

Red Eye

- Lid
 - Blepharitis
- Lacrimal system
 - Dacryocystitis
- Conjunctiva
 - Conjunctivitis
 - Pterygium & Pinguecula

Low risk

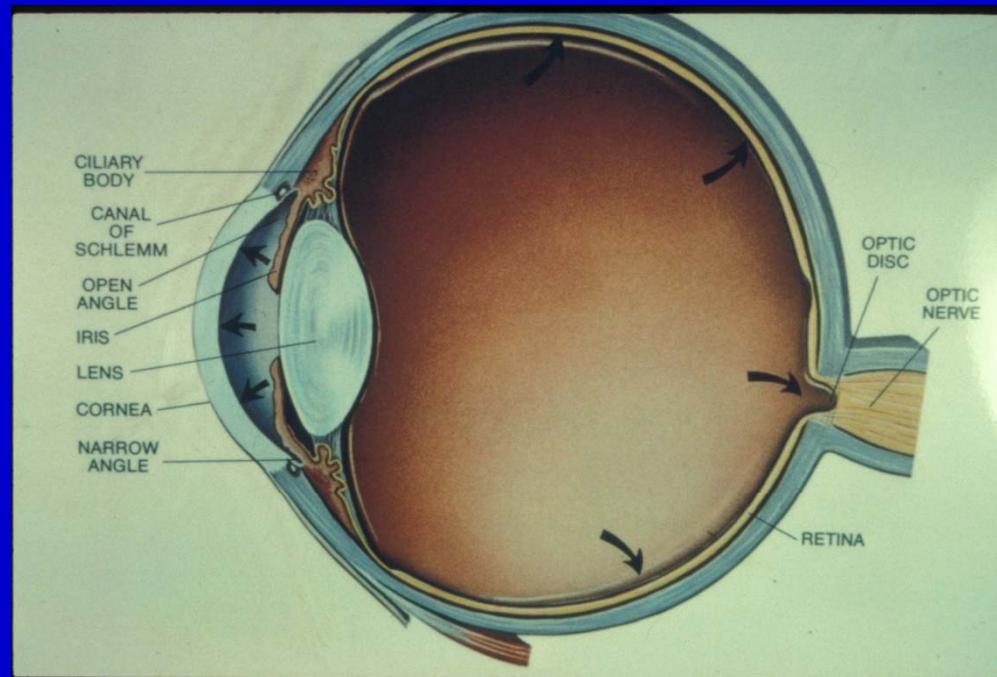
Red Eye

- Acute uveitis
- Scleritis
- Acute glaucoma
- Corneal defects
 - Abrasion
 - Ulceration

High risk

•Uveitis

Inflammation of the uveal tract

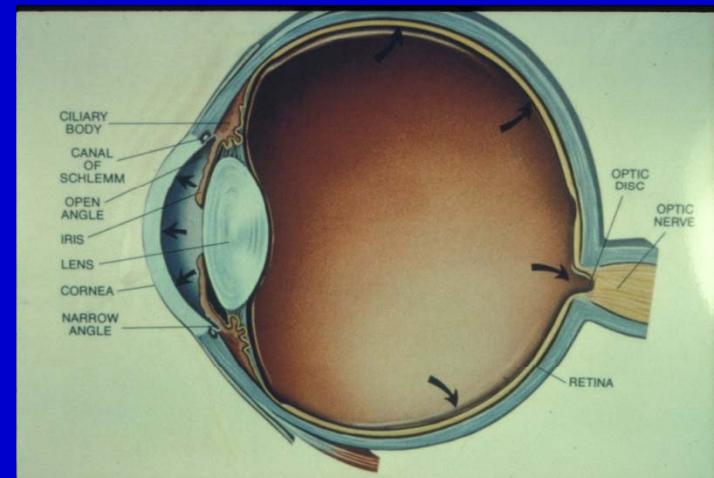


Uveitis : Classification

- Anatomical
- Clinical
- Etiological
- Pathological

Uveitis : Anatomical Classification

- Anterior uveitis
- Intermediate uveitis
- Posterior uveitis
- Panuveitis



Uveitis : Clinical classification

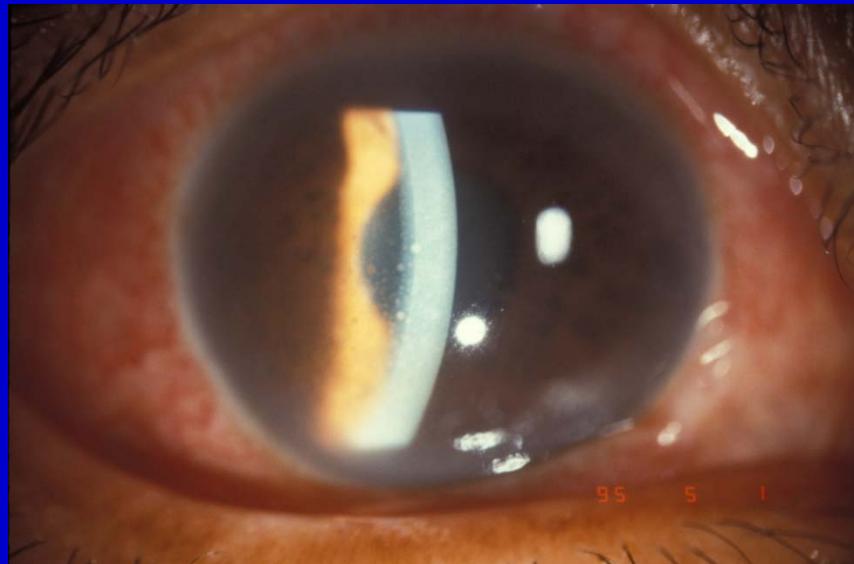
- **Acute**
 - Sudden onset
 - < 6 week persistence
 - Recurrent
- **Chronic**
 - Prolonged persistence
 - Less symptomatic

Uveitis : Etiological Classification

- Exogenous
- Endogenous
 - @ systemic diseases
 - Infectious
 - Idiopathic

Uveitis : Pathological Classification

➤ Granulomatous



➤ Nongranulomatous



Anterior Uveitis

➤ Symptoms

- Photophobia
- Pain
- Decreased vision
- Lacrimation
- Red eye

➤ Signs

- Ciliary injection
- Keratic precipitates
- Aqueous cells/flare
- Iris atrophy
- Synechiae



Intermediate Uveitis

- Symptoms
 - Floaters
 - Decreased vision
- Signs
 - Vitreous cells

Posterior uveitis

- **Signs**
 - Vitreous cells/flare & opacities
 - Choroiditis
 - Retinitis
 - Vasculitis
- **Symptoms**
 - Floaters
 - Impaired vision

Uveitis & Arthritis

- Ankylosing spondylitis
- Reiter's syndrome
- Psoriatic arthritis
- Juvenile RA



Uveitis & Systemic diseases



➤ Non-infectious

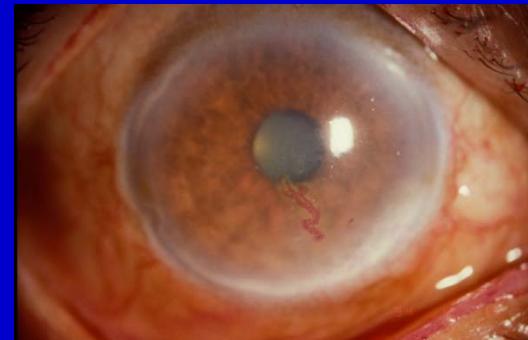
- Sarcoidosis
- Behcet's disease
- Vogt-Koyanaki-Harada syndrome

➤ Infectious

- AIDS
- Acquired syphilis
- Tuberculosis
- Leprosy

Uveitis & Infections

- Parasite
 - Toxoplasmosis
 - Toxocariasis
- Fungus
 - Histoplasmosis
 - Candidiasis
- Virus
 - Herpes zoster
 - Herpes simplex
 - Congenital rubella



Treatment of Uveitis

➤ Goals

- Prevent visual complications
- Relieve discomfort
- Treat the underlying disease, *if possible*

Treatment of Uveitis

- Cycloplegics / mydriatics
- Relieve ciliary spasm
- Prevent posterior synechia formation
- Synechialysis



Treatment of Uveitis

➤ Steroids

- Topical
- Periocular
- Systemic



➤ Side effects

➤ Ocular

- Glaucoma
- Cataract
- Corneal complications

➤ Systemic

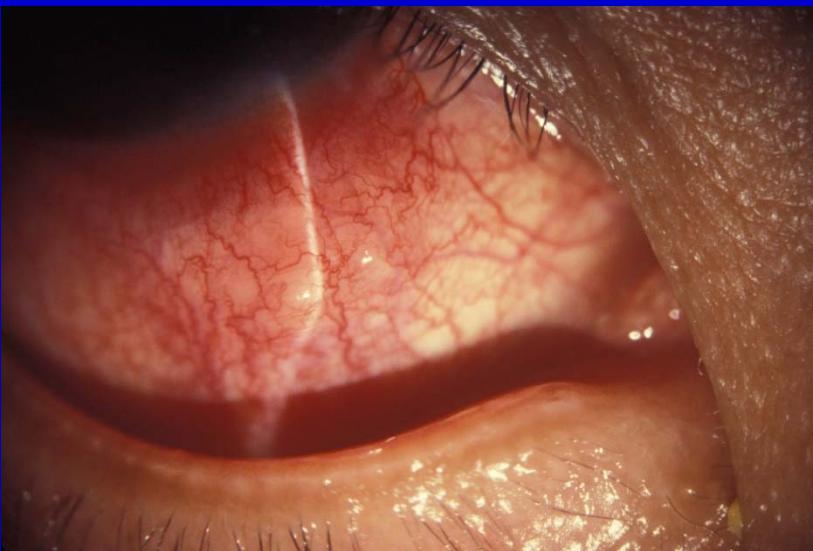
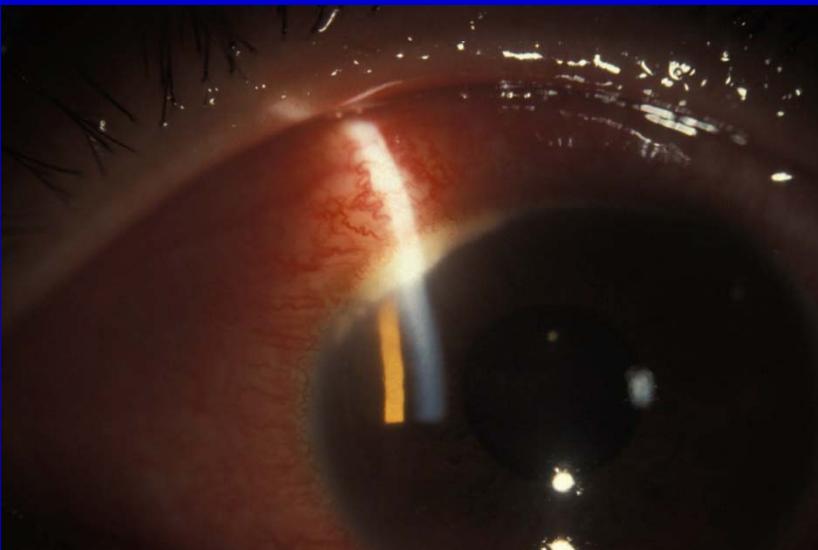
Treatment of Uveitis

- Immunosuppressive agents
- Cytotoxic drugs
- Cyclosporins

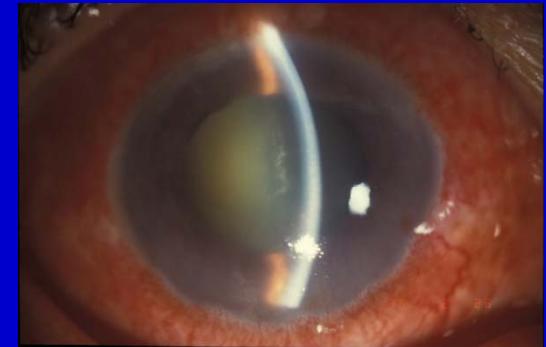
Scleritis

- Diffuse
- Nodular

- Immune disease



•Acute glaucoma

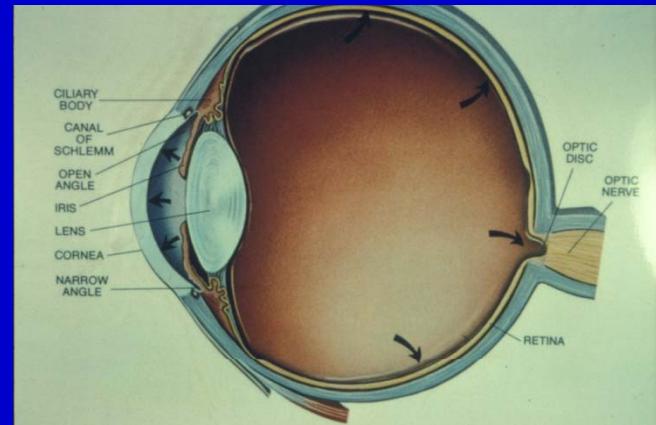


- Angle-closure glaucoma
 - Primary angle-closure glaucoma
 - Secondary
 - Lens dislocation
 - Neovascular glaucoma
- Open-angle glaucoma
 - Acute uveitis
 - Phacolytic glaucoma



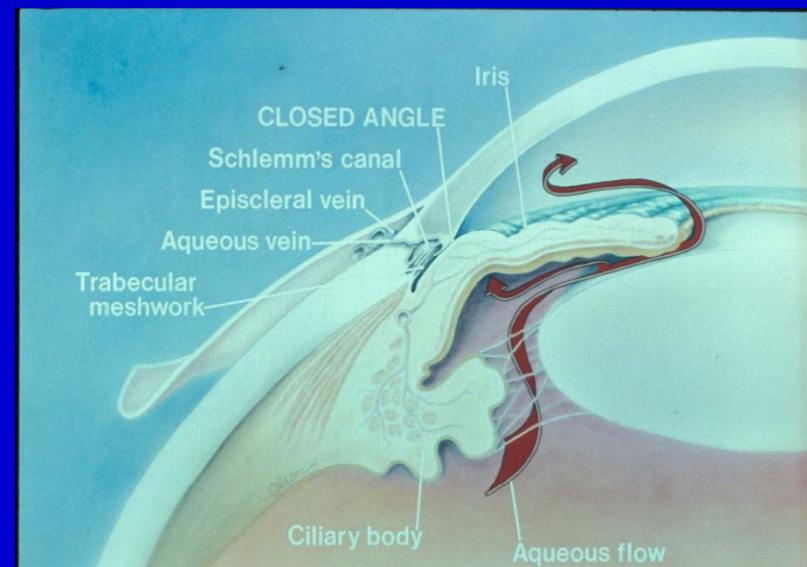
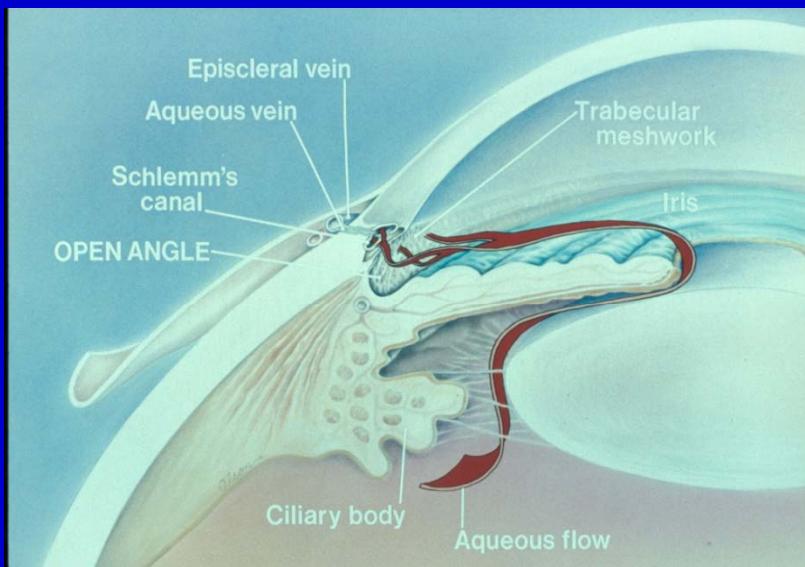
Primary Angle-Closure Glaucoma

- Relatively common in Orientals
- > 40 years
- Women > men
- Risk factors
 - Increased lens thickness
 - Small corneal diameter
 - Short axial length



Primary Angle-Closure Glaucoma

- Mechanism
 - Relative pupillary block
 - Iris bombe
 - Iridotrabecular contact





➤ Open angle



➤ Closed angle

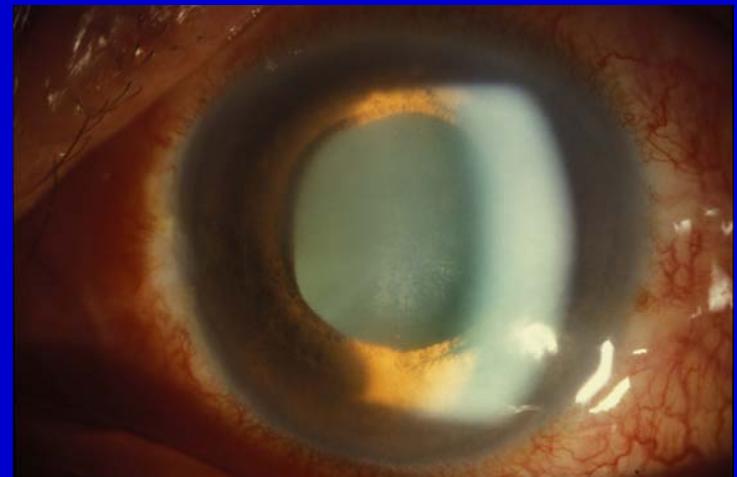
Primary Angle-Closure Glaucoma

- Symptoms
 - Pain
 - Nausea & vomiting
 - Halos
 - Blurred vision
 - Red eye

Primary Angle-Closure Glaucoma

➤ Signs

- Ciliary flush
- Elevated IOP
- Corneal edema
- Fixed, oval, dilated pupil
- Glaukomflecken



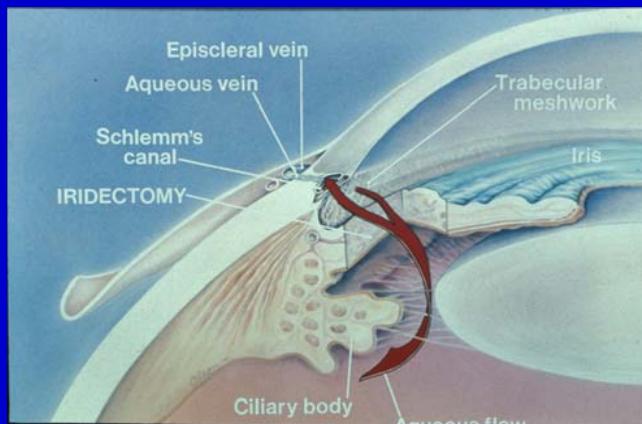
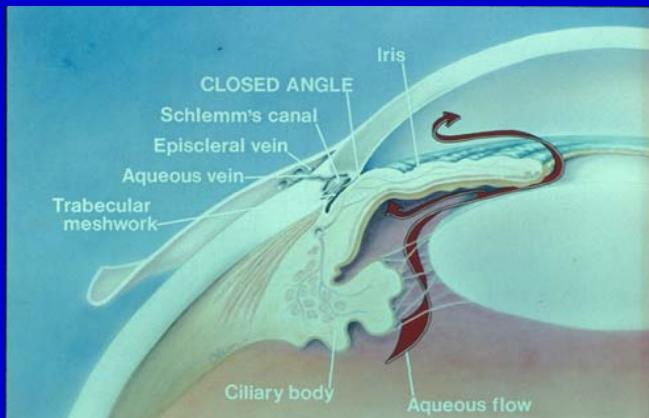
Primary Angle-Closure Glaucoma

- **Medical Rx**

- **Hyperosmotic agents**
- **Carbonic anhydrase inhibitors**
- **Beta-blockers**
- **Alpha 2 agonists**
- **Miotics**

PACG Surgical Rx

Iridectomy : the definitive Rx



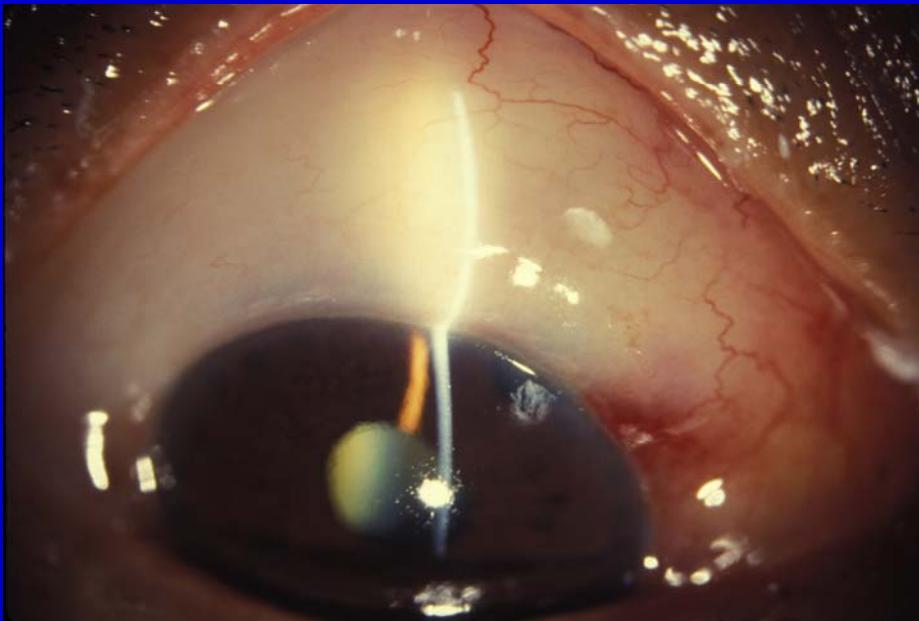
PACG Surgical Rx

Goniosynechialysis



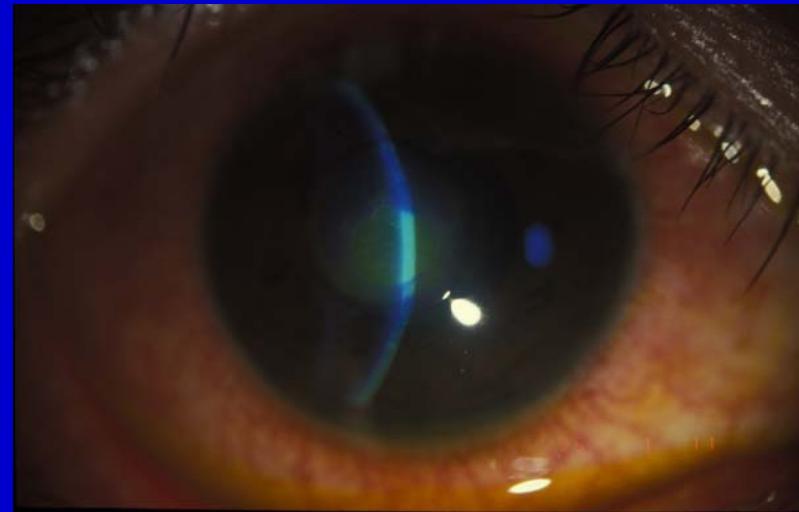
PACG Surgical Rx

Filtering surgery : trabeculectomy



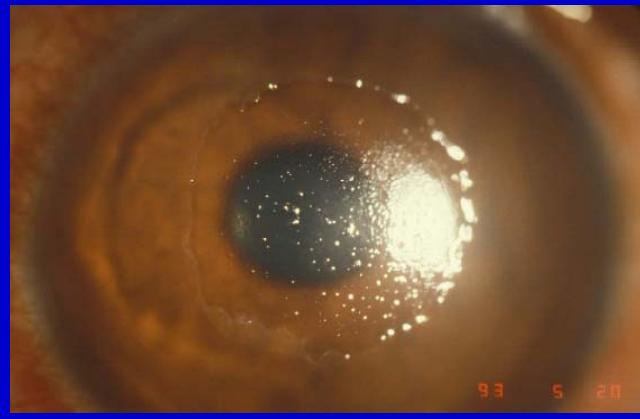
•Corneal abrasion

- **Symptoms**
 - Pain
 - Lacrimation
 - Photophobia
 - Blurred vision
 - Red eye
- **Signs**
 - Ciliary injection
 - Irregular light reflex
 - Fluorescein staining



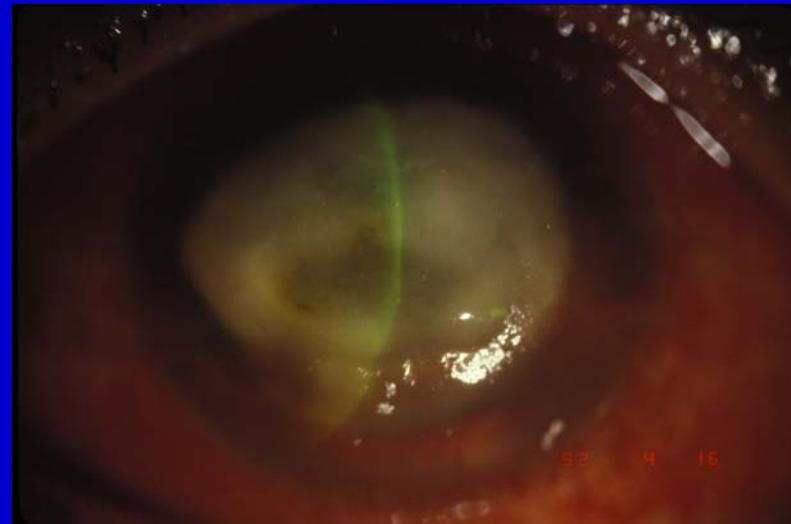
Corneal Abrasion Rx

- Pressure patching
- Debridement
- Contact lens
- Lubrication
- Stromal puncture



• Corneal Ulceration

- Infections
 - Bacteria
 - Fungus
 - Parasite
 - Virus



Corneal Ulceration Rx

- Antimicrobial agents
- Cycloplegics
- Steroids

