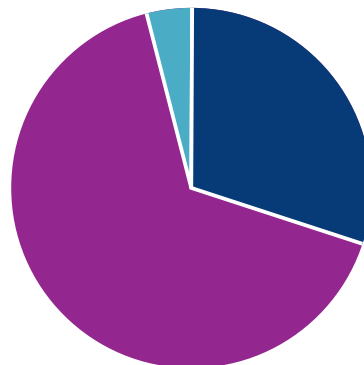
Abbreviations: CDVA - Corrected distance visual acuity; IPCL - Implantable phakic contact lens; Preop - preoperative; Postop - Postoperative; SEQ - Spherical Equivalent; UDVA - Uncorrected distance visual acuity.



One year clinical outcomes of presbyopia patients using Presbyopic IPCL.



- Very Satisfied
- Satisfied
- Not Satisfied



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



