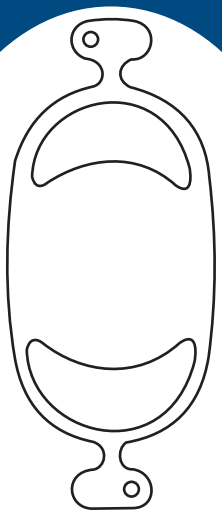
Innovation by Dr. Shah & Dr. Rana

Self Sustaining "Scleral Tuck IOL"



SPECIFICATION

Lens Type	Acrylic Lens
Length	14.00 mm
Width	6.50 mm
Haptic Angle	0/5°
A Constant	118.2
Position Holes	2
Patent No	300264

4 DIFFRENT PARTS

FLIPPER

- Major innovative idea and a crucial part in design of the lens.
- Meant to come out of 20 gauges Sclerotomy and saty out in scleral pockets.
- Thick and partially rigid to stay out of sclerotomy permanently.
- It has an i-let by which we can engage the flipper with 20 gauge vitreous forceps and it can also be used at the time of uncertainty to suture it on sclera.
- Flipper is larger than 20 gauge sclerotomy. so once it is out, it can't go back in and before closing it should be checked twice that flipper is completely out.

NECK

- It is meant to stay at sclerotomy port.
- It is a bit smaller than the size of 20 gauge.
- It is quite stretchable and is helpful in placement of flipper and also at the time of checking position of the flipper.
- It is transition between flipper and haptic.
- It is stretchable and gives strength & support to the whole lens.

HAPTICS

- Stretchable and can take shape accordingly.
- Haptic in this lens are 4 point fixated and not like conventional lenes with 2 point fixation.
- Due to 4 point fixation, it is highly stable and pseudophacodonesis is very minimal.

OPTIC

- 6mm in size, which is large enough to cover even a mesopic pupil & even a case of misalignment of sclerotomies as well.
- It is foldable and can be easily inserted from phaco main port.

ADVANTAGES

- No Suture, No Glue, Self Sustaining : This a major Breakthrough in surgical implantation of scleral fixated IOLs. As name says, it is self-sustaining. There is no need of non-reusable materials like suture or glue.
- Simple in design.
- Easy to implant.
- Foldable : It can be implanted from clear corneal phaco main port also.
- Minimal Learning Curve : Any one with knowledge of anterior vitrectomy can do it.
- No need of sutures or glue, so it is cost effective.
- Larger Optic : Which is large enough to cover even a mesopic pupil & even in a case of misalignment of sclerotomies.
- Heptics have 4 point fixations, so minimal pseudophacodonesis.
- Flipper is rigid to stay in the position for longer time.
- Less surgical time, less corneal damage, hence good post op out come.



This lens is very cost effective having great result with minimal learning curve. We are thankful to OMNI Lens for extending their support to develop new design lens for scleral fixation.

Dr. Mehul Shah

Director of Drashti Nethralaya Eye Hospital, Dahod (Gujarat)



Its innovation of century. All scleral fixated IOLs are modification of normal PMMA IOLs. RaSS STIOL is totally new design specifically made for scleral fixation without glue or sutures. It gives excellent stability with minimal time and has smallest learning curve.

Dr. Parth Rana

Director of Netralaya Super Speciality Eye Care Hospital, Ahmedabad

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