



## CONJUCTIVAL CYST PRESENTING AS A LOWER EYELID MASS.

### Ophthalmology

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### ABSTRACT

A conjunctival cyst is a thin walled sac or vesicle that contains fluid. This vesicle can develop either under or on surface of conjunctiva. It may be preceded by any history of trauma, inflammation or drug induced. We report a case of 40 years male presented with a lower eyelid mass lesion without any prior history of trauma, inflammation or drug use suggestive of retention cyst. Excision of the lesion was done with good cosmetic outcome.

### KEYWORDS

conjunctiva, cyst, retention cyst

#### Case report :

40 years old male presented with lower eyelid mass lesion in right eye for 6 months duration with normal vision (VA 6/6 both eyes). There was no history of trauma or use of any eyedrops. On examination, a soft cystic swelling 4x5 mm in size, discrete, solitary, non tender on the right lower eyelid towards the medial canthus was present. Excision biopsy was done for the lesion with good cosmetic outcome. Histopathological examination revealed non keratinized stratified squamous epithelium with goblet cells suggestive of conjunctival cyst. Patient followed up for 6 months with no recurrence.

Treatment is complete excision of the cyst. Complete excision of cyst ball with no spillage lead to no recurrence. (3)

#### REFERENCES:

1. Salagar KM, Pujari MR, Murthy CN. J Clin Diagn Res. 2015 . A rare case report of conjunctival cyst.
2. Nath K, Gogi R, Zaidi Nahid. Cystic lesions of conjunctiva. IJO. 1983;31:1-4
3. Thatte S, Jain J, Kinger M, Palod S, Wadhva J, Vishnoi A. Clinical study of histologically proven conjunctival cysts. Saudi J Ophthalmol. 2015;29(2):109-15.

#### Discussion :

A conjunctival cyst is a cyst on the conjunctiva of eye. The conjunctiva is a clear membrane that covers the white part of eye. It also lines the inside of eyelids. It keeps eye lubricated with tears and mucus and prevent germs from entering eye. Conjunctiva is being delicate structure susceptible to injuries. Any type of blow and irritation can cause conjunctival cyst to develop(1). This is a fluid filled sac, but it can sometimes look more like a solid mass.



**Surgical Specimen**

**Non Keratinising Cyst Lining**

Two main kind of conjunctival cysts are:

1. Retention cyst: This type results from blocked duct, which causes a build up of eye secretions. This build up creates a cyst.
2. Inclusion cyst: this type happens when a piece of epithelium tissue from your conjunctiva folds into the connective tissue of conjunctiva or lid.

Injuries, surgery, exposure to an allergen and ongoing inflammation can cause them.(2)(3)