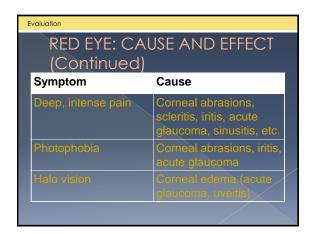


Introduction

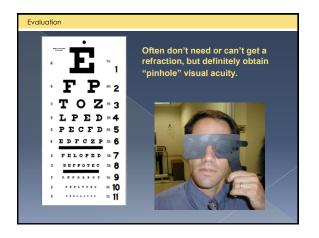
ETIOLOGIES OF RED EYE

1. Chemical injury
2. Angle-closure glaucoma
3. Ocular foreign body
4. Corneal abrasion
5. Uveitis
6. Conjunctivitis
7. Ocular surface disease
8. Subconjunctival hemorrhage

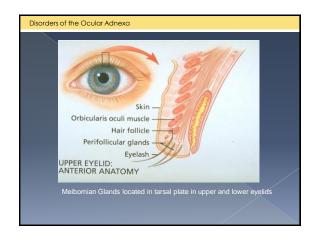
Evaluation	
RED EYE: CAUSE AND EFFECT	
Symptom	Cause
Itching	Allergy
Burning	Lid disorders, dry eye
Foreign body sensation	Foreign body, corneal abrasion
Localized lid	Hordeolum, chalazion
tenderness	

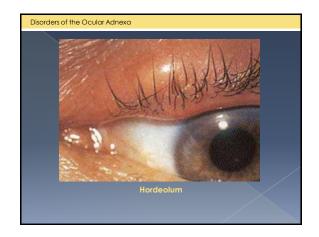


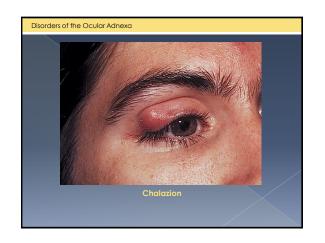




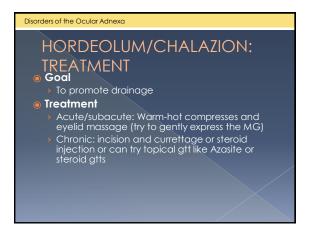


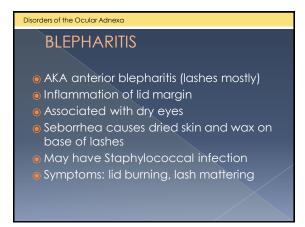


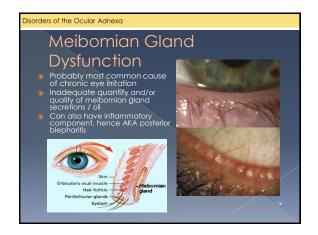


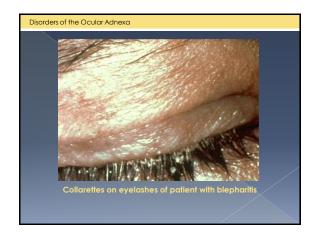


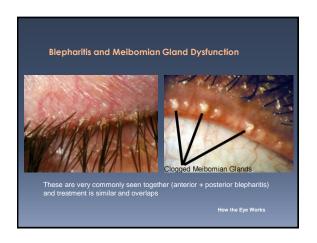




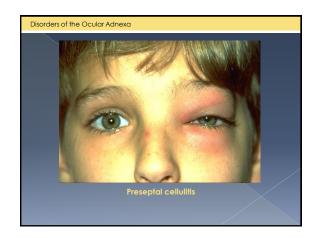




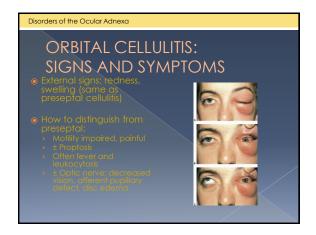








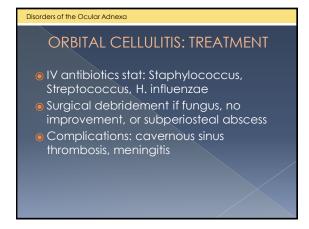


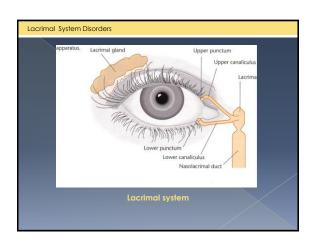


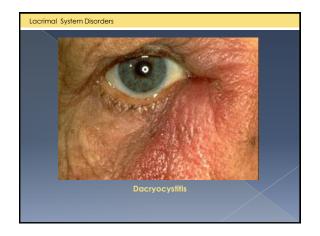
ORBITAL CELLULITIS:

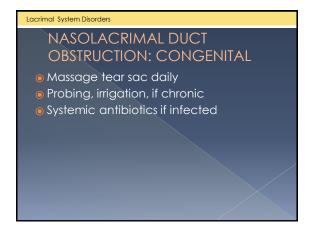
MANAGEMENT

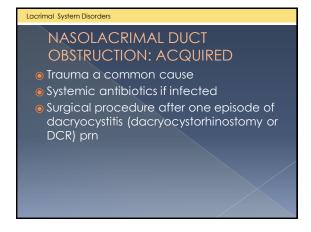
ID consultation possibly
Orbital CT scan (r/o subperiosteal abcess)
CBC +/- Blood culture
ENT consult if pre-existing sinus disease
Hospitalization for IV abx (especially for kids), in select adult cases may manage as outpt under close supervision

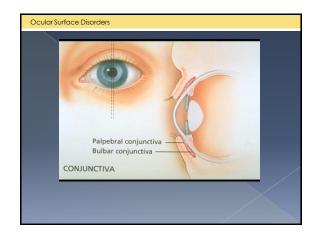


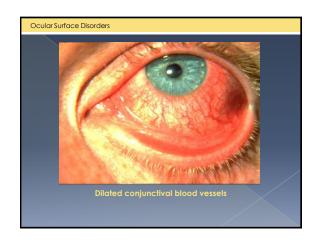


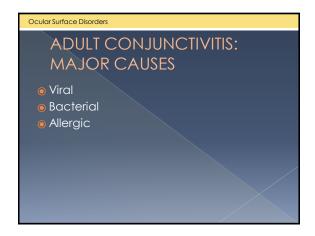


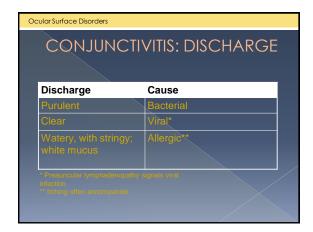


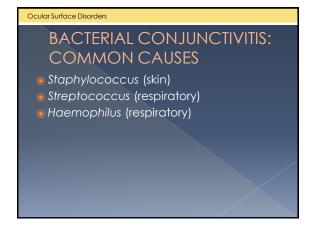


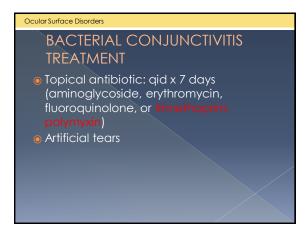


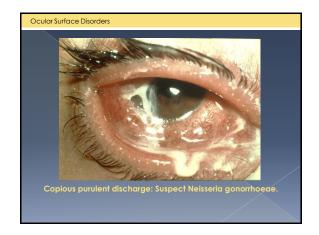






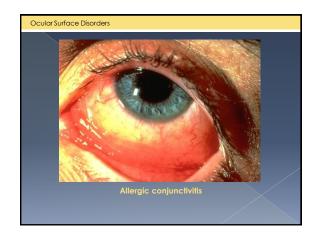


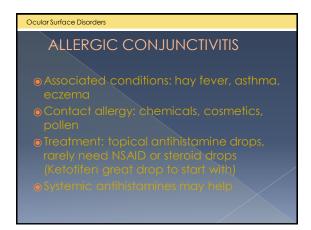


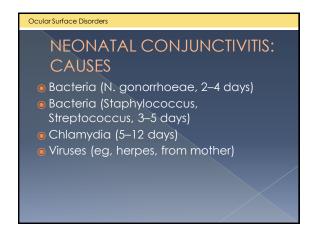




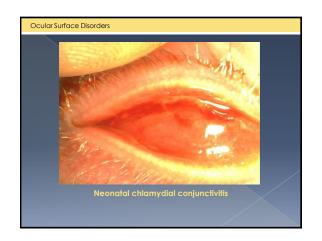


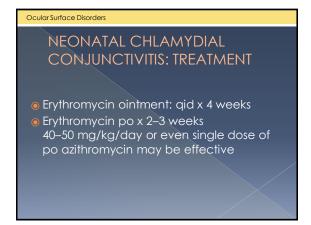


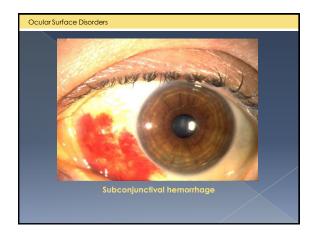














TEAR DEFICIENCY STATES:
SYMPTOMS

Burning
Foreign-body sensation
Paradoxical reflex tearing
Symptoms can be made worse by reading, computer use, television, driving, lengthy air travel (decreased blink rate...)

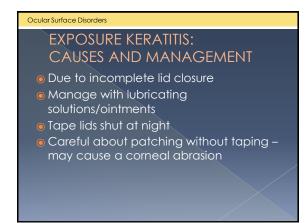
TEAR DEFICIENCY STATES:
ASSOCIATED CONDITIONS

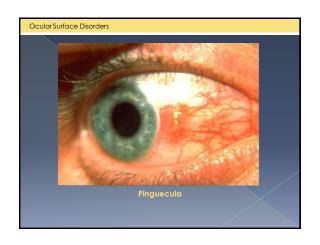
Aging
Rheumatoid arthritis
Stevens-Johnson syndrome
Chemical injuries
Ocular pemphigoid
Systemic medications

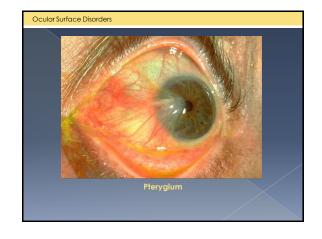


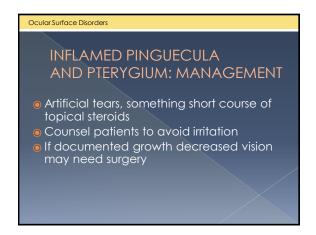


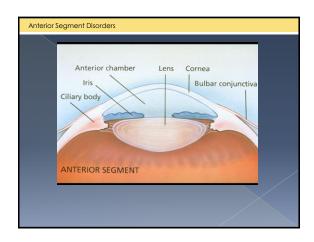


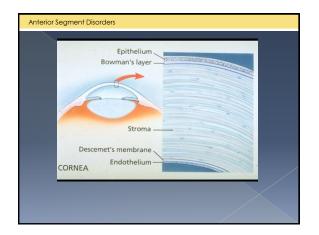


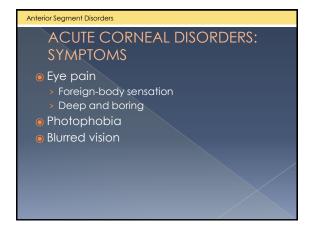


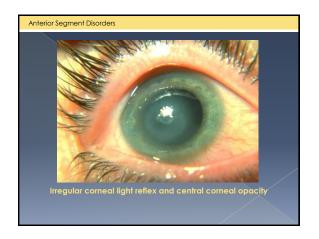


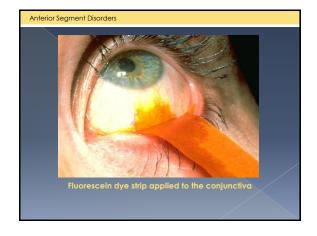


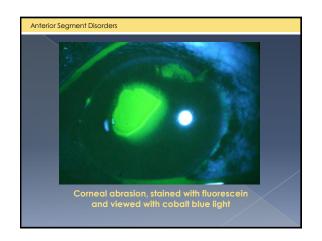






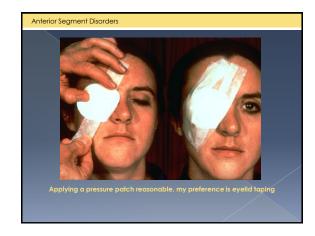










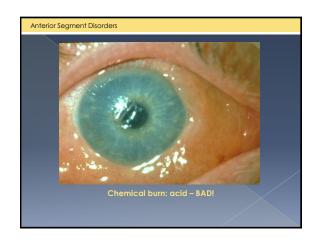


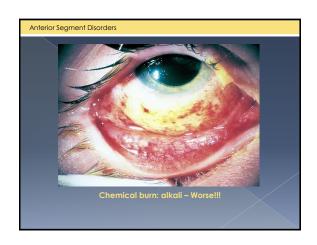


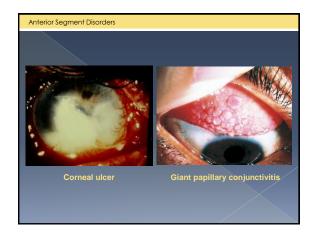
CHEMICAL INJURY

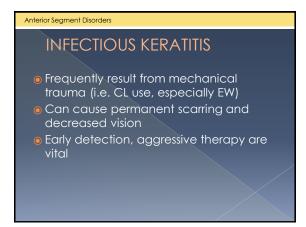
A true ocular emergency
Requires immediate irrigation with nearest source of water, can use Morgan Lens hooked up to normal saline or ringers lactate, may need 8-10 liters, pH should return to 7-7.4.

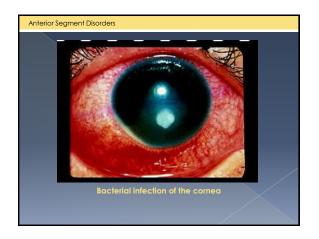
Cederroth (sterile buffered isotonic sodium chloride) - buffer, even better than saline
Management depends on offending agent



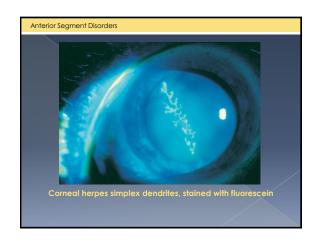








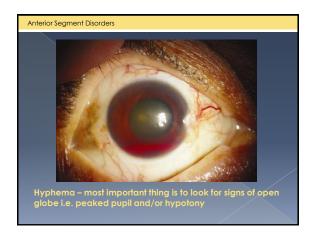






TOPICAL STEROIDS: SIDE EFFECTS should only be prescribed by Ophthalmology

Always ask and document who started patient on steroid therapy
Facilitate corneal penetration of herpes virus
Elevate IOP (steroid-induced glaucoma)
Cataract formation and progression
Potentiate fungal corneal ulcers



INFLAMMATORY CONDITIONS
CAUSING A RED EYE:

Episcleritis
Scleritis
Anterior uveitis (iritis)

