

1) ARTIFICIAL EYES:-



The Artificial eye is fitted to replace the lost volume of the socket and to restore the natural appearance of the anterior segment ocular evisceration. It is made of acrylic and it can withstand time, climate or any other element that could affect the eye. It also readily adapts itself to the temperature of the socket.

The object of fitting an ocular prosthesis (artificial eye) is:-

- To maintain shape and the movement of the eyelid and for cosmetic purposes.
- To retain the tone of facial muscles and to prevent alteration of features.
- To prevent the foreign bodies from entering the ocular cavity.
- To prevent accumulation of the fluid in the cavity and to direct secretions to the proper channels.

AVAILABLE SIZES : Right & Left Section

20mm,22mm,24mm,26mm & 28mm.

2) COSMETIC SHELL:-

Cosmetic shell is used in case of disfigured eye only if there is no danger to the patient in the retention of the sightless eye. It is extensively used after evisceration. It is made of acrylic and it is lighter and thinner than the artificial eye.

There are two types of cosmetic shell:-

Cosmetic shell with transparent sclera.

This is used in the absence of iris or lack of iris pigmentation when the sclera portion of the eye is not damaged and only the iris is disfigured.



Cosmetic shell with opaque sclera.

This is used after evisceration when the sclera portion is damaged along with the iris portion.



AVAILABLE SIZES: Universal

22mm, 24mm, 26mm & 28mm.

3) CONFORMER:-



Conformers are used after enucleation to conform to the conjunctival sac fornices. They should adhere closely to the socket contour and fill the depth of the fornices without stretching them. Easy closure of the eyelid after the conformer slipped into place usually indicates proper fit. Most of the conformer have one, three and five drainage holes to allow mucoid discharge to escape and to facilitate the insertion of postoperative medication.

- Conformers are used in patients with chemotic prolapsing conjunctiva.
- They are used for prevention of cul-de-sacs following chemical burns traumatic avulsion of the conjunctiva.
- They are also used after insertion of certain implants with a pressure dressing to lessen edema.

AVAILABLE SIZES : Right & Left Section

20mm,22mm,24mm,26mm & 28mm.

4) OPEN FORNICES CONFORMER:-



Fornices conformers are also known as Symblepharon rings. They should be immediately inserted to prevent adhesions and shortening of the fornices and cul-de-sacs. These conformers reduce scarrings and keep the lids away from an irritable eye. This helps the patient feel more comfortable.

AVAILABLE SIZES: Universal

22mm, 24mm, 26mm & 28mm.

5) CASTROVEIJO IMPLANT:-



Castroveijo implant imparts motility to the prosthesis by acting as a smooth convex pivotal surface over which the artificial eye or cosmetic shell glides during shortening and lengthening of the fornices. Anteriorly, it has a central depression surrounded by four bridges. The four recti muscles are accommodated in the tunnels situated directly beneath the bridge and the end of the opposed muscles are sewn so as to overlap each other. The implant is completely

- It provides better motility and requires very little adjustment from the ocularist.
- It provides support for the artificial eyes and makes it look less sulken.
- It also serves to prevent bony deformity of the orbital wall. It also helps to maintain the normal size of the socket.

AVAILABLE SIZES:

13mm, 15mm, 17mm & 19mm.

6) SPERICAL IMPLANTS:-



Spherical implant is positioned within tenon's capsule without attachment to the orbital tissue. During the version movements, the fornices of the enucleated socket retracts and lengthens on the side towards the direction of the gaze because contraction of the muscle and tenon's layer occur on that side.

- It provides motility to the prosthesis.
- It generally prevents cause of pressure necrosis.

AVAILABLE SIZES:

12mm to 24 mm

7) EXOPHTHALOMETER :-



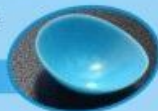
Single bar – It is made of transparent acrylic and a scale is engraved on one side of the bar. The groves of the instruments fits into the ocular bony margin of the orbit and it is held in a direction perpendicular to the transverse plane of the orbit and parallel to the visual axis.

Double bar-It is made of acrylic and has

two bars on the main shaft a scale is engraved on both the bars on only one side. This is used to measure the depth on the eye socket by fitting both the bars on the bony margin of the orbit and aligning them so as to get a precise measure of the socket.

The exophthalmometer is used to obtain an accurate estimate of the protrusion of the eyeball. It is also used to measure

the degree of prosthesis so that a suitable prosthesis can be fitted. Its application is application is external and hence there is no internal reaction or side effects.



8) CORNEAL PROTECTOR:

These are made specifically to protect the cornea while carrying out the procedure for eye lid surgeries. Corneal protectors are made up of PMMA material.

AVAILABLE SIZES: Universal

22mm, 24mm, 26mm & 28mm.



9) SUCTION PUMP: -

These are pumps which enable ease in handling of prosthesis or corneal shields while taking, placing or removing them from the patient cavity. This are made of silicon material.



10) ORBITAL SIZER :

We are introducing an enucleation & evisceration Eye orbital sizer kits which easily determines the proper size of the orbital implant or other ocular prosthesis.

These sizers are constructed of PMMA Material attached with a steel handle; there are five non sterile sizers in a set of orbital sizer.

AVAILABLE SIZES: Universal

14mm, 16mm, 18mm, 20mm & 22mm.

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