



Tearing Due to Blocked Drainage System

Kimberly Cockerham, MD, FACS
Central Valley Eye Medical Group

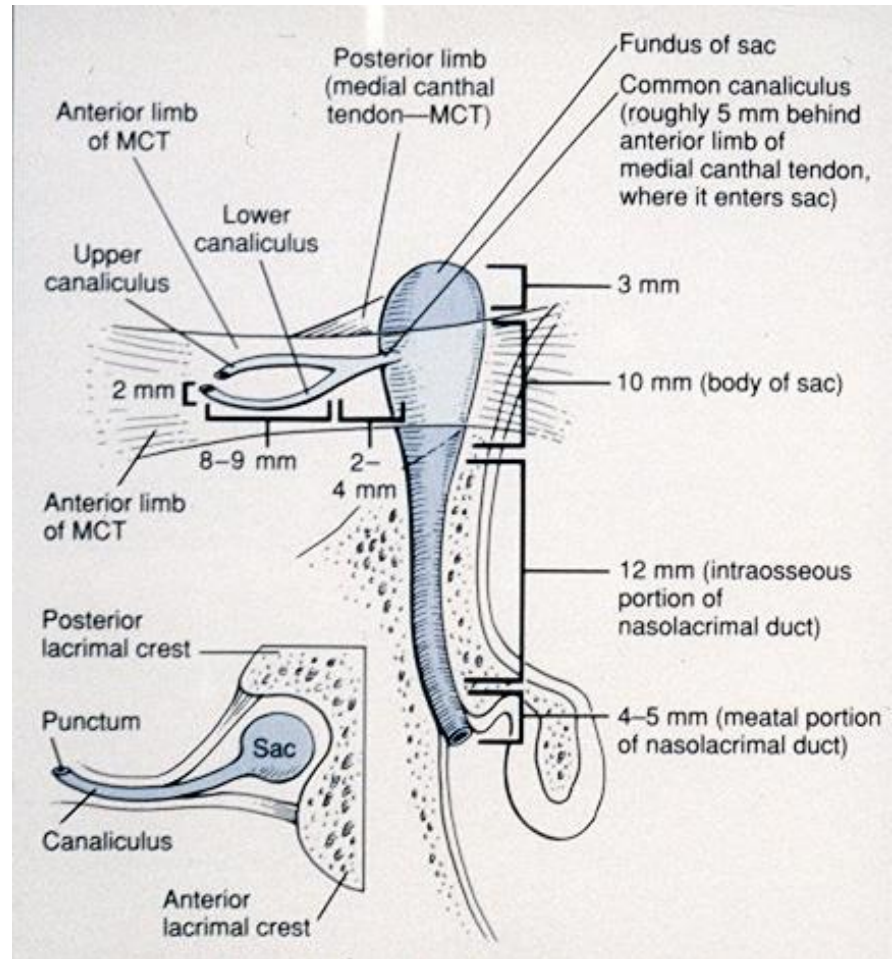
Blockage Can Occur Anywhere From the Tear Holes (puncta) on the Eyelid to the Duct Opening in the Nose

Puncta

Canaliculus

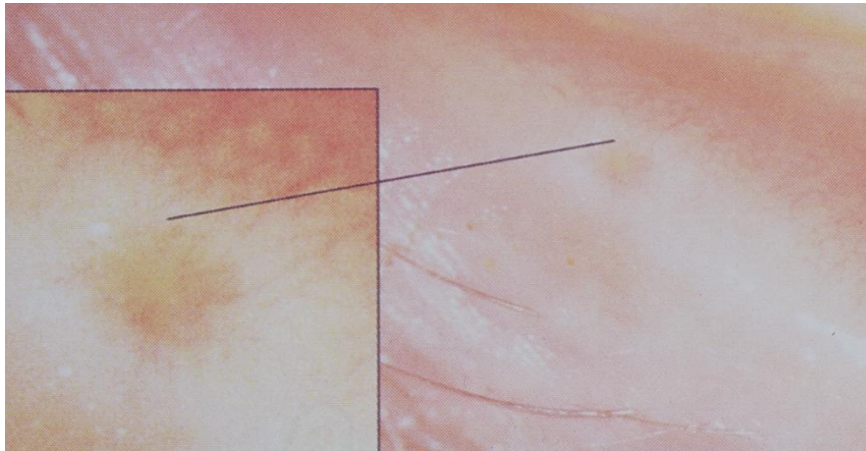
Lacrimal sac

Lacrimal duct



Punctal Stenosis

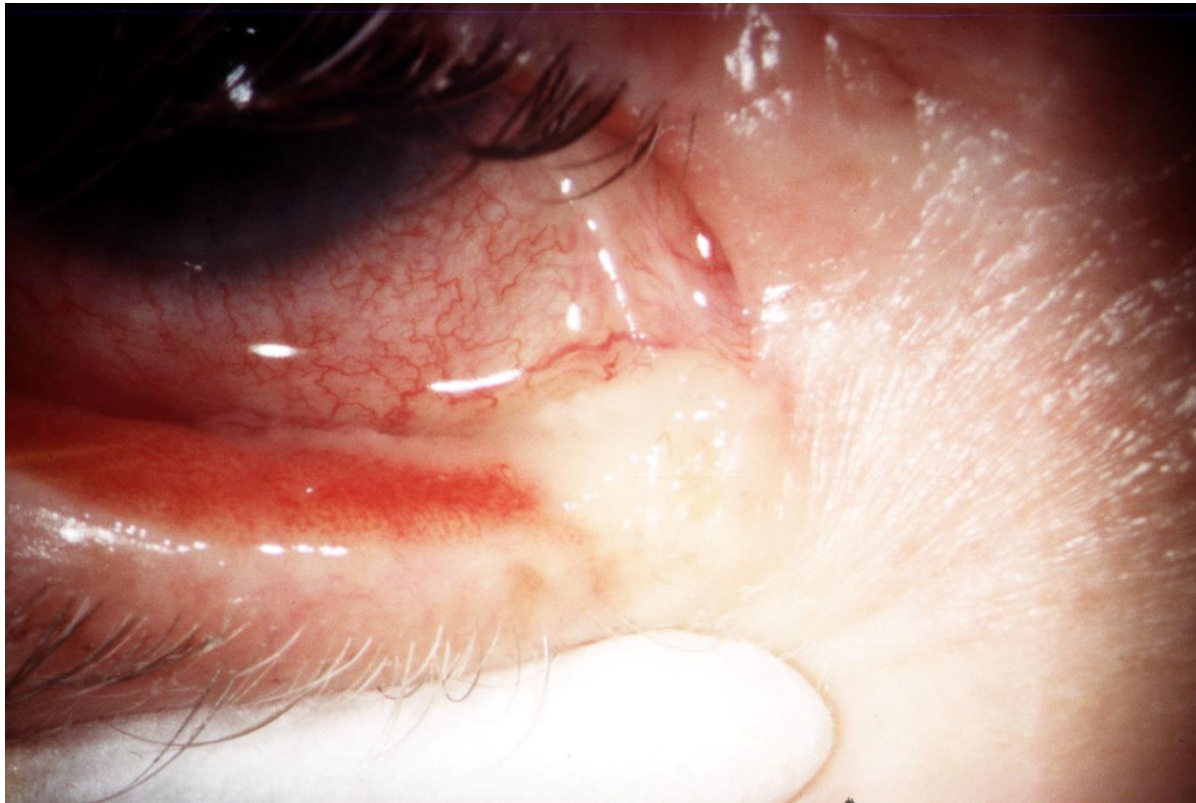
- Inflammation
- Topical drops
- Exposure



RX = punctopexy



Punctal Infiltration



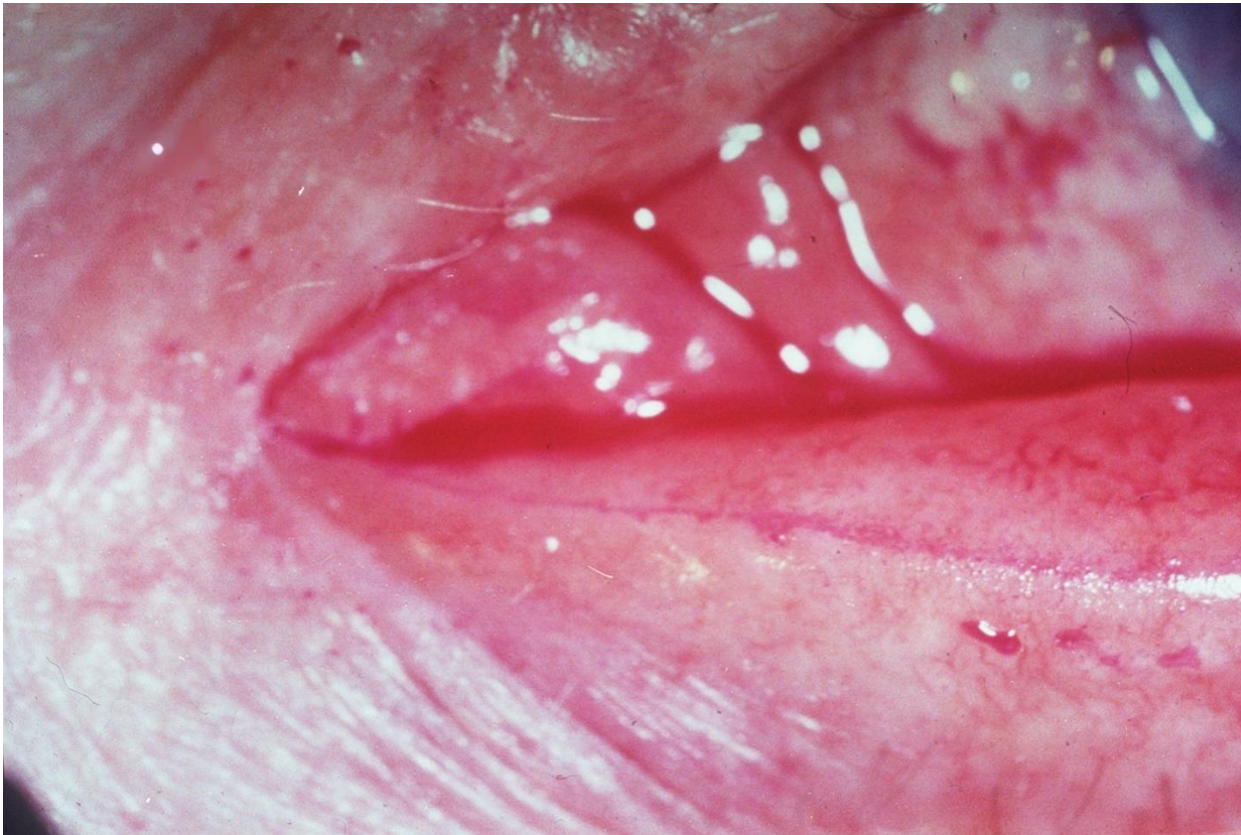
RX = Excision and Reconstruction

Canalicular Abnormality

- Infection (canaliculitis)
- Trauma
- Chemotherapy
- Topical medications (glaucoma drops)



Canaliculitis



Actinomyces: three snip followed by topical Pen G

Nasolacrimal Duct Obstruction

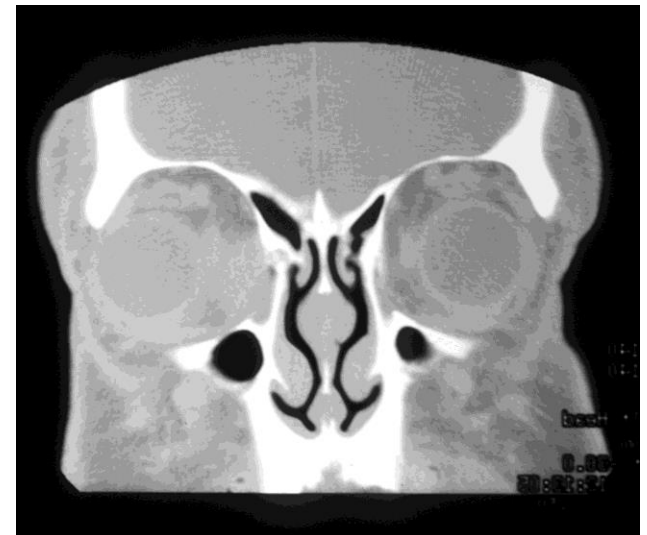
- Infection
- Inflammation
 - Wegner's
 - Sarcoidosis
 - Steven's Johnson
 - Herpes
- Intranasal abnormality



Dacryocystitis

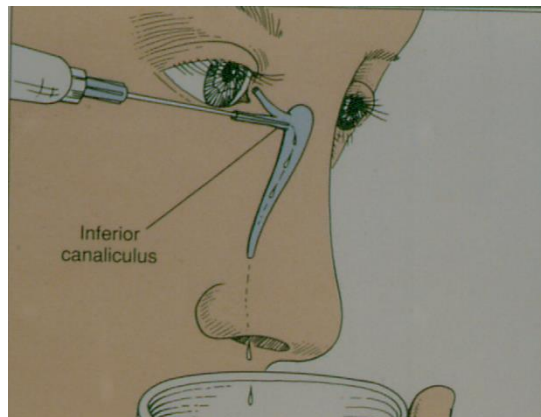
Lacrimal Sac Mass

- Inflammation
 - Sarcoidosis
 - Non-specific inflammation
- Neoplasia
 - Squamous cell carcinoma
 - Lymphoma

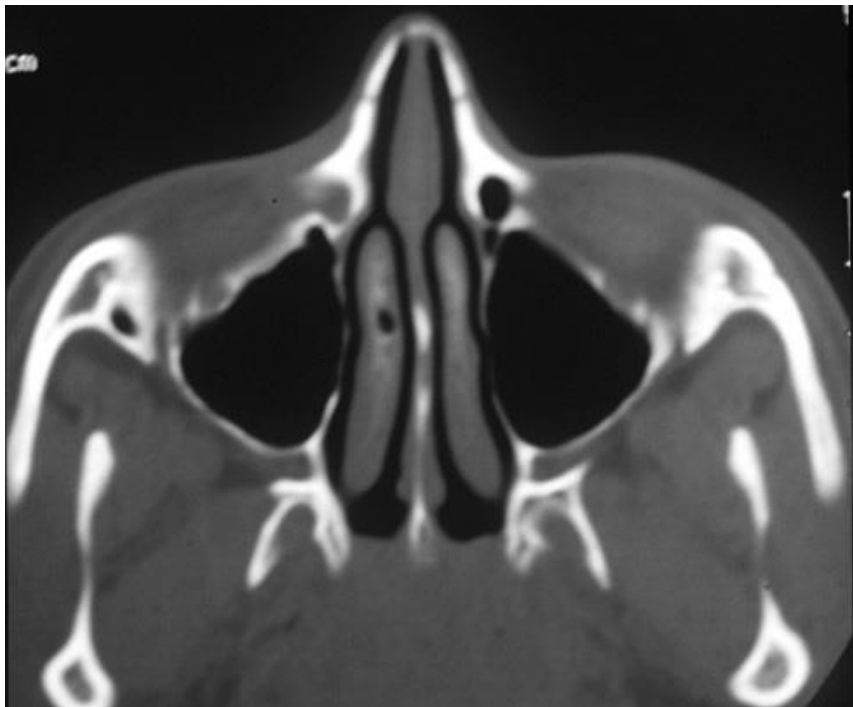


Evaluation of the Wet Eye

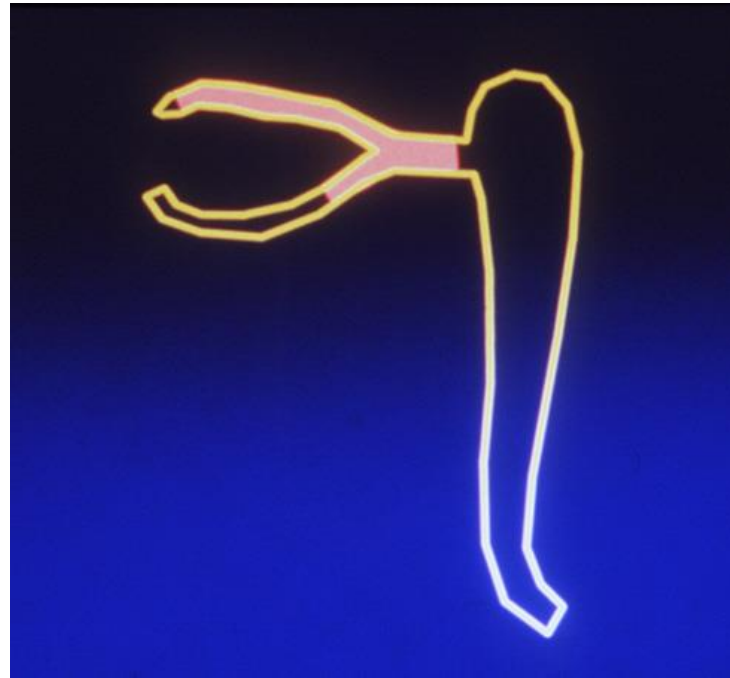
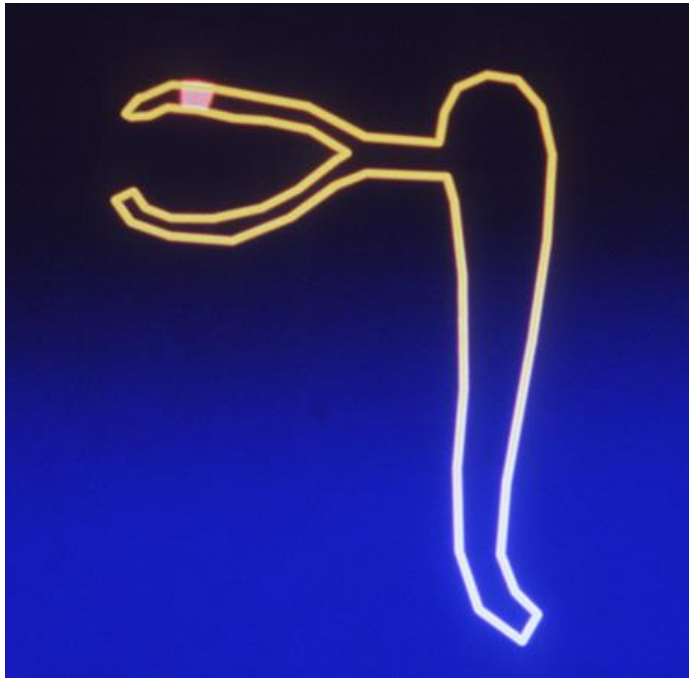
- Irrigation
 - Flows freely to mouth or nose
 - System not structurally blocked
 - Functional block still possible



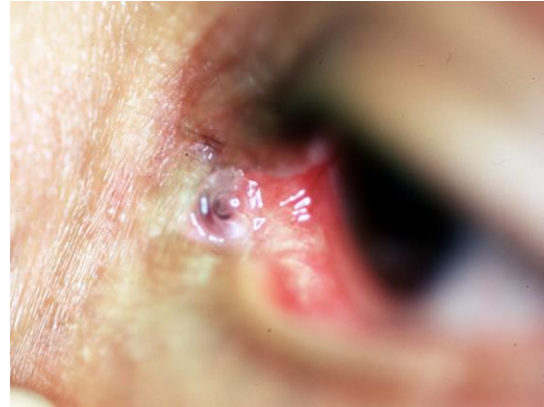
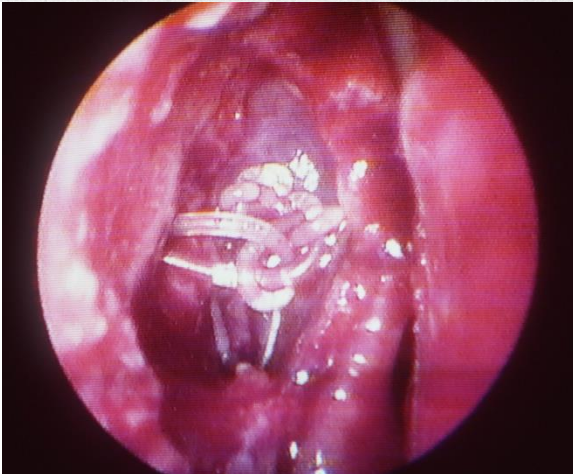
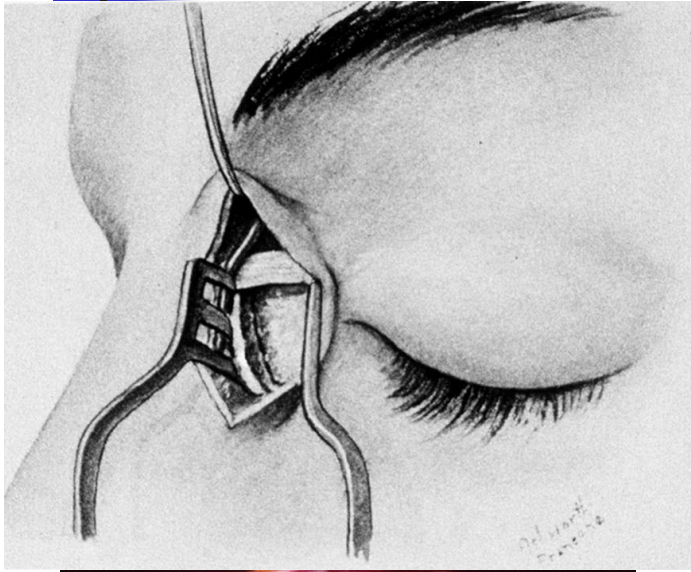
Imaging Can Identify Masses or Unusual Anatomy



Canalicular Stenosis



Dacryocystorhinostomy (DCR)



Systematic Approach to Tearing

- Dry
- Wet
- Other
 - Ocular Surface
 - Eyelid
 - Orbit

