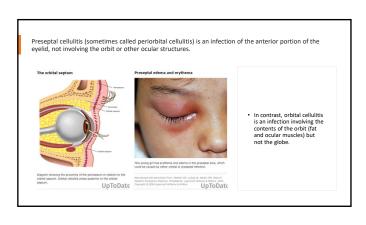
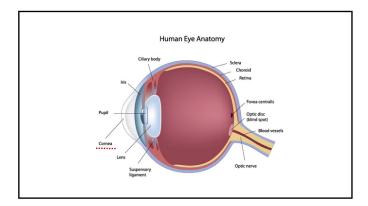


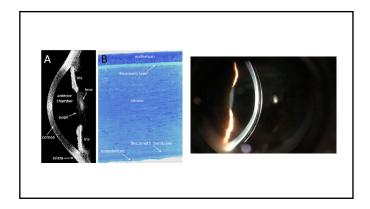
Bacterial	Viral
Mucopurulent discharge	Watery discharge
Bilateral	Unilateral
Preschoolers (3.6 yrs)	Older children (7.5 yrs
Otitis media	Pharyngitis
No adenopathy	Adenopathy
Both can be hi	ghly contagious!

Ophthalmology referral if Torn lid margins Lacrimal duct damage Tarsal plate Canthal Canthal



Clinical feature	Preseptal cellulitis	Orbital cellulitis
Eyelid swelling with or without erythema	Yes	Yes
Eye pain/tenderness	May be present	Yes; may cause deep eye pain
Pain with eye movements	No	Yes
Proptosis	No	Usually, but may be subtle
Ophthalmoplegia +/- diplopia	No	May be present
Vision impairment	No	May be present*
Chemosis	Rarely present	May be present
Fever	May be present	Usually present
Leukocytosis	May be present	May be present





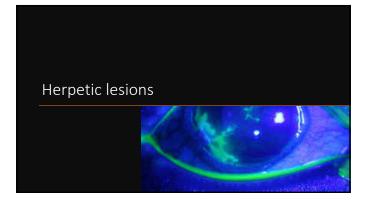
Keratitisinflammation of the cornea

Corneal Abrasion

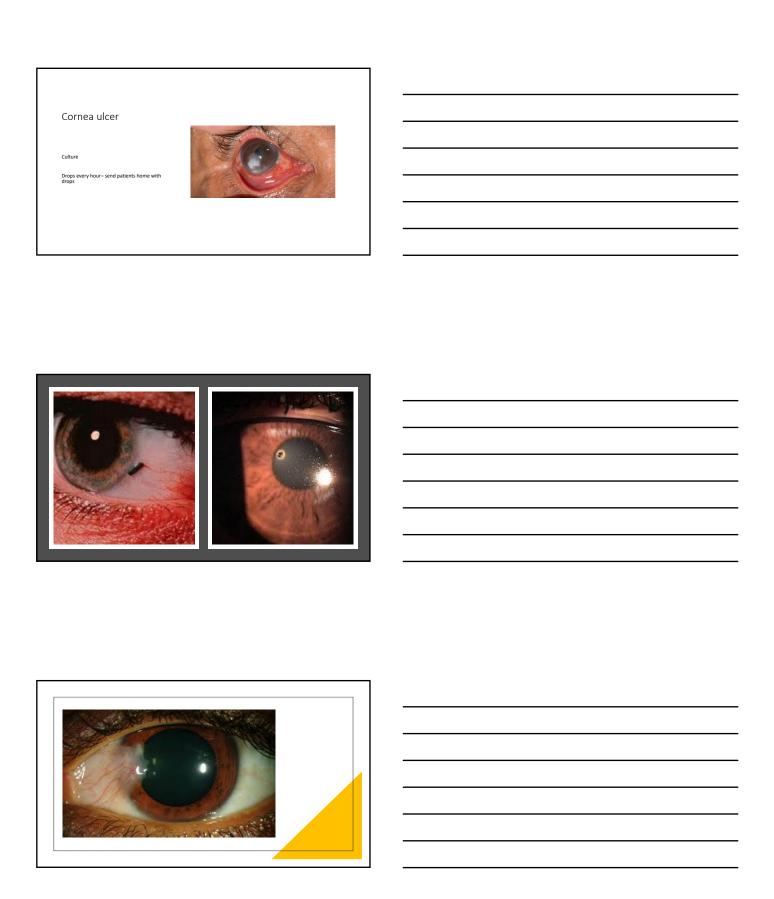


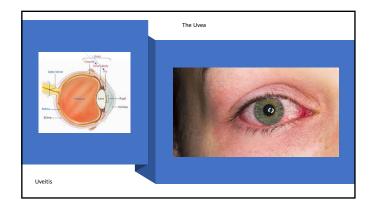
Treatment

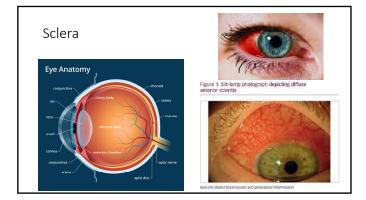
- No patch
 topical nonsteroidal anti-inflammatory drugs
 mydriatics are not effective for treatment of corneal abrasions and are not recommended
 Consider use of topical antibiotics in patients with corneal abrasions
- Discontinue contact lens use in patients with corneal abrasions
- Re-evaluated in 24 hours; if the abrasion has not fully healed, they should be evaluated again three to four days later.
- Patients who wear contact lenses should be re-evaluated in 24 hours and again three to four days later even if they feel well.
- Patients who wear contact lenses should be referred if there is no improvement in symptoms within a few hours of lens removal.



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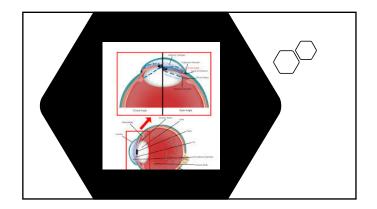


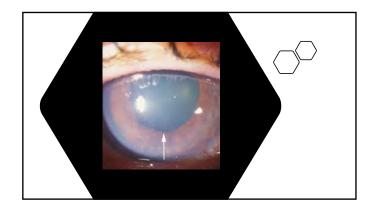


Not to be confused with subconjunctival hemorrhage



- Can be caused by something as little as a sneeze
- Resolved on own







Treatment

- Decreased production of aqueous humor
 - Timolol 0.5%
 - Acetazolamide (po is actually preferred)
 - Can substitute methazolamide if patient has renal failure
 - Do not give in sickle cell patients

 - Dorzolamide 2%
 Carbonic anhydrase inhibitor
 - Alpha agonist (alphagan)
- Facilitate outflow of aqueous humor
 - Pilocarpine
- Reduce volume of aqueous humor
 - Mannitol

Anterior Chamber

- Hyphema
- Greater than 1/3 can lead to increased IOP
- Recurrent bleeding in up to 10%
- Can be associated with retinal detachment
- Iris damage-poor pupil reactivity
- Lens can be damaged
- Hypopyon
- Sterile pus because it is due to release of toxins and not actual invasion of pathogens
- Can result from ulcer, endophthal mit is

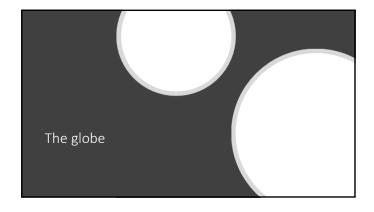


Hyphema and hypopyon tx

- Elevate head of bed and upright position to layer blood by gravity, open visual field while blood resorbs ;Eye shield



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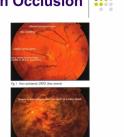


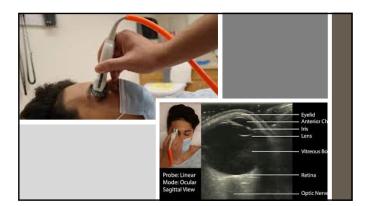
Ruptured Globe May be from blunt or penetrating trauma Occurs at himnest part: Umbus (visible with sit lamp) I seretions of the extra-ocular muscles (reduced eye movements, loss red reflex from vitreous haemorrhage) Around the optin enve Signs: Pupul: peaked, teardropshaped, or otherwise irregular Seldef Supe (recession of the globe within the orbit) Exophitalmions from retrobulbar hemorrhage

Central Retinal Artery Occlusion • Embolism • Most commonly cholesterol, cardiac lessoc HT/DM) can be arteritis efficiently a common of the common of the

Central Retinal Vein Occlusion

- Sudden painless loss of vision
 R/F: age, HT, DM,
 prothrombotic disorders
 Types: Non-ischaemic and
 Ischaemic
 Signs: Decreased visual
 aculty, Relative Afferent
 pupillary Defect, abnormal red
 reflex
 Fundus haemorrhage ("Stormy
 sunset")
 Mx Ophthal referral
 Anticoag, aspirin
 Surgery incl. Laser
 photocoagulation





Retinal Detachment

