

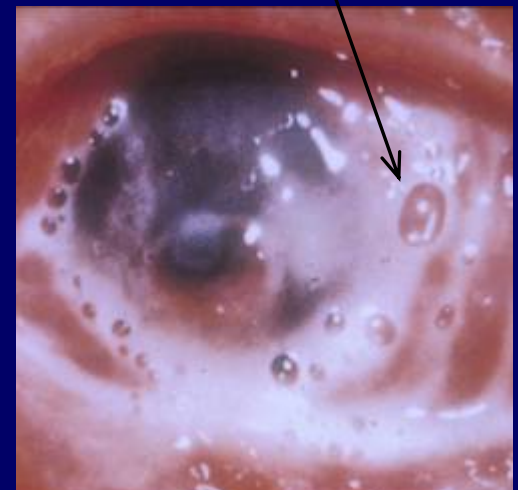
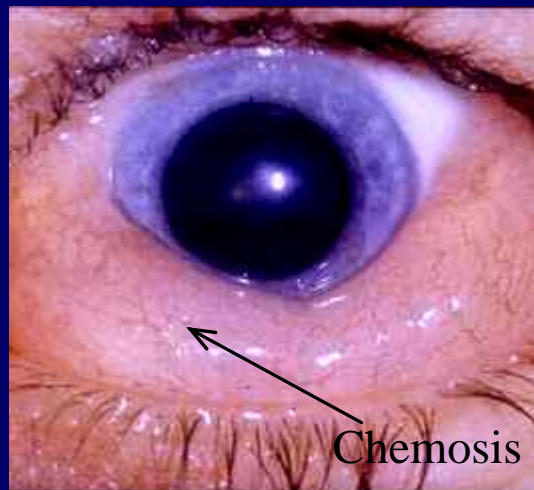
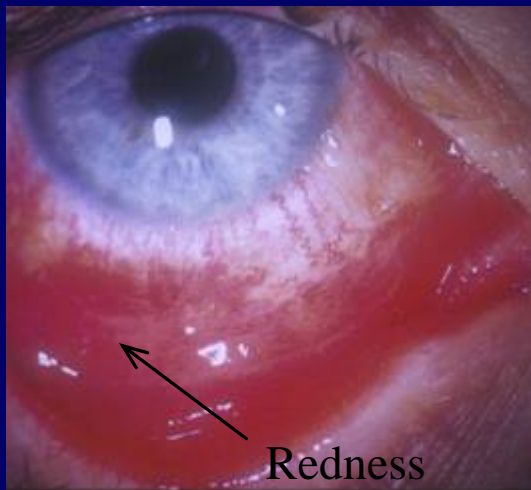
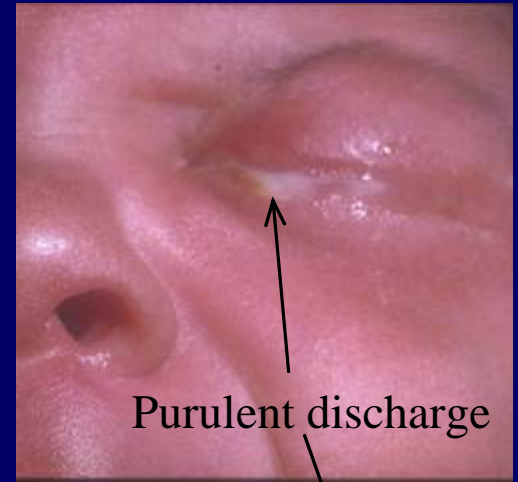
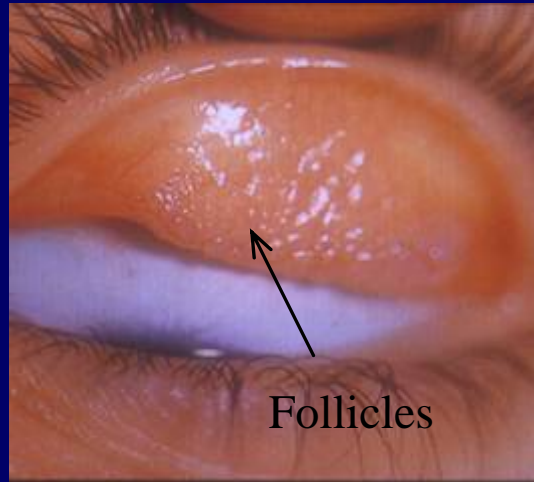
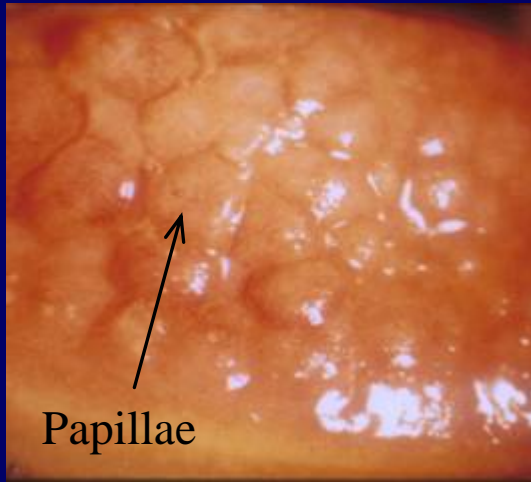
The Red Eye

Differential Diagnosis

Differential Diagnosis of “red eye”

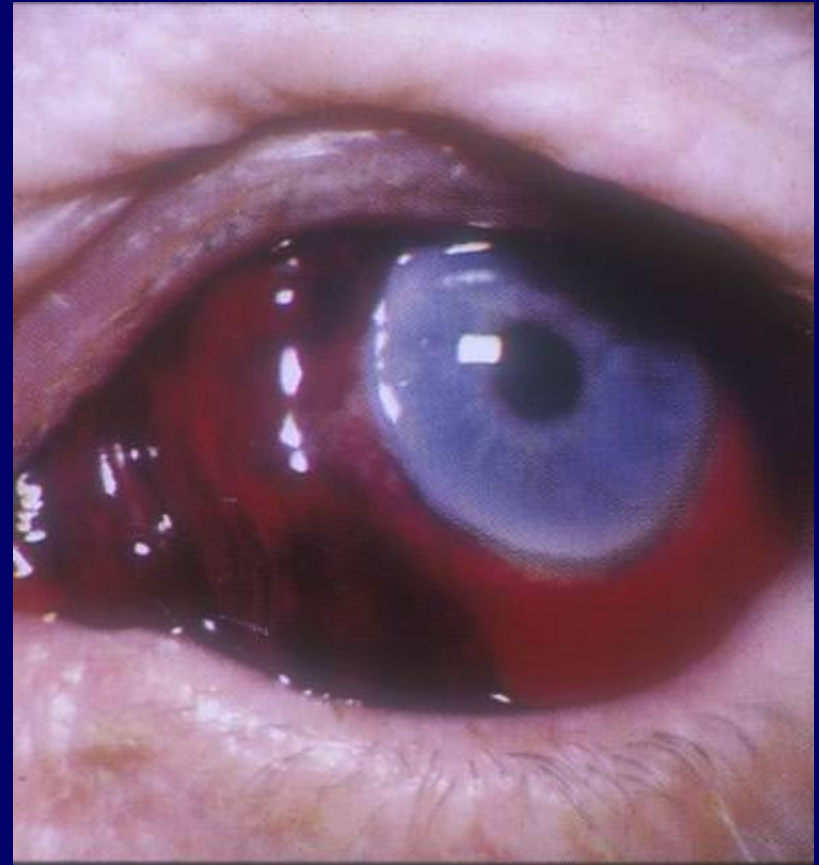
	Conjunctiva	Pupil	Cornea	Anterior chamber	IOP
Subconjunctival Haemorrhage	Bright red	Normal	Normal	Normal	Normal
Conjunctivitis	Injected vessels, fornices. Discharge	Normal	Normal	Normal	Normal
Iritis	Injected around cornea	Small, fixed, irregular	Normal, KPs	Turgid, deep	Normal
Acute glaucoma	Entire eye red	Fixed, dilated, oval	Hazy	Shallow	High

Conjunctivitis



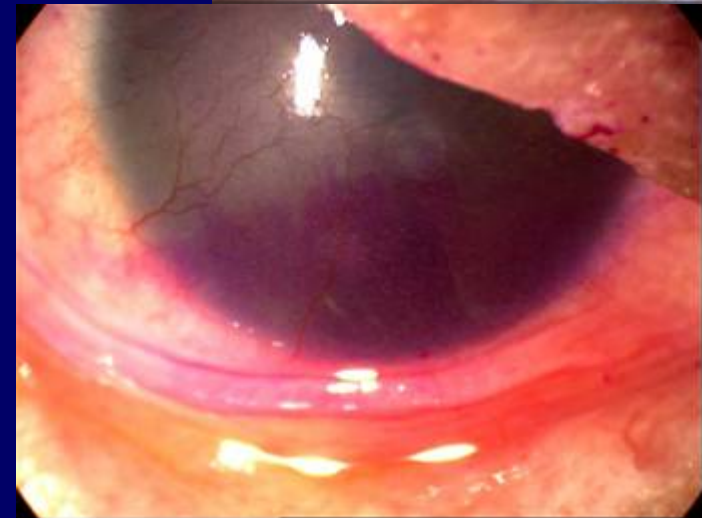
Subconjunctival Haemorrhage

- Diffuse or localised area of blood under conjunctiva.
Asymptomatic
- Idiopathic, trauma, cough, sneezing, aspirin, HT
- Resolves within 10-14 days



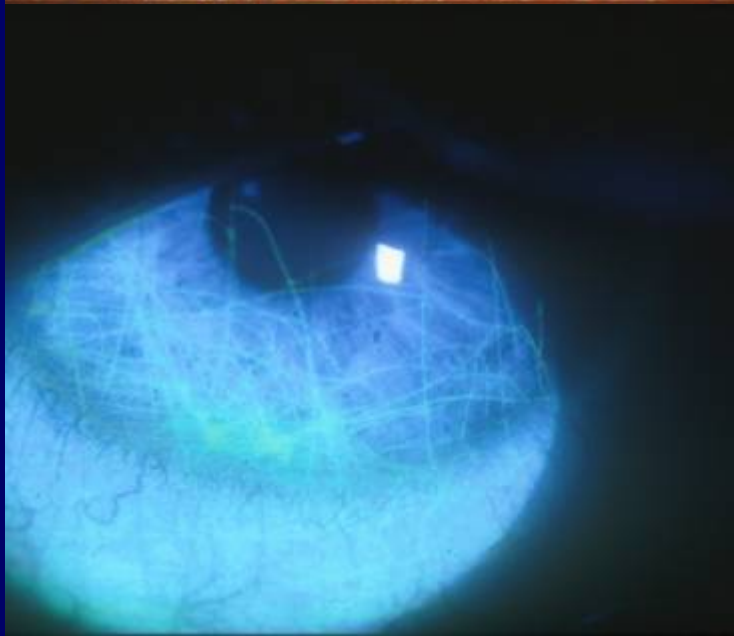
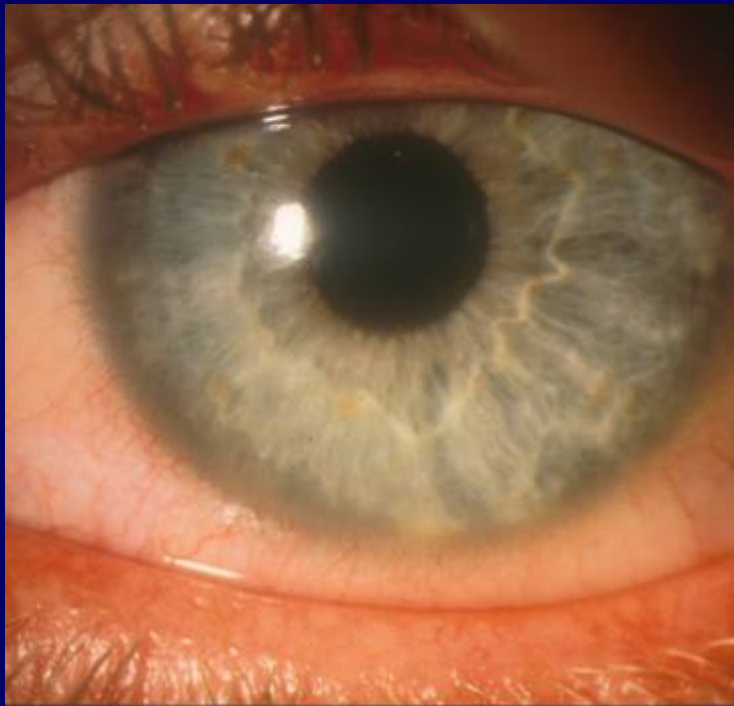
Dry Eye Syndrome

- Poor quality
 - Meibomian gland disease, Acne rosacea
 - Lid related
 - Vitamin A deficiency
- Poor quantity
 - KCS
 - Sjogren Syndrome
 - Rheumatoid Arthritis
 - Lacrimal disease ie, Sarcoidosis
 - Paralytic ie, VII CN palsy



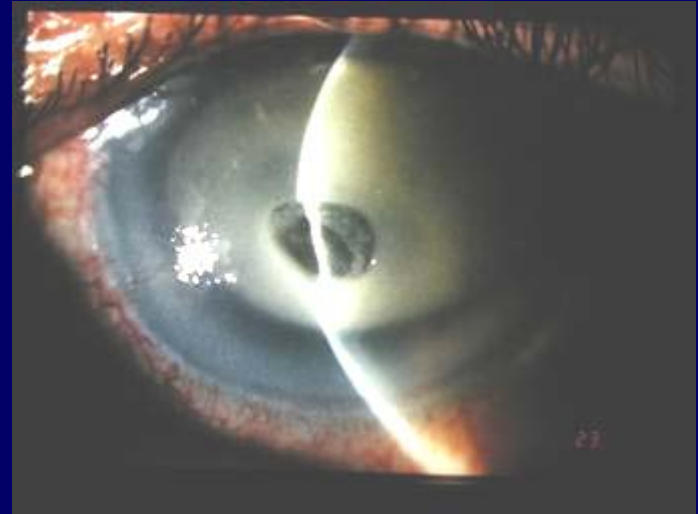
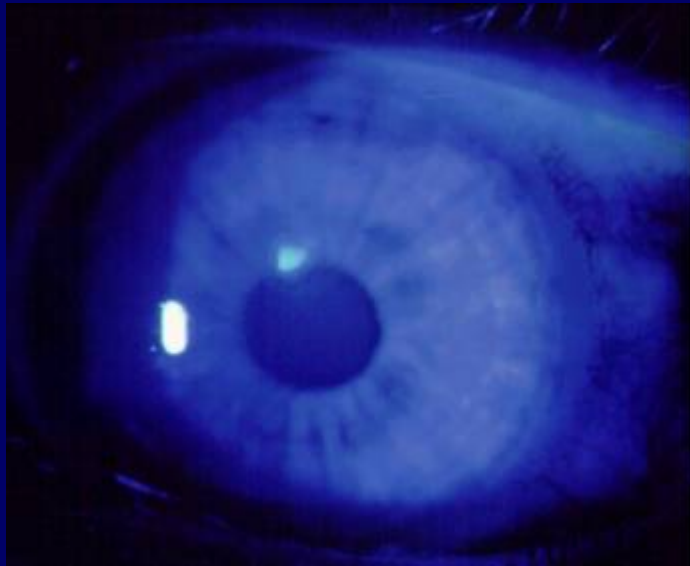
Corneal Abrasion

- Surface epithelium sloughed off.
- Stains with fluorescein
- Usually due to trauma
- Pain, FB sensation, tearing, red eye



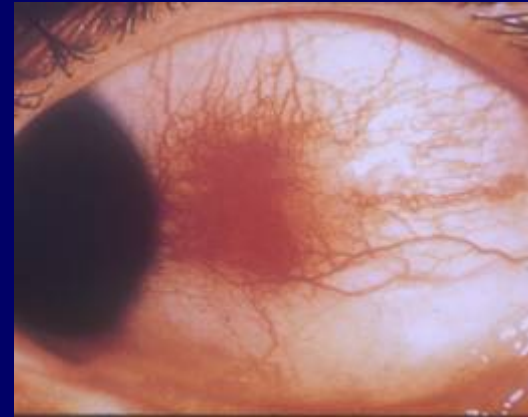
Corneal Ulcer

- **Infection**
 - Bacterial: Adnexal infection, lid malposition, dry eye, CL
 - Viral: *HSV*, *HZO*
 - Fungal:
 - Protozoan: *Acanthamoeba* in CL wearer
- **Mechanical or trauma**
- **Chemical:** Alkali injuries are worse than acid



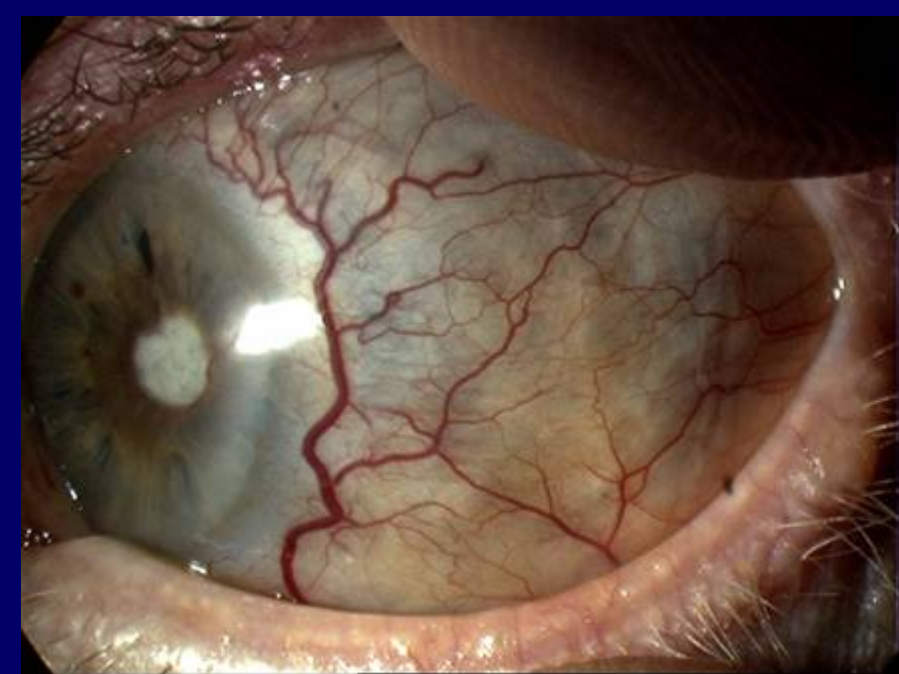
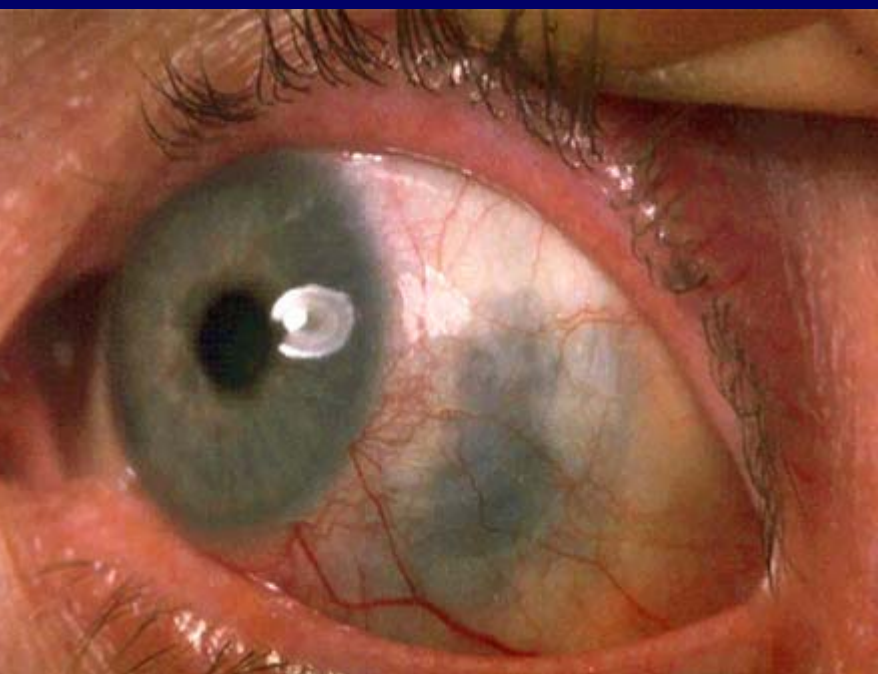
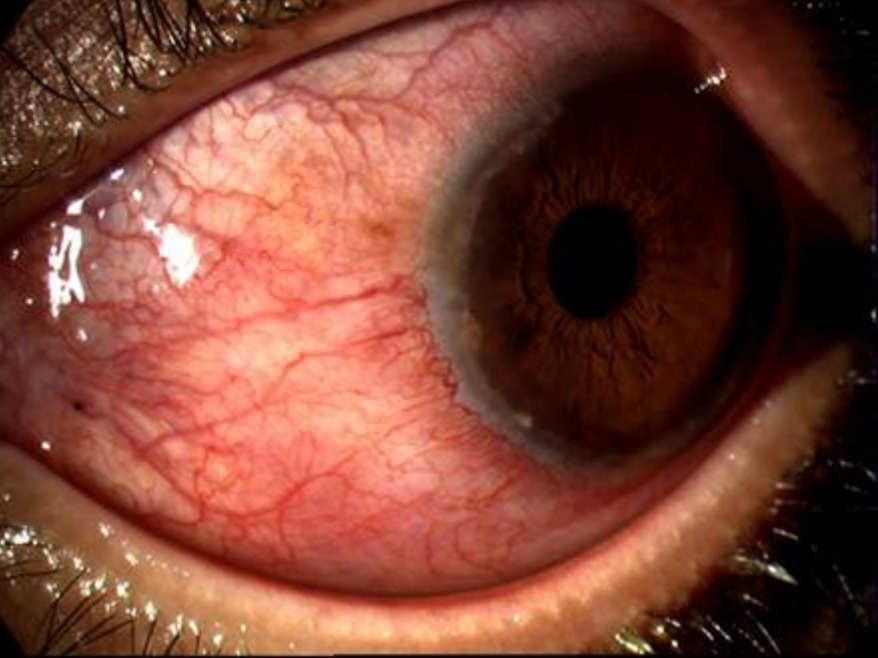
Episcleritis

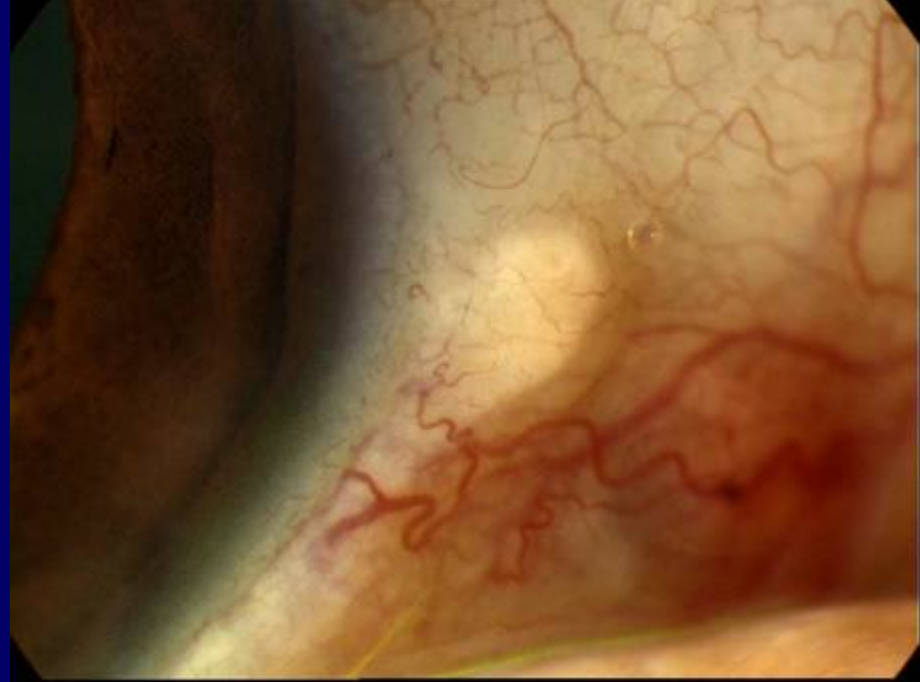
- **Superficial**
- Idiopathic, collagen vascular disorder (RA)
- Asymptomatic, mild pain
- Self-limiting or topical treatment



Scleritis

- Deep
- Idiopathic
- Collagen vascular disease (RA, AS, SLE, Wegener, PAN)
- Zoster
- Sarcoidosis
- Dull, deep pain wakes patient at night
- Systemic treatment with NSAID or Prednisolone if severe





Uveitis

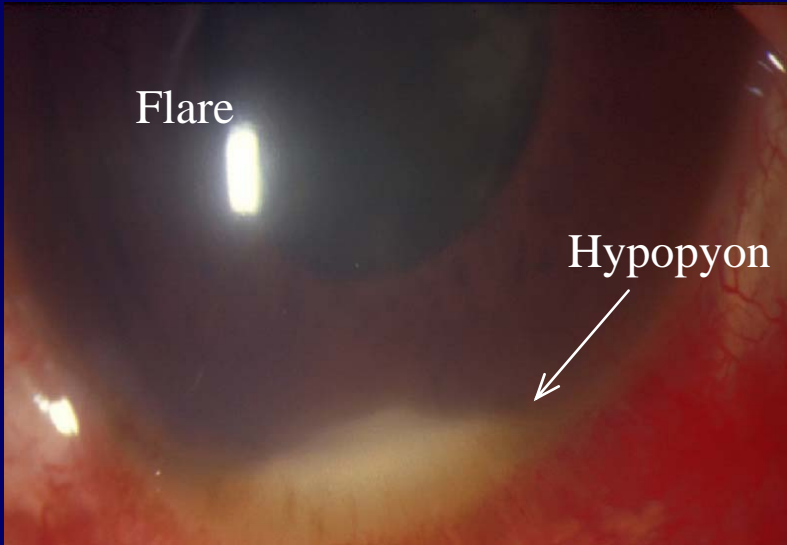
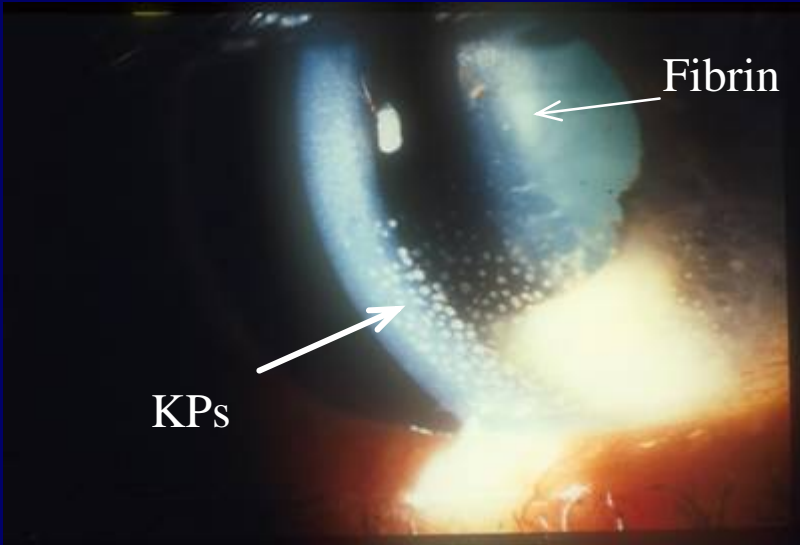
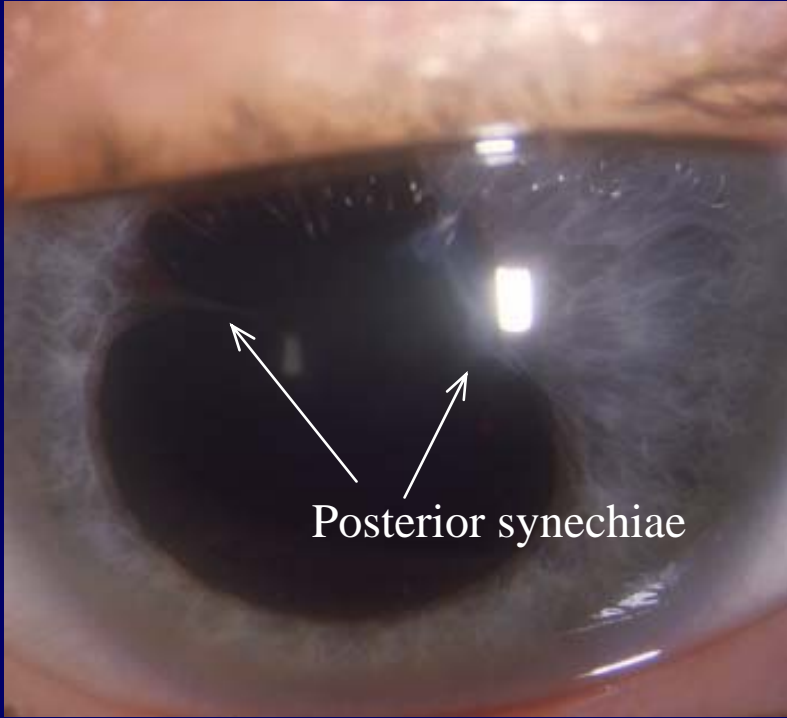
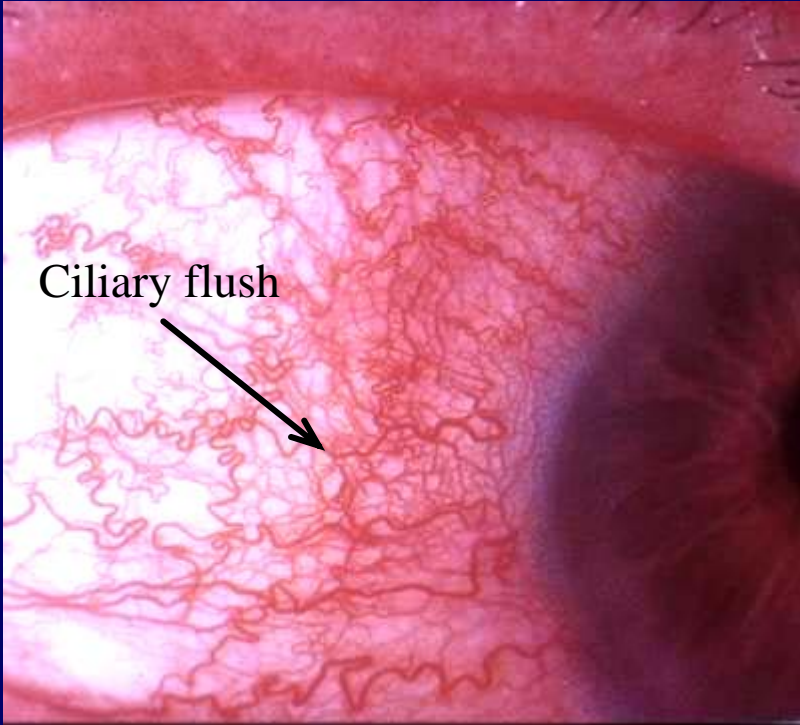
Anterior: acute recurrent and chronic

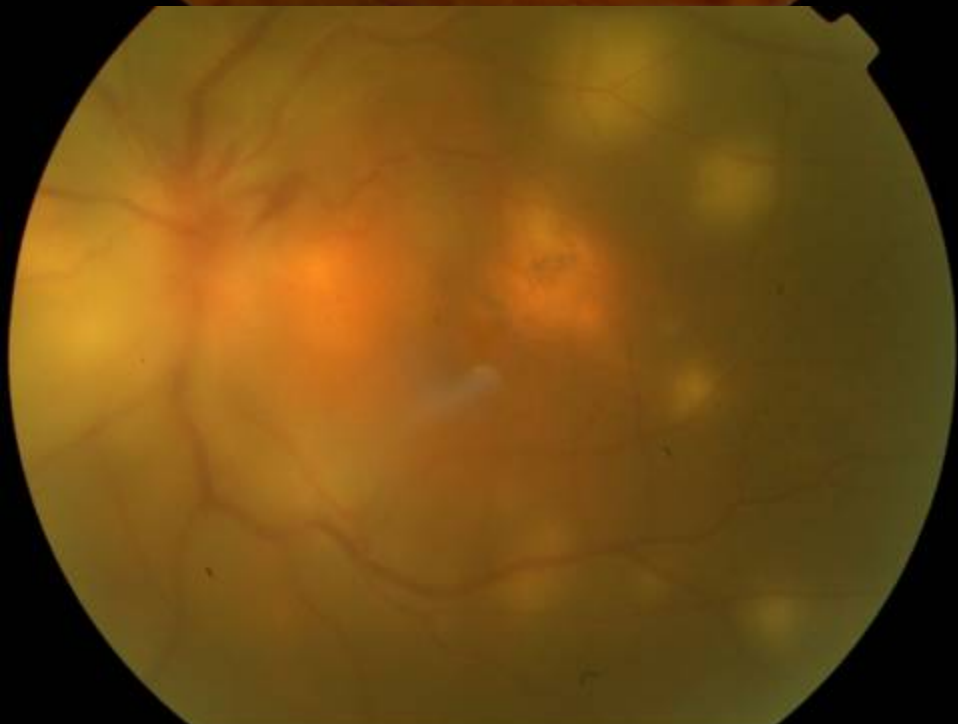
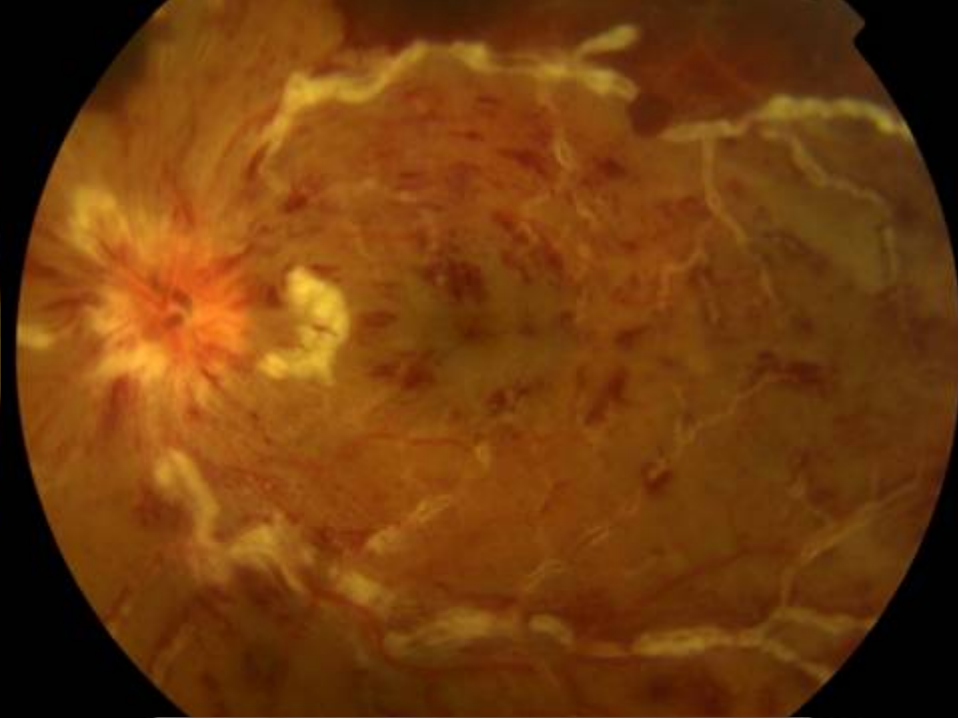
Posterior: vitritis, retinal vasculitis, retinitis,
choroiditis

Panuveitis: anterior and posterior

Anterior uveitis (iritis)

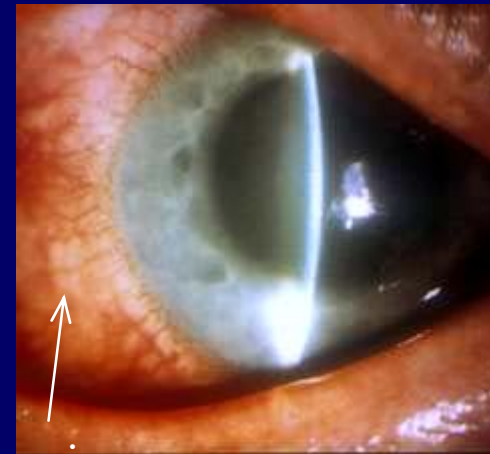
- Photophobia, red eye, decreased vision
- Idiopathic. Commonest
- Associated to systemic disease
 - Seronegative arthropathies: AS, IBD, Psoriatic arthritis, Reiter's
 - Autoimmune: Sarcoidosis, Behcets
 - Infection: Shingles, Toxoplasmosis, TB, Syphillis, HIV



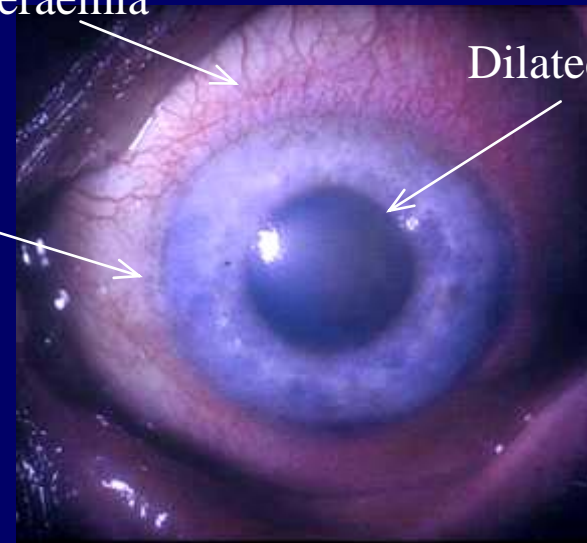


Acute Angle-closure Glaucoma

- Symptoms
 - Pain, headache, nausea-vomiting
 - Redness, photophobia,
 - Reduced vision
 - Haloes around lights



Ciliary hyperaemia



Corneal oedema

Dilated pupil





