

Description:

Amniotic membrane inserter is meant to hold amniotic membrane and the whole assembly serves as a self-retaining ocular surface bandage. Auro AMserter consists of two elliptical rings. (AMI1 and AMI2). These rings are made from clinical Quality Poly methyl metha Acrylate (PMMA). Amniotic membrane is fastened in between these two rings and due to its larger elliptical shape, the device can reach up to the fornices of conjunctiva and it acts as bandage for the entire ocular surface.

Indications:

Amniotic membrane inserter along with amniotic membrane is intended to treat

1. Acute burns and inflammations of the eye including Stevens-johnson Syndrome.
2. In conjunction with other surgical procedures which require AM bandage
3. In certain corneal diseases like recurrent erosions of the cornea, persistent epithelial defects, non-healing SPK etc.

Amniotic membrane has a unique property of promoting scarless healing and also has anti-inflammatory properties.

Contraindications:

Auro AMserter should not be used in eyes with glaucoma drainage devices. Do not use the Auro AMSerter if the amniotic membrane is torn at any point as a symblepharon formation may make the inserter difficult to remove. Use only with intact AM

Precautions:

Do not autoclave the device before use.

Do not resterilize this device.

Do not use this device if the sterile packaging has been opened or damaged.

Do not store at temperature above 40°C (can be stored with AM attached at minus 20⁰ C for up to a month)

Adverse reactions:

The reuse of amniotic membrane inserter may cause cross contamination which may lead to microbial infection

Warnings:

If the patient cannot close the eyelid or cannot tolerate wearing Auro AMsereter, Surgeons should remove the device.

Advise patient to minimize contact with eye once device is placed on the ocular surface.

Assemble Auro AMserter rings with Amniotic membrane:

STEP 1

Open the AMI2 pack and take out AMI2 ring.



STEP 2

Place AMI2 ring on sterile table with the step of ring facing upwards.



STEP 3

Take Amniotic membrane and stretch it on the ring AMI2.



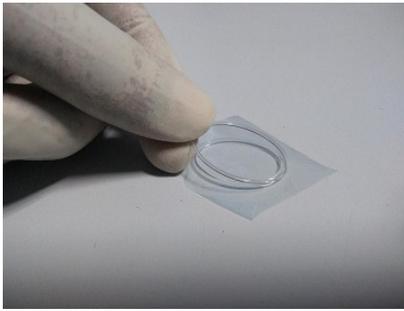
STEP 4

Now Open the AMI1 pack and take out AMI1 ring.



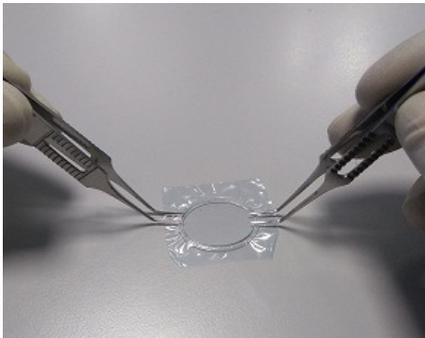
STEP 5

Place AMI1 on the step provided in AMI2.



STEP 6

Gently press with two forceps AMI1 to snap fit with AMI2.



STEP7

Cut the excess portion of the amniotic membrane along outer periphery of the ring. If you plan to fold the AM over the lids to cover the lid margins you should skip this step.



STEP 8

Now the assembled inserter along with membrane is ready to insert into eye. It can also be stored in the assembled form at minus 20⁰C for up to one month.



Insertion:

STEP1

Apply topical Anesthesia.

STEP2

Hold upper eyelid and instruct the patient to look down to get access to the upper conjunctival fornix

STEP3

Now insert the Auro AMserter in to the upper fornix.

STEP4

Pull lower eyelid and instruct patient to look slightly upwards to get access to the lower conjunctival fornix

STEP5

Insert remaining portion of inserter into lower fornix.

Step6

The inserter is self-retained within the upper conjunctival fornix and the lower conjunctival fornix.

STEP7

Apply Medications (as required)

Removal:

STEP1

Apply topical Anesthesia.

STEP2

Pull lower eyelid and take out the device from lower eyelid.

STEP3

Apply pressure on upper eyelid and remove the Auro AMserter device and dispose it.

If the Auro AMSerter is bound down by synechiaie you may have to cut the rings at the lateral and medial canthi and rotate the two pieces out.