

The Diabetic Dry Eye

Ophthalmological Society of Ghana

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Langone Health

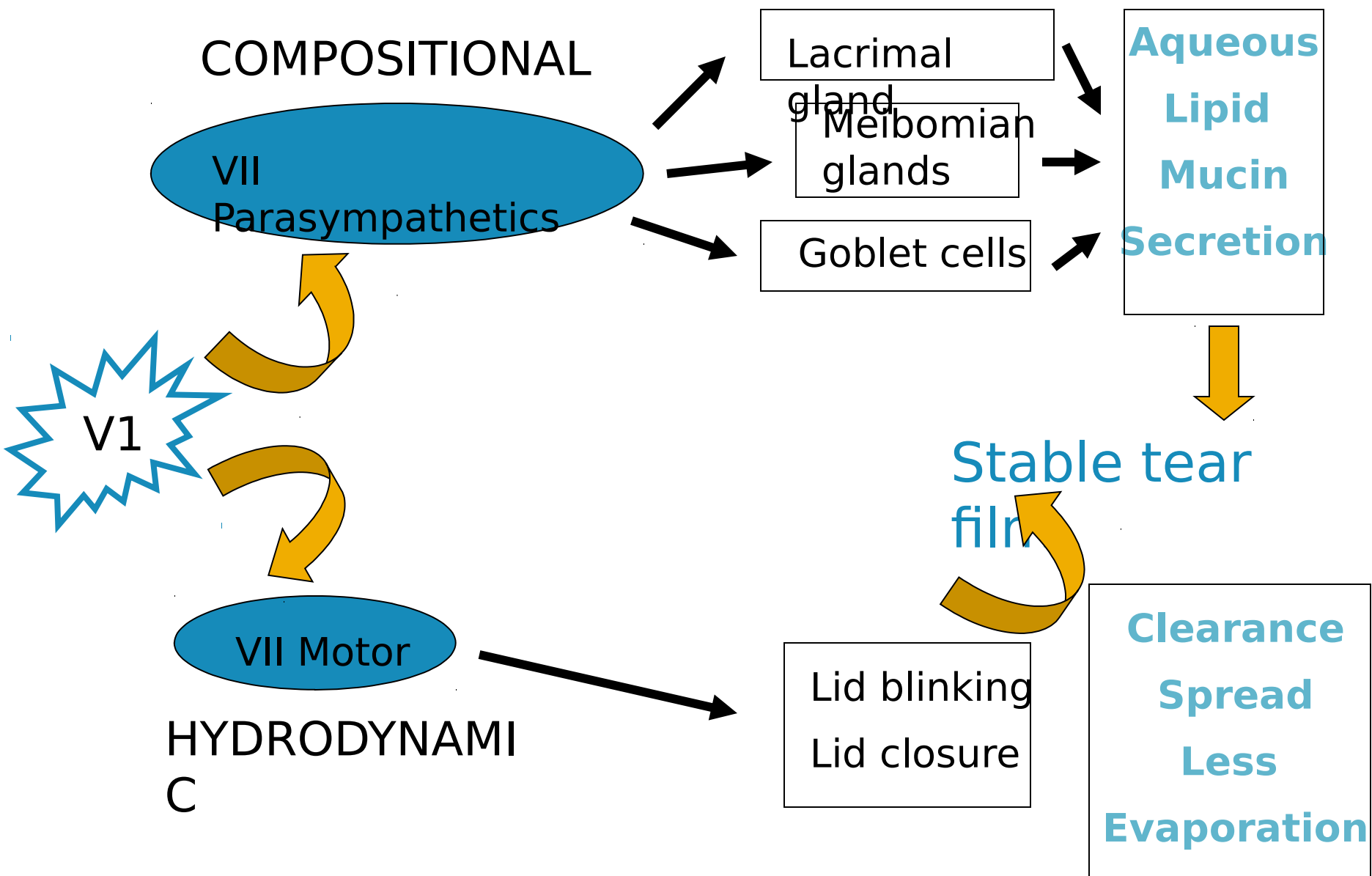
Eye Foundation of America, Secretary and Education

Coordinator

**No financial interests related
to this talk**

How do you approach a new patient...

- Exposure
- Medications
- Medical problems
- Lid margin
- Surface staining
- Blink rate
- Schirmer's
- FCT- basic tearing, reflex tearing, and tear clearance



Quick to treat

- Waiting is often the worst thing
- Central exposure is the greatest danger
- Can progress very quickly



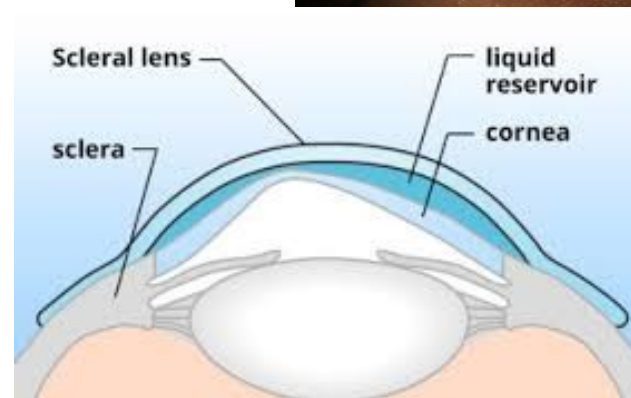
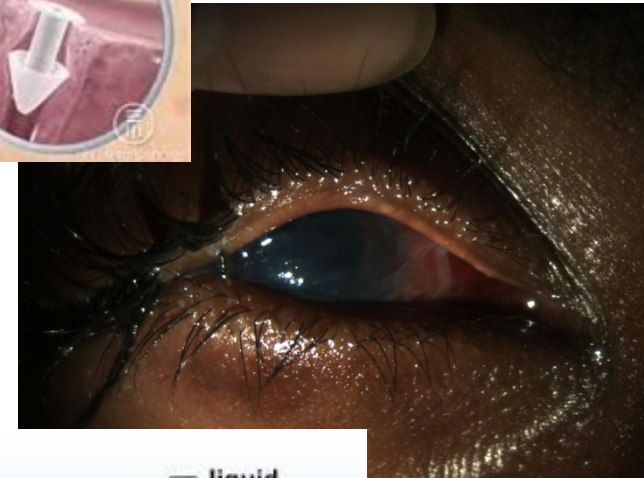
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Neurotrophic keratopathy

- Infectious
 - HSV, HZV, M. leprae
- Toxic
 - Acid, Alkali
- Neurogenic
 - Cavernous sinus synd
 - Acoustic neuroma
 - Aneurysm
 - Riley-Day
 - Mobius
- Topical meds
 - Beta blockers, diclofenac
- K Dystrophies
 - Lattice, macular
- Metabolic Disease
 - DM, vitamin A
- Iatrogenic
 - Sx, CL
- Other
 - Aging, Adie's

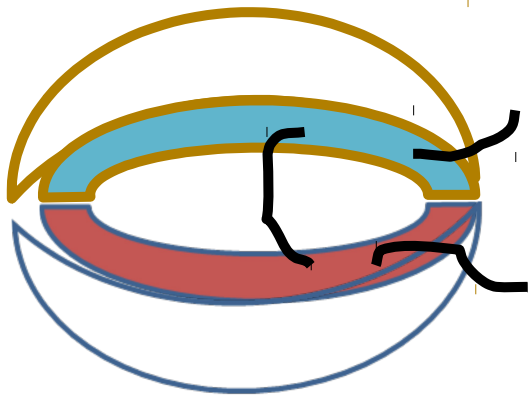
Treatment Options

- Warm compresses
- Bandage contact lens
- Artificial tears
- Ointment
- Punctal plugs/cautery
- Tarsorrhaphy
- Amniotic membrane
- Serum Tears
- Cyclosporine or Lifitegrast
- PROSE lenses



Tarsal suture

- Short term solution
- 5-0 or 6-0 Vicryl or Silk suture



- Can be easily released or cut when abrasion has healed

Methods

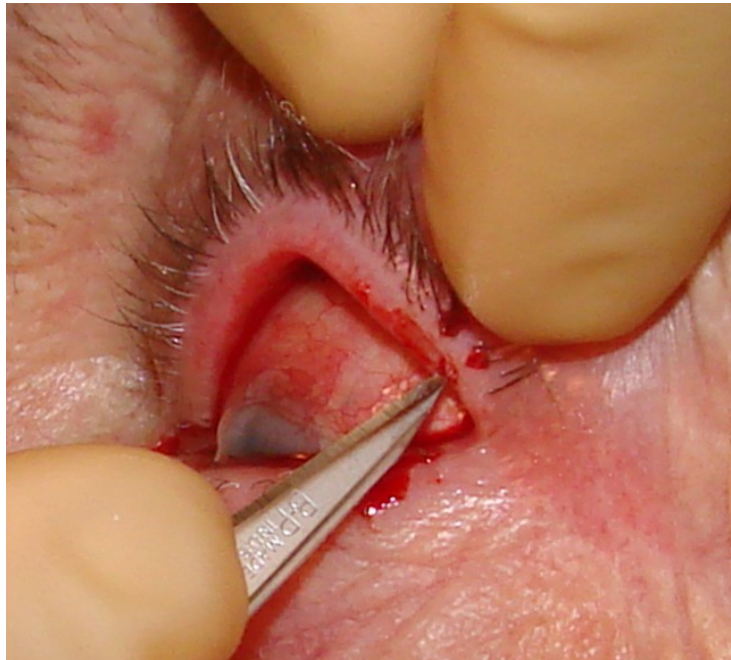


Under local anesthesia, low temperature cautery is used to remove epithelium on the lower and upper lid margins.



Methods

An 11 blade is used to split the lid at the gray line of the upper and lower lids.

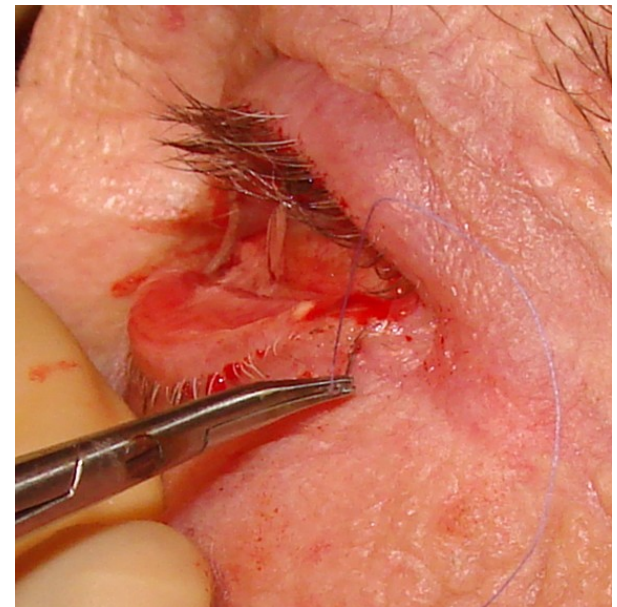
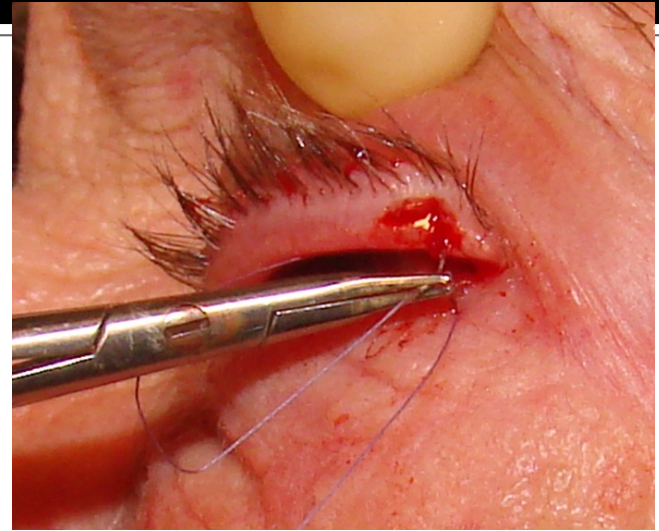
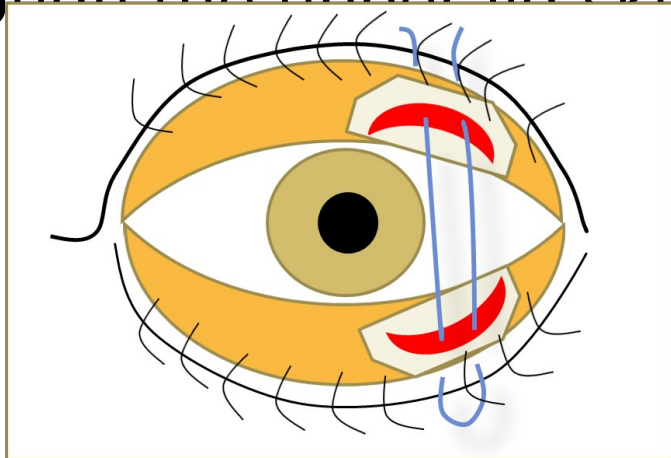


Any minimal bleeding can be absorbed with a Q-tip at this time.



Methods

A 5-0 (or 6-0) double armed vicryl suture is then passed (4-5mm apart) through the skin just below the ciliary margin, through the split margins of the lower and upper lids, and back out through the upper lid skin.



Methods

This can also be done with a single armed suture. Before the suture is tied, a small scratch is made on the skin to bury the knot.



Methods



Antibiotic ointment is applied.

Usually a patch is not necessary as there is hardly any bleeding.

Thank You

