

Aspheric



**Preziol** Multifocal

Intraocular Lens

Enhanced Contrast

## Monofocal



*Why settle for less ??*

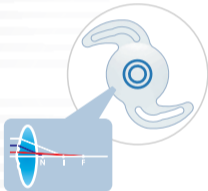
*Get the Preziol advantage*

## Multifocal





The Aspheric **PrezioI Multifocal IOL** works on **Refractive Multifocal Technology**, which offers patients a continuous range of focus through distance, intermediate and near vision thereby increasing the amplitude of functional vision. Our multifocal lens is optically designed using state of the art Ray Tracing Technology.



### Three Optical Zones

- Central Zone for Distant Vision with base Refractive Power and has diameter of 1.5 mm.
- Second Zone for Near Vision and added +4D with diameter of 2.5 mm.
- Peripheral Zone for Intermediate Vision and added +1D over Central Zone.



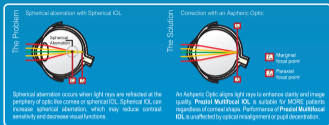
Our lenses are manufactured in-house and are the finest quality available. We utilize the best technology in our lathe and milling machines. Our machinery have been imported from world class sub micron machine manufacturers.

Care group has the equipments working with sub micron accuracies. This means better lens surfaces, optic and accurate power of lens. Testing equipment like the Laser Interferometer helps enhance the quality of the products.

**All lenses are designed using the latest in Ray Tracing Technology.**

**100% inspection of all the lens parameters delivers a flawless product.**

The Aspheric design of Preziol Multifocal IOL reduces spherical aberration to provide improved image quality.



## How Best to use this tool

The results of our clinical investigation on the Aspheric Preziol IOLs show that the patients implanted with this IOL greatly satisfied with vision. They are comfortable with the visual outcome and happy with the fact that dependence on spectacles has reduced. Prior to offering it to the patients the doctor has to plan for the special effort it entails. Our clinical investigation team has conducted detailed studies on how best to utilize our multifocal lens and have suggested the following.

### 1 Patient Selection Criteria

Preziol Multifocal IOL has been demonstrated specific suitability in normal myopic and hyperopic patient.

Patient should be free from followings:

- Amblyopia
- Glaucoma
- Previous Operations
- Pre operative Astigmatism  $>1.5$  D
- Retinal Pathology
- Congenial Cataract
- Squint
- Macular Diseases

### 2 Through counseling of patients

The counselor must counsel patients & attendant to whom they offer the Preziol Multifocal IOL.

The foremost goal of counseling is to ensure that the patient has reasonable expectation of outcome.

For this, make the patient aware of that he/she may need glasses after the procedure.

The typical patient achieves excellent at distance & near vision.

Also it is advisable to tell the patient that there is some risk involved with multifocal IOLs.

As with refractive surgery, not all patients respond favorably to the vision they receive with the lens.

### 3 IOL Power calculation

Take care about following while calculating the IOL power:

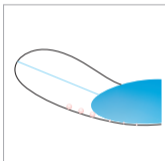
- Keratometry
- Biometry
- Water immersion should be used
- Formula depends on Axial Length
- Aim Emmetropia & Astigmatism  $< 1.0$  D
- A-Cosnt. & ACD (Surgeon Factors)
- Personalize A-Constant to get predictable refractive results.



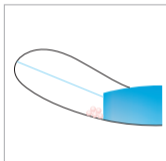
Material:	CQ. UV. Acrylic
Optic Size:	6.0 mm
Overall Length:	12.5 mm
A Constant:	118
Water Content:	25%
Refractive Index:	1.467
UV Blocking:	390 nm



Material:	CQ. UV. PMMA
Optic Size:	5.25 mm / 6.00 mm
Overall Length:	12.5 mm
A Constant:	118.2
Water Content:	Modified C
Refractive Index:	1.49



Other Acrylic IOL's Round Edge allows the migration of Lens Epithelial Cells (LEC)



Preziol Multifocal's 360° Square Edge inhibits the migration of Lens Epithelial Cells (LEC)

## Features

- Aberration Neutral
- With 360° Square Edge, the Aspheric Preziol Multifocal has a continuous barrier unlike other Acrylic IOLs.
- The lens design ensures smooth insertion and proper Centeration & Stability.
- UV blocker incorporated material ensures adequate UV protection.
- Optic is Yag Laser friendly.
- Non Ionic nature of material ensures resistance to deposits thus lowering the incidence of Posterior Capsular Opacification (PCO).



An ISO 9001 : 2000 Company

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