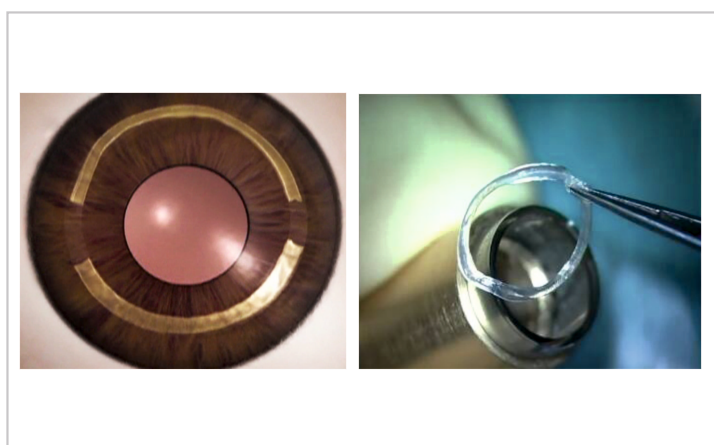


Trephine Punch Vacuum (CAIRS)

The Jacob CAIRS Trephine is a double blade trephine used to create allogenic donor tissue ring of desired thickness for making the Corneal Allogenic Intrastromal Ring Segments (CAIRS). These segments are used in the CAIRS procedure. CAIRS has been successfully used in patients with keratoconus globally. This surgical approach is aimed primarily at flattening the cone (ectatic cornea) and regularizing the topography thereby improving vision. In the CAIRS procedure, instead of using plastic ring segments, donor corneal tissue strips are inserted intrastromally into the mid-peripheral recipient cornea making the procedure safer than synthetic segments while also allowing it to be performed in a much wider spectrum of patients ranging from mild to very steep and very thin corneas where synthetic segments are not possible.

Cutting action of the Trephine Punch is assisted by a manual vacuum mechanism, which holds the cornea firmly in place while the cutting is being performed.



Product Description

Product Code	Description	Qty. per box (Sterile)
MIPL/C4/02/6.50-8.00	Diameter of inner blade - 6.50 mm Diameter of outer blade - 8.00 mm	1 Pc.
MIPL/C4/02/7.25-9.50	Diameter of inner blade - 7.25 mm Diameter of outer blade - 9.50 mm	1 Pc.
MIPL/C4/02/7.75-8.75	Diameter of inner blade - 7.75 mm Diameter of outer blade - 8.75 mm	1 Pc.
MIPL/C4/02/8.00-9.50	Diameter of inner blade - 8.00 mm Diameter of outer blade - 9.50 mm	1 Pc.

Features

- This device features ultra sharp trephine blade mounted in a white nylon housing with four stainless steel guide pins
- A cutting block base with four corresponding holes helps in automatic centering of the trephine blade over the donor corneal tissue
- A spring based syringe system (to create the vacuum) is attached to the cutting block base through a silicone tubing

- A blue nylon spacer ring is provided to prevent trephine blade edge getting damaged during transportation and storage
- A seating ring housing with four stainless steel guide pins is provided to make sure that the cornea is in complete contact with the cutting block white base while creating a vacuum
- See through design helps in accurate positioning
- Designed to give a consistently accurate, uniform and perpendicular cut
- Individually packed and sealed in an inner blister and an outer peel open pouch
- CE Certified

Instructions for Use

The instructions for use and surgical procedure are supplied in the form of a leaflet with instructions given in diagram form where appropriate. The international symbols used on the packaging are also explained.

Sterilization

Products are sterilized through Ethylene Oxide (EO) according to a validated cycle.

Innovator of CAIRS Procedure and CAIRS Trephine

Dr. Soosan Jacob (MS. FRCS, DNB) is the innovator of this new procedure and the “Jacob CAIRS Trephine”. For more information on the CAIRS Procedure or the “Jacob CAIRS Trephine”, Dr. Soosan Jacob can be reached at Dr. Agarwal's Eye Hospital and Research Center, 222, TTK Road, Chennai 600 018, India.
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