

LACRIMAL GLAND :STRUCTURE

- Is a branched tubuloalveolar gland.
- Appears as pinkish-grey collection of lobules and separated from each other by fibrovascular septa.

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TEAR FILM

TEAR FILM:FUNCTIONS

- To form and almost perfectly smooth optical surface on the cornea by filling in and smoothening out small surfaces of corneal irregularities in the cornea epithelium.
- Serves to keep the surface moisten
- Serves as lubricant for the preocular surface and lids. Thus, decrease frictional force causing by blinking and rotational movements of the eyelid.
- Prevents infection as it consist antibacterial substances
- Washes away debris
- Provides pathway for white blood cell in case of injury

CHRONOLOGY: EVAPORATION OF TEAR FILM

- It has been shown that almost all lipid films retard the evaporation of water.
- This is important especially in:
 - ✓ Low humidity condition
 - ✓ Turbulent air flow – windy/arid climate
- Evaporation occurs approximately $0.12\mu\text{l}/\text{min}$

1. What factors that lead to dry eye? Any eye disease related to this condition?
2. What factors lead to watering of the eye? Any eye disease related to this condition?
3. How to investigate and evaluate a case of watery eye

