CENTRE FOR SIGHT

Your guide to Intracorneal Rings

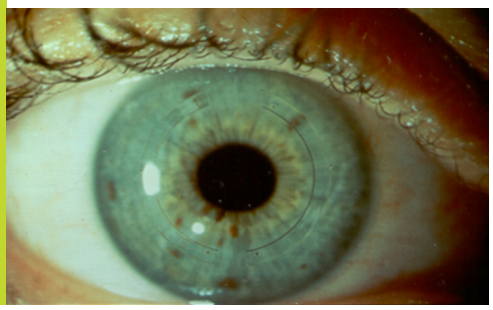
What are Intracorneal rings?

The INTACS or FERRARA intracorneal rings are micro-thin inserts of varying thicknesses composed of a special clear, biocompatible plastic that has been safely used in contact lenses and cataract surgery for more than fifty years.

The rings are designed to reinforce the cornea and reshape the surface of the eye, reducing the size and improving the shape of the cone. By improving the shape of the cone, patients suffering from keratoconus can improve the fit of their contact lenses, achieving improved visual acuity. In some cases, the vision may improve enough to allow usable vision without contact lenses.

Intracorneal rings are perfectly tolerated by the eye and there is no risk of rejection. Use of these rings may improve the structual integrity of the eye, and avert the requirement of a corneal graft which is more of a major operative procedure.

What are the indications for the Intacs implant?



Intacs implant in an eye

1. Moderate myopia (shortsightedness).
2. Morate to severe Keratoconus

Although developed for low myopia (shortsightedness), the device is mostly used for keratoconic patients of any age with an evolving condition and intolerance to contact lenses or with sharp distortions in the corneal shape, which can occur after corneal transplants.

The Centre for Sight Difference - Intralase implantation of Intacs and Ferrara rings

Unlike most centres, Centre for Sight uses the highly precise Intralase Femtosecond laser. This ensures very accurate placement of the channels maximising effect and reducing risks of complications. Centre for Sight doctors have modified the procedure with the Intralase laser and have demonstrated significantly better outcomes which have been presented internationally.

You may also find the following documents of interest:

What is... Keratoconus?

Your guide to CXL

Your guide to Corneal Transplants

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