

No Financial Interests

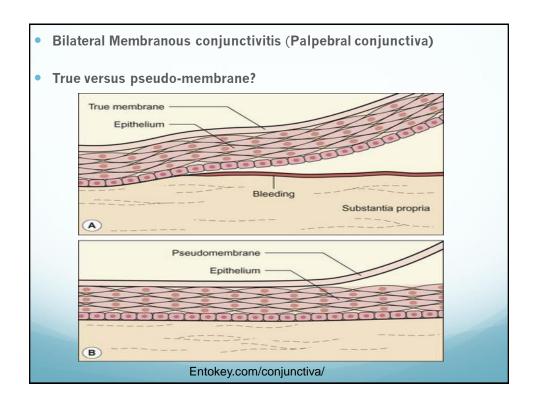
- 8-year old child (Aswan)
- Recurrent respiratory tract infections
- Redness, tearing and eyelid forced closure
- Lesion (Membrane??)



Thickening of upper and lower lids bilaterally

- Prednisolone acetate ED (stopped)
- Gatifloxacin ED
- Nepafenac ED
- Carboxymethylcellulose-hypromellose EO
- Combined Brinzolamide-Timolol maleate ED
- Brimonidine ED
- Travoprost ED





Corneal ulcers and erosions

VA: 3/60 (doesn't correct) OU

• IOP: 32 mm Hg on max tolerated meds OU

CD ratio: 0.9 OU





Steroid induced
glaucoma
to
Ligneous conjunctivitis

Clinical and histopathological aspects in two cases of ligneous conjunctivitis.

Mocanu CL, et al. Rom J Morphol Embryol. 2016. Show full citation

Abstract

Ligneous conjunctivitis represents a very rare form of chronic membranous conjunctivitis, with unknown etiology; less than 200 cases have been reported in the literature, most of them in infants and children. After 40 years, this condition appears in exceptional circumstances.

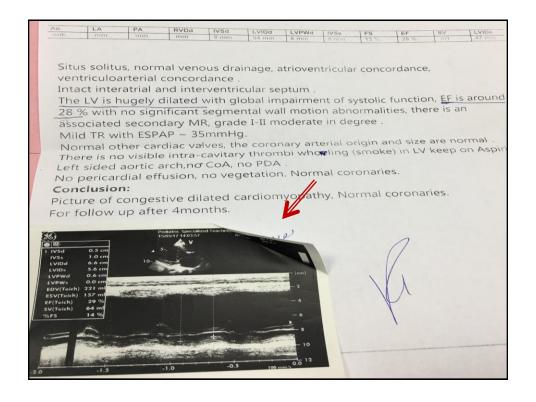
- Rare
- Chronic conjunctivitis
- Bilateral
- Wood-like fibrin-rich pseudomembrane
- Sight-threatening?

(Glaucoma, Corneal scarring, vascularization, infection or melting)

Systemic manifestations

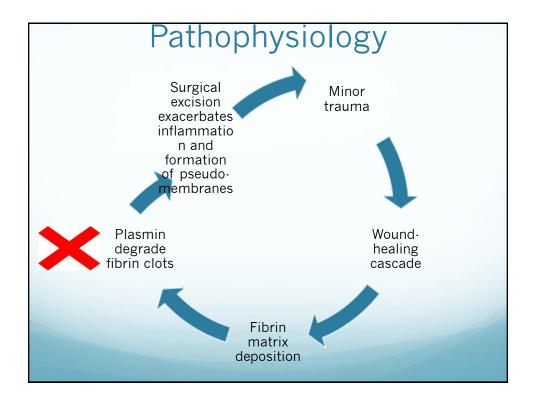
Development of ligneous membranes on mucosal surfaces

- Periodontal tissue
- Middle ear
- Tracheo-bronchial tract
- Kidneys
- Female genital tract
- Associated with hydrocephalus
- Life-threatening??



Etiology

- Mutations in plasminogen (PLG) gene
- Deficiency in plasmin-mediated fibrinolysis (Type 1 plasminogen deficiency)



Decision??

Options

- Laser Trabeculoplasty
- Trabeculectomy or deep sclerectomy
- GDDs
- Cyclodiode

- Surgical removal of the Ligneous membranes followed by amniotic membrane transplantation with hourly HEPARIN eye drops.
- Micropulse transscleral Diode laser cyclophotocoagulation

(MP-TSCPC)



Follow-ups

Day	IOP (mm Hg)
1	18
8	13

Take home message

- Ligneous conjunctivitis is a sight- and life-threatening disease.
- Variable treatment options are available but with high recurrence rates.
- A novel technique of Surgical excision with amniotic membrane transplantation followed by topical heparin may be the most effective.
- MP-TSCPC is an efficient noninvasive glaucoma ttt that achieves sustained IOP reduction.

