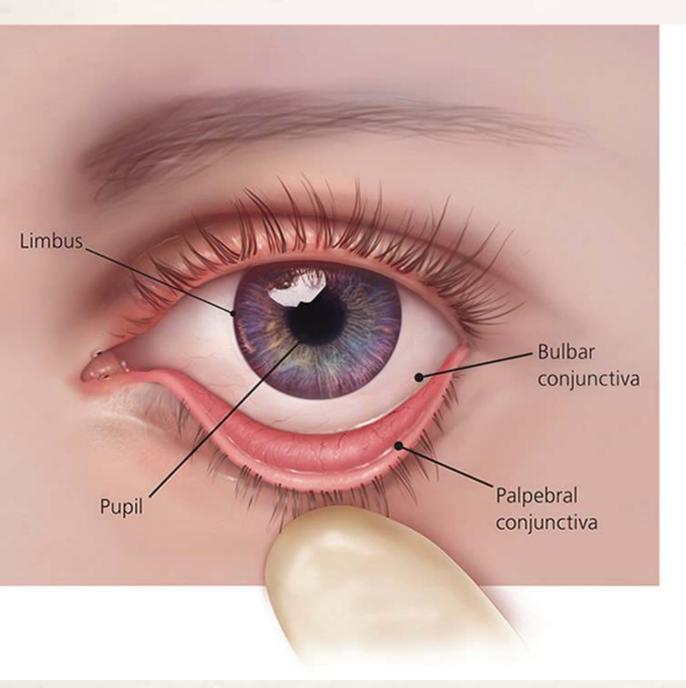


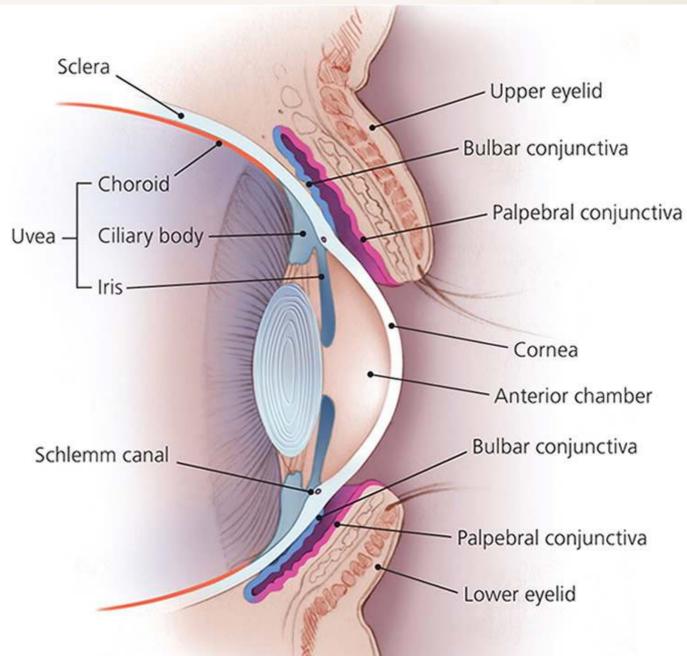
Common Eye Diseases

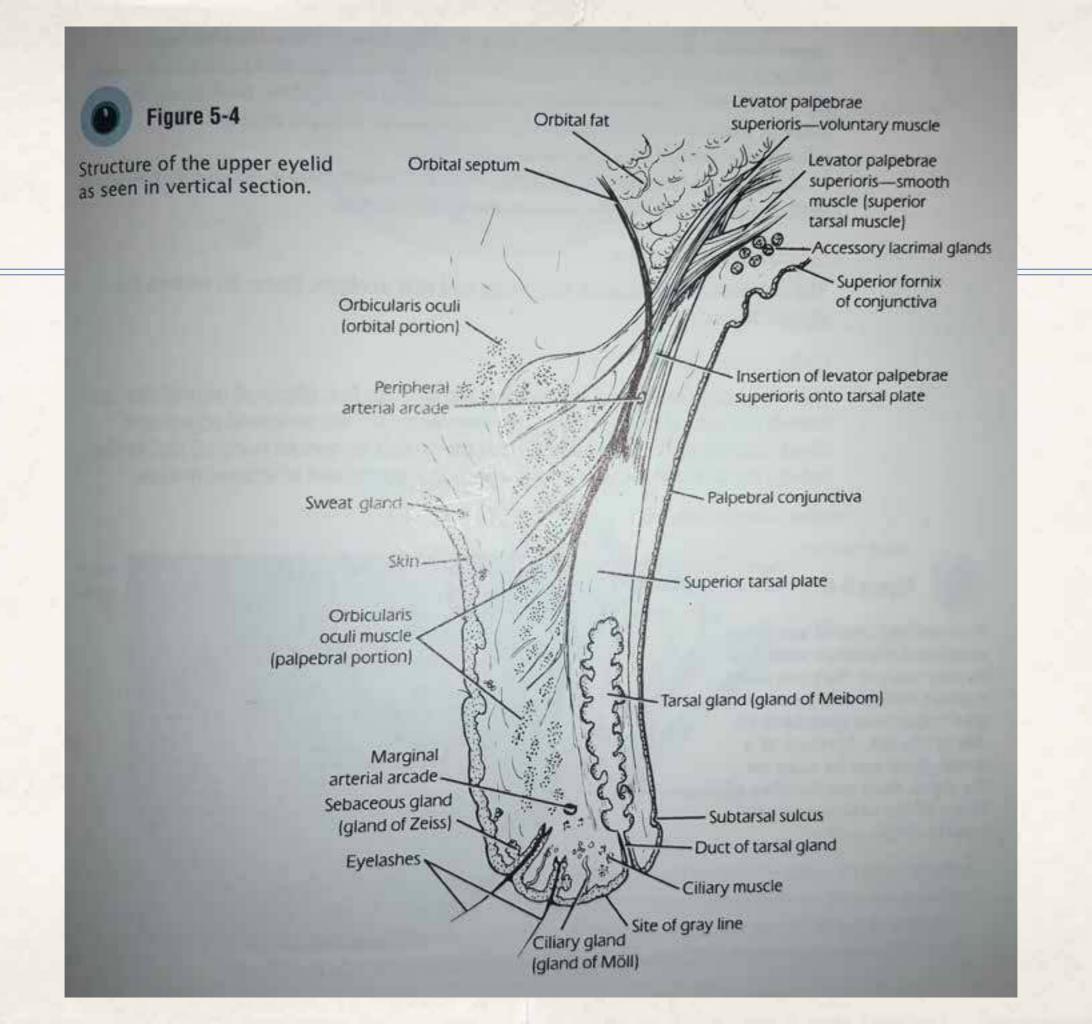
- Eye, Brain and Vision;
 David H.Hubel
- Clinical Anatomy of the Eye;
 Richard Snell, Michael Lemp
- North Queensland Eye Clinic https://nqeyeclinic.com.au/
- Doctors for the Environmeny Australia http://www.dea.org.au

Common Eye Diseases

- Blepharitis
- Conjunctivitis- Keratitis: viral, bacterial, allergic
- Cataracts
- Glaucoma: open vs closed angle
- * Age Related Macular Degeneration (ARMD): Dry vs Wet
- Diabetic Retinopathy
- Uveitis, scleritis



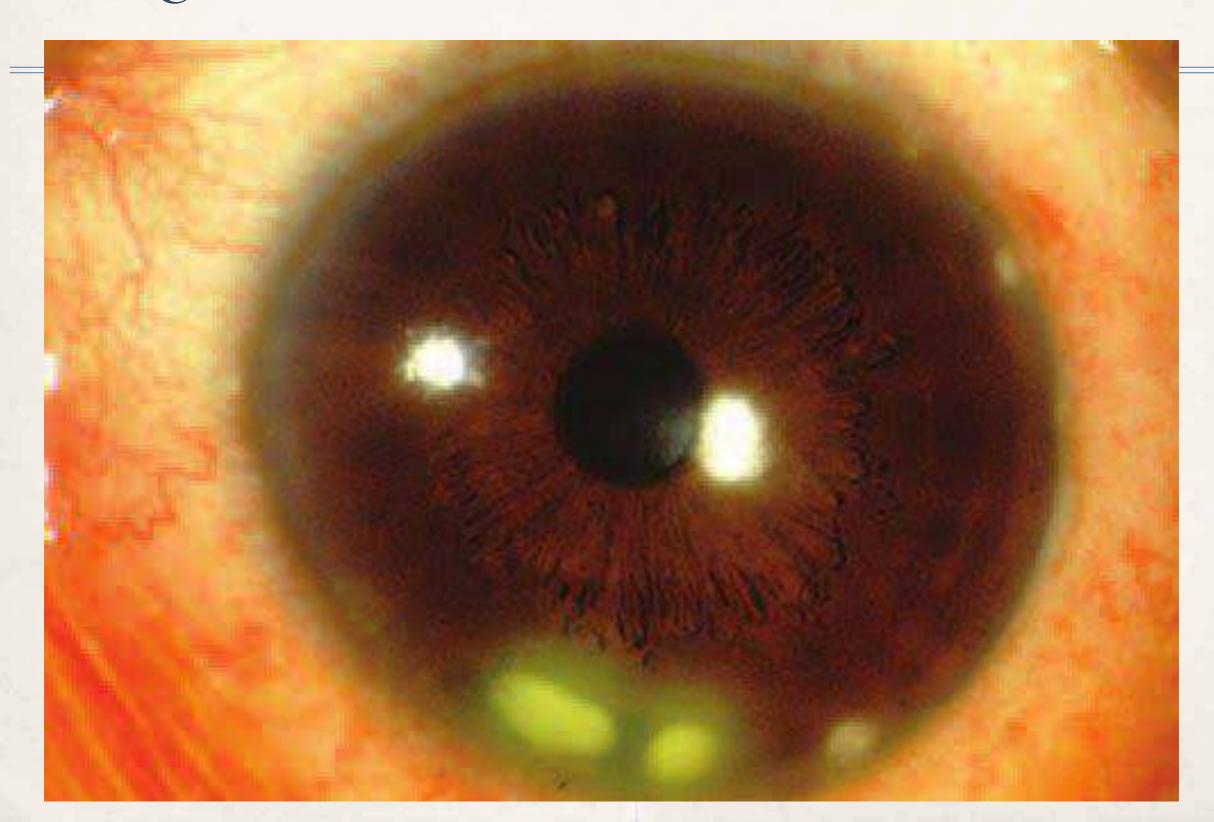




Blepharitis and Chalazion



Marginal Keratitis

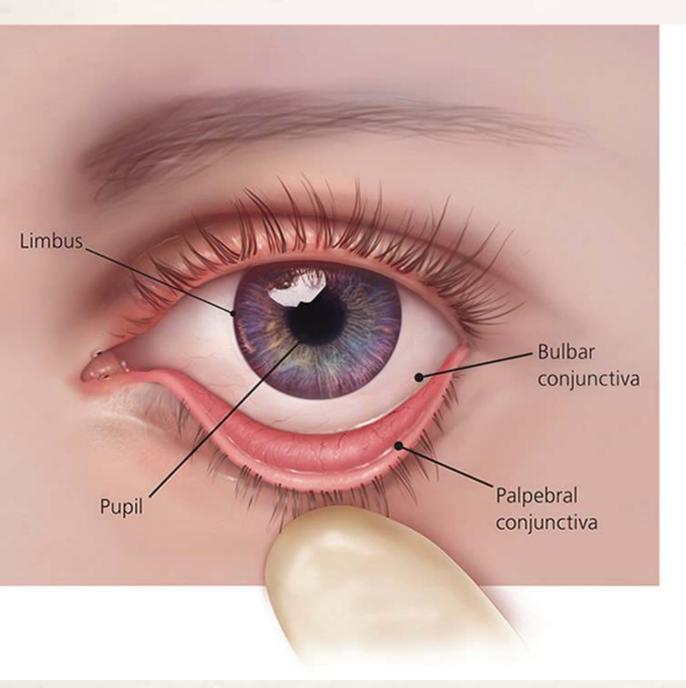


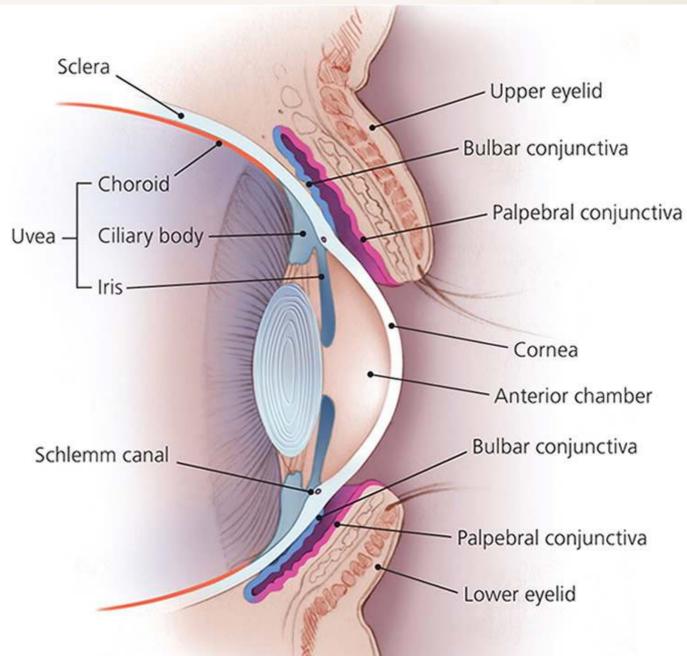
- Gritty eyes
- Watery and yellow discharge
- Reduced vision

- Eyelid hygeine
- Hot Compresses
- Lubricating drops and occasionally steroid eye drops
- Antibiotics are hardly ever indicated

Conjunctivitis Viral, allergic and Bacterial



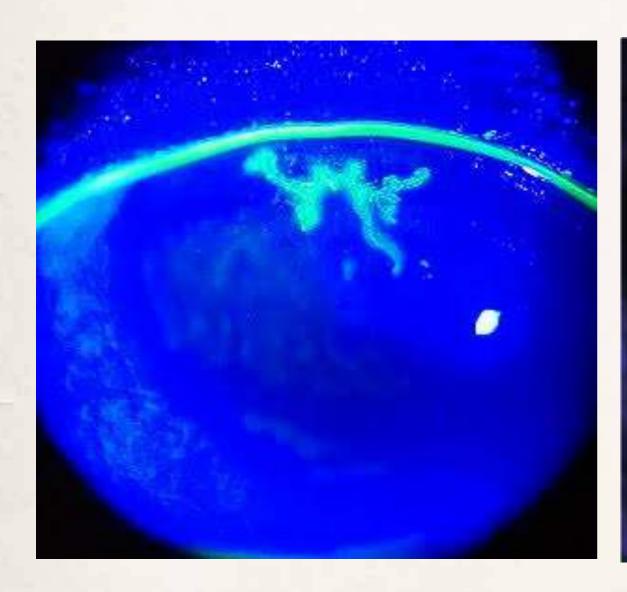


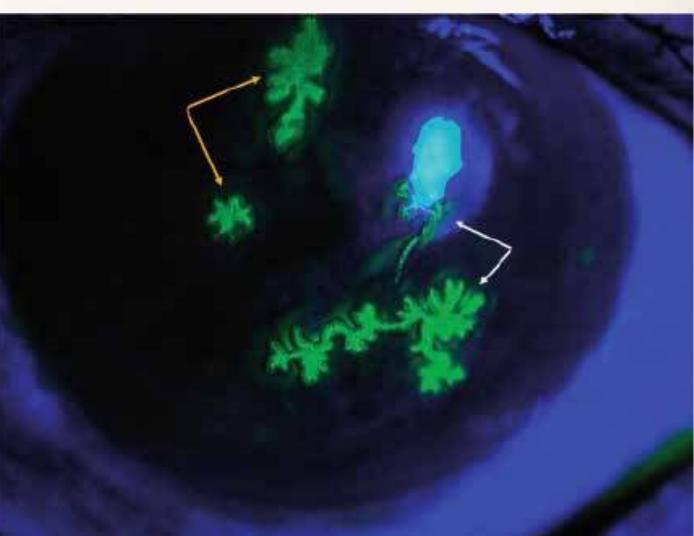


Viral Conjunctivitis (adenovirus)



Viral Keratitis (HSV)





- Itchy and gritty Eye
- Watery discharge
- Reduced vision

- Cold Compresses
- Lubricating drops
- * Rarely needs antibiotics, usually self limiting and resolves after a few days
- Anti-virals in case of HSV infection
- Steroids only if cornea is involved (ophthalmologist)

Allergic Conjunctivitis



- Itchy Eye
- Watery discharge
- Reduced vision slightly

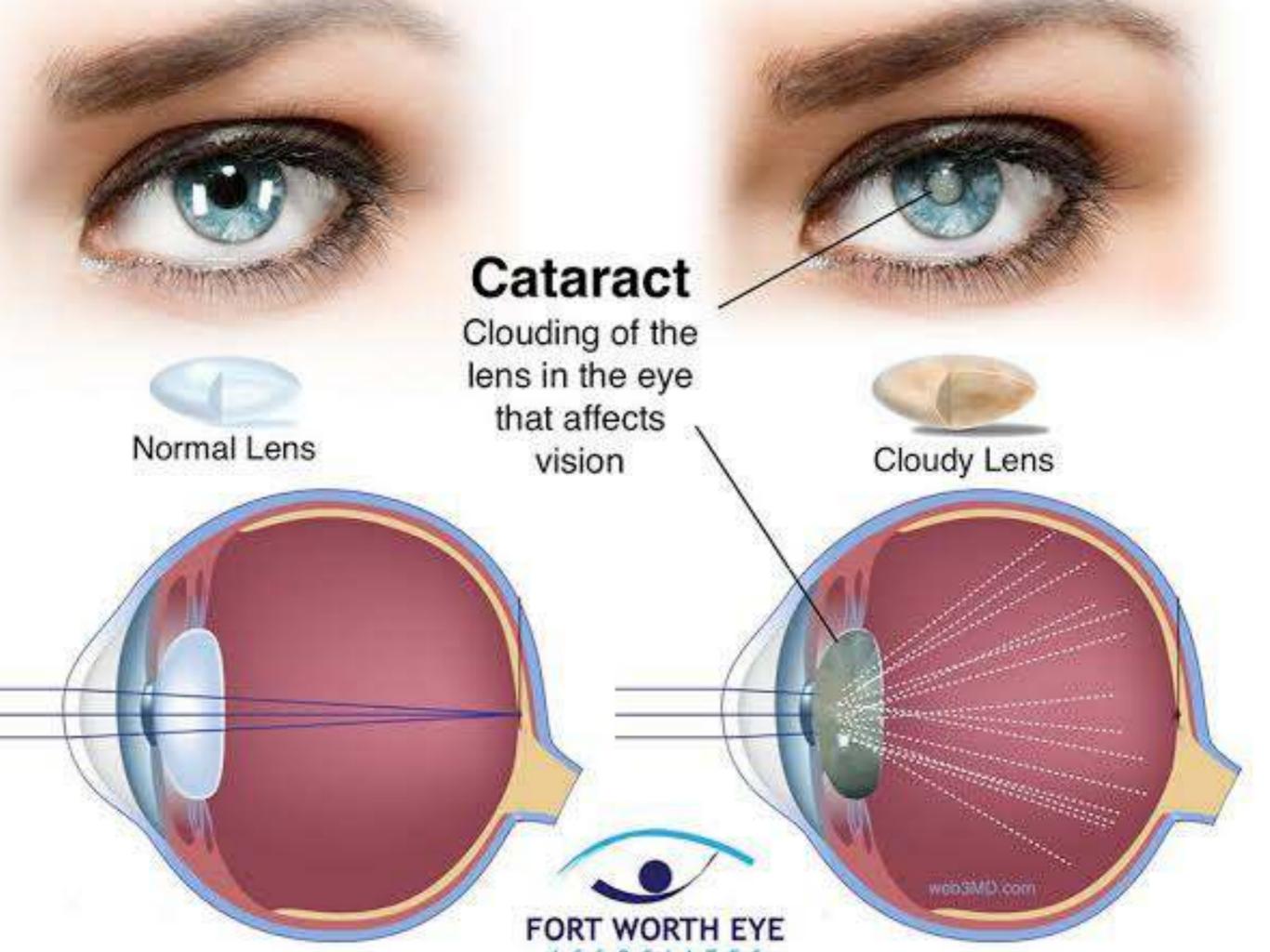
- Cold Compresses
- Cease all existing eye drops
- Perservative free lubricating eye drops
- Steroids eyedrops are often needed, close monitoring is required to avoid complications

Bacterial Keratitis

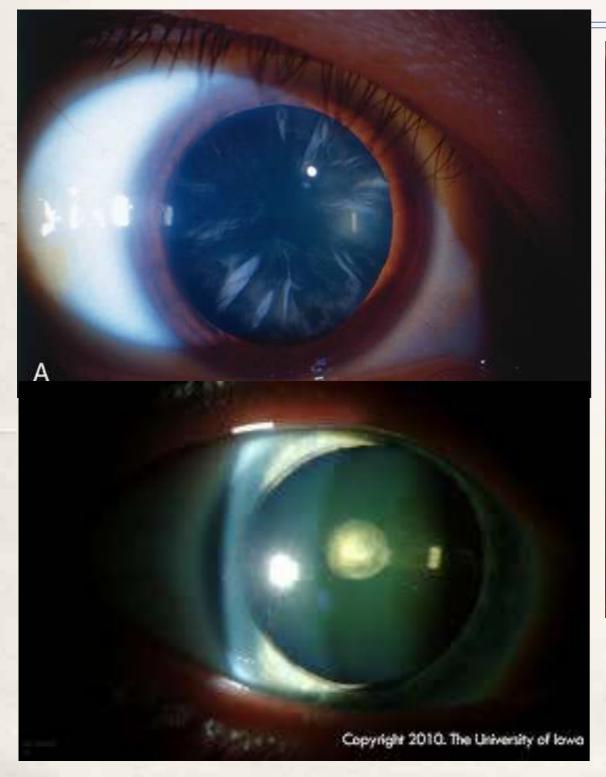


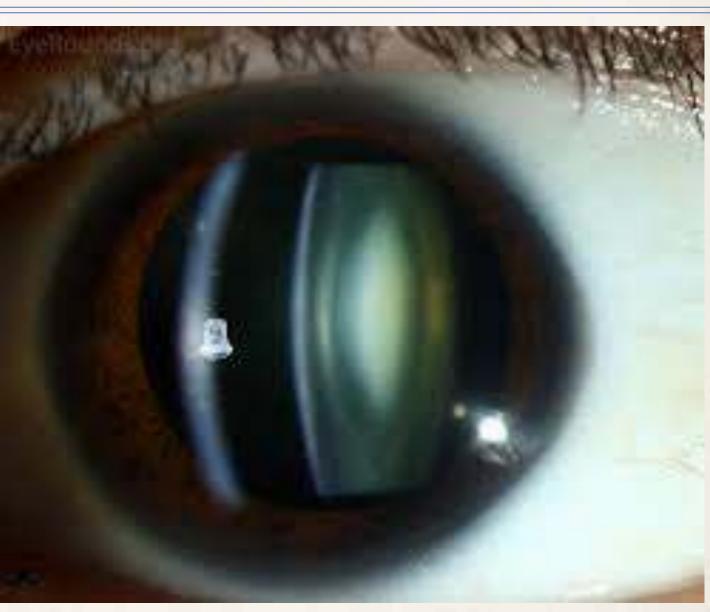
- Itchy, gritty and painful Eye
- Yellow discharge
- Reduced vision significantly

- Medical Emergency
- Often needs hospital admission with intensive topical antibiotics and risk of significant loss of vision

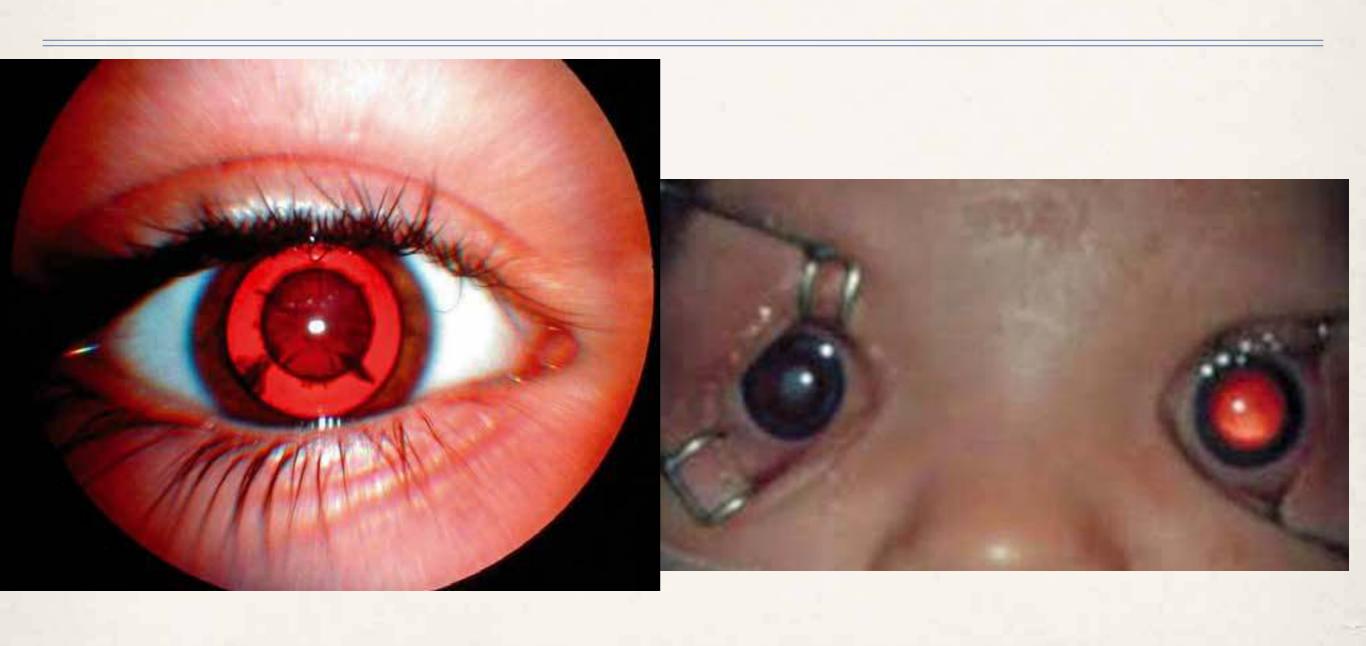


Cataracts





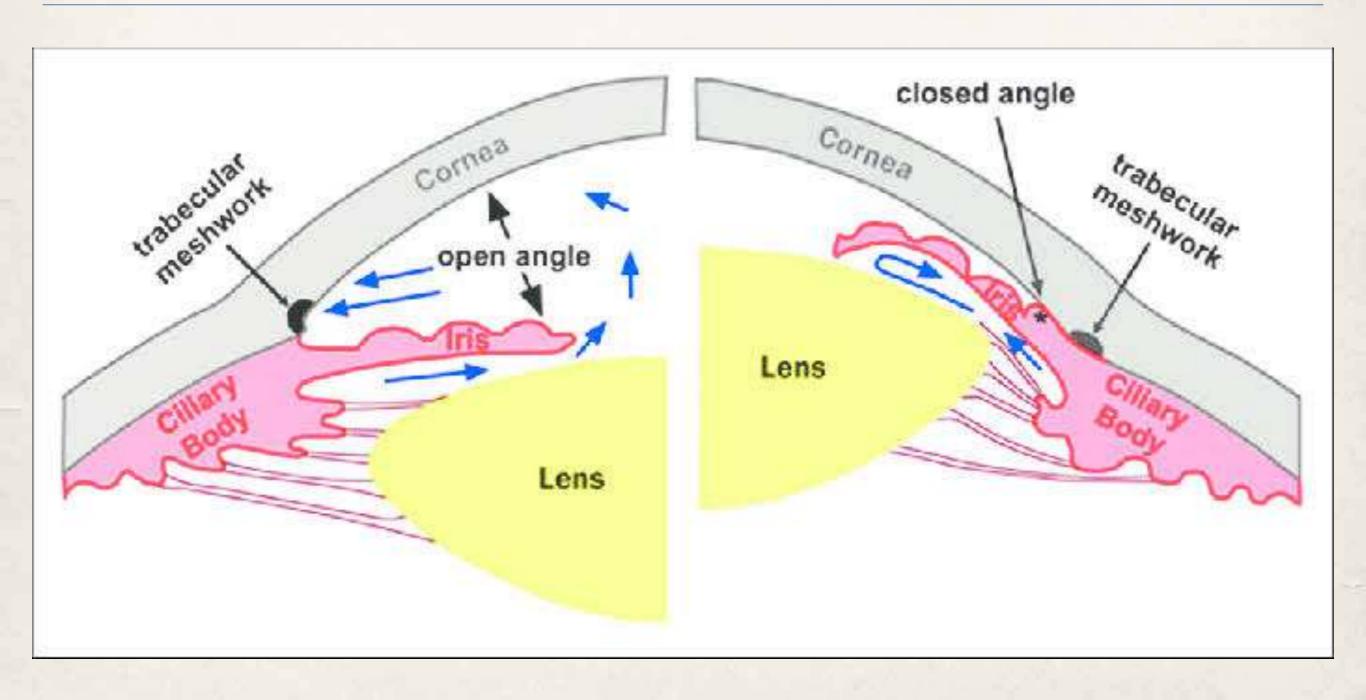
Red Reflex

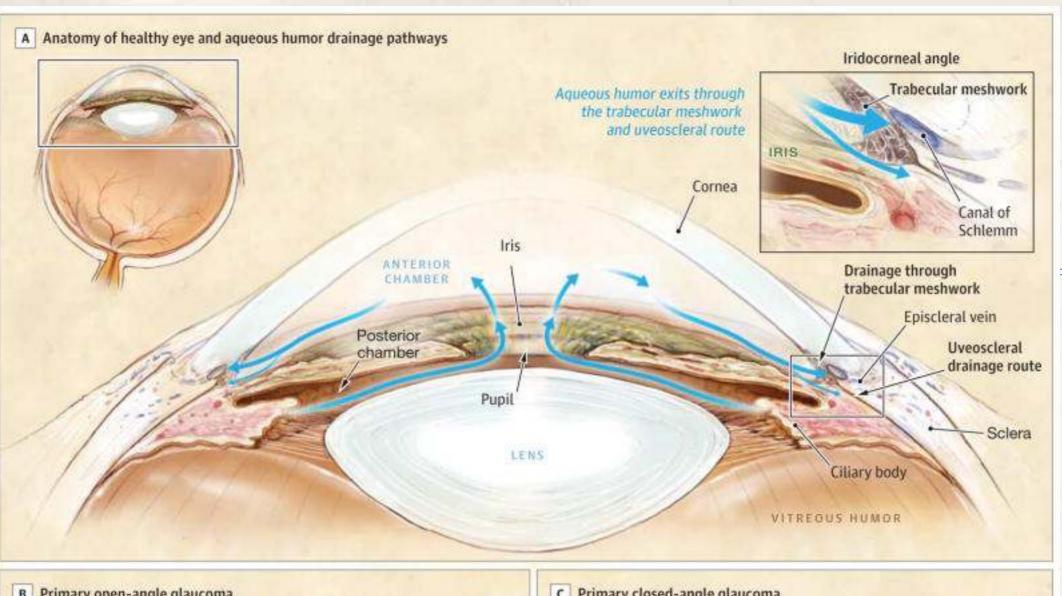


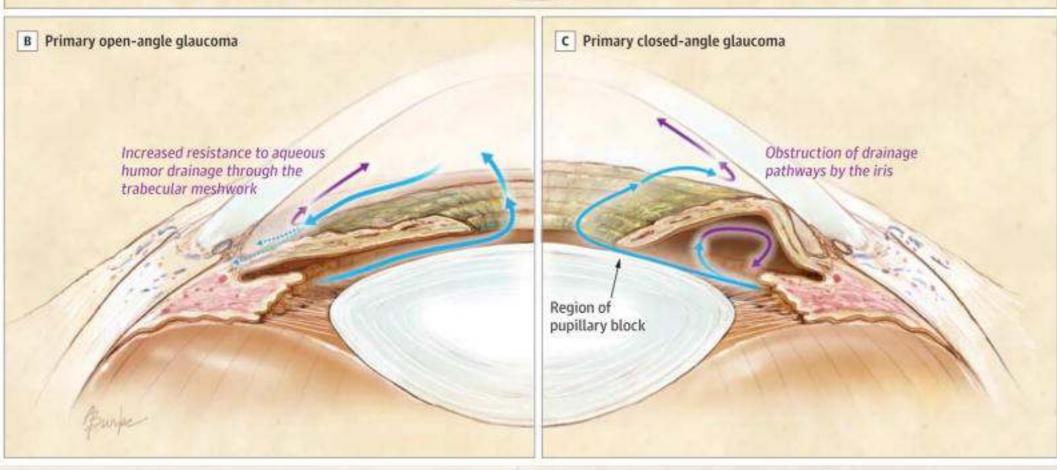
- Reduced visual acuity
- Painless
- Gradual

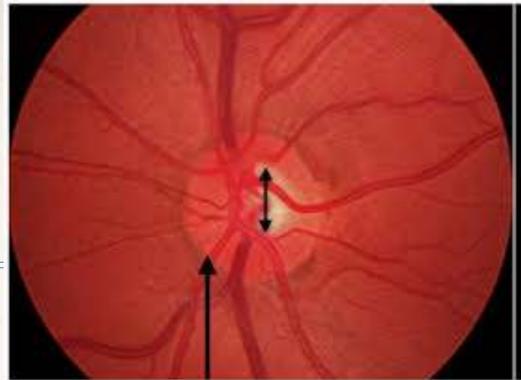
Surgical

Glaucoma Open angle vs closed angle

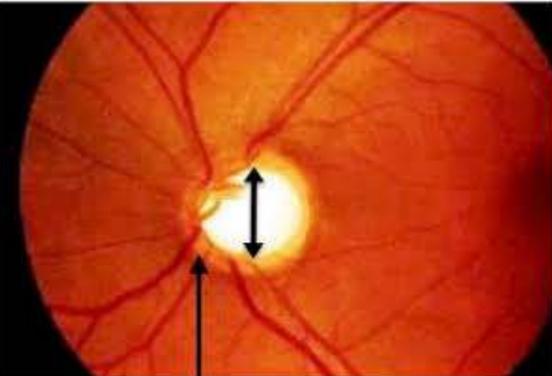




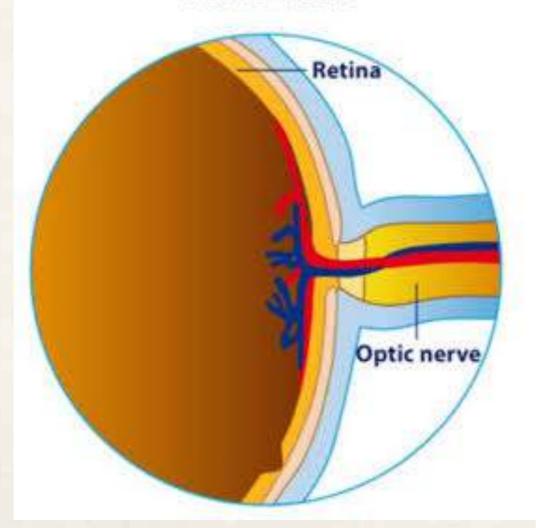


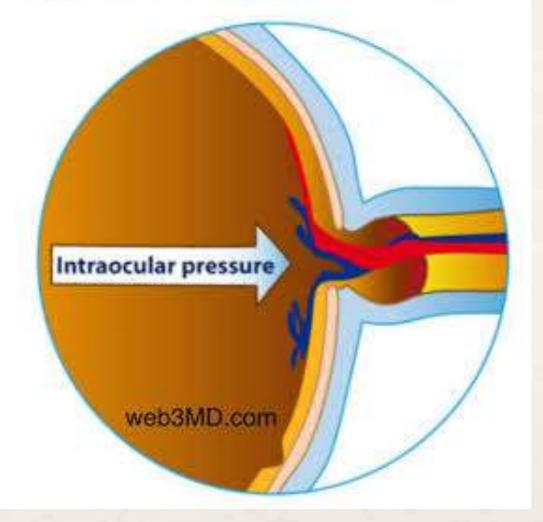


Healthy eye with a normal optic nerve head



Glaucoma eye with glaucomatous cupping of the the nerve head



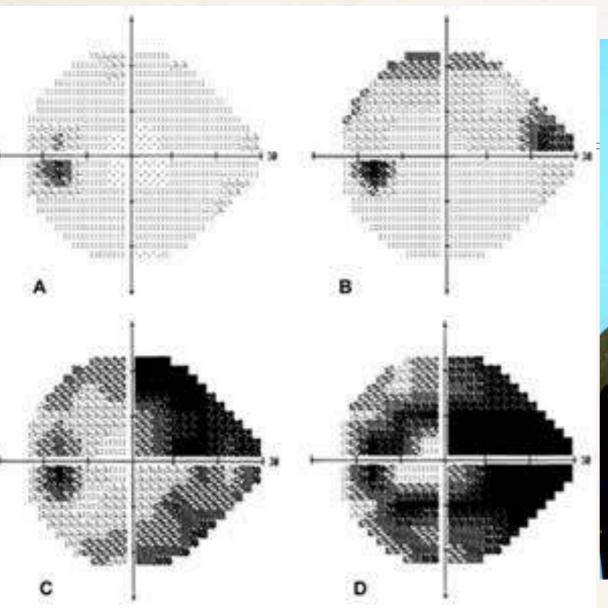


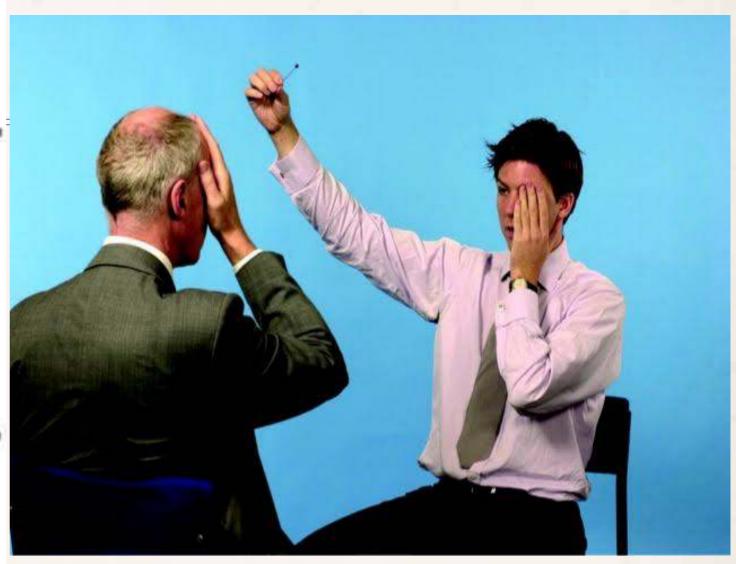
Acute ACG vs POAG

- Sudden loss of vision vs gradual
- Painful vs Painless
- Red vs white eye

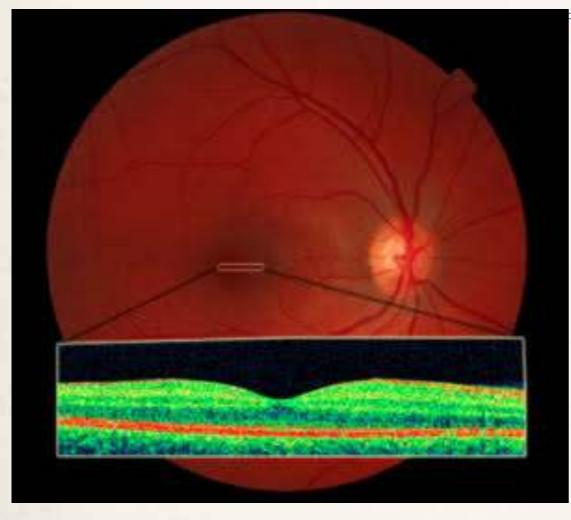
Loss of Peripheral vision to complete loss of vision

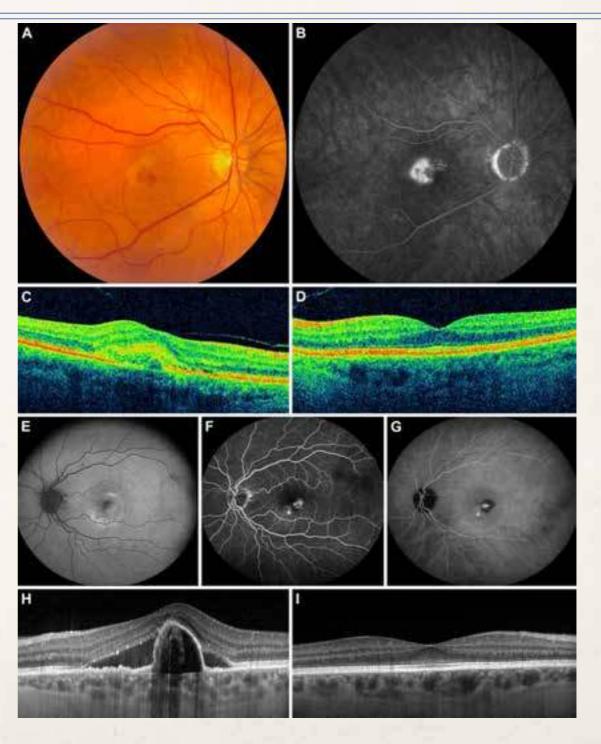
- Topical medications
- Laser treatment
- Surgery

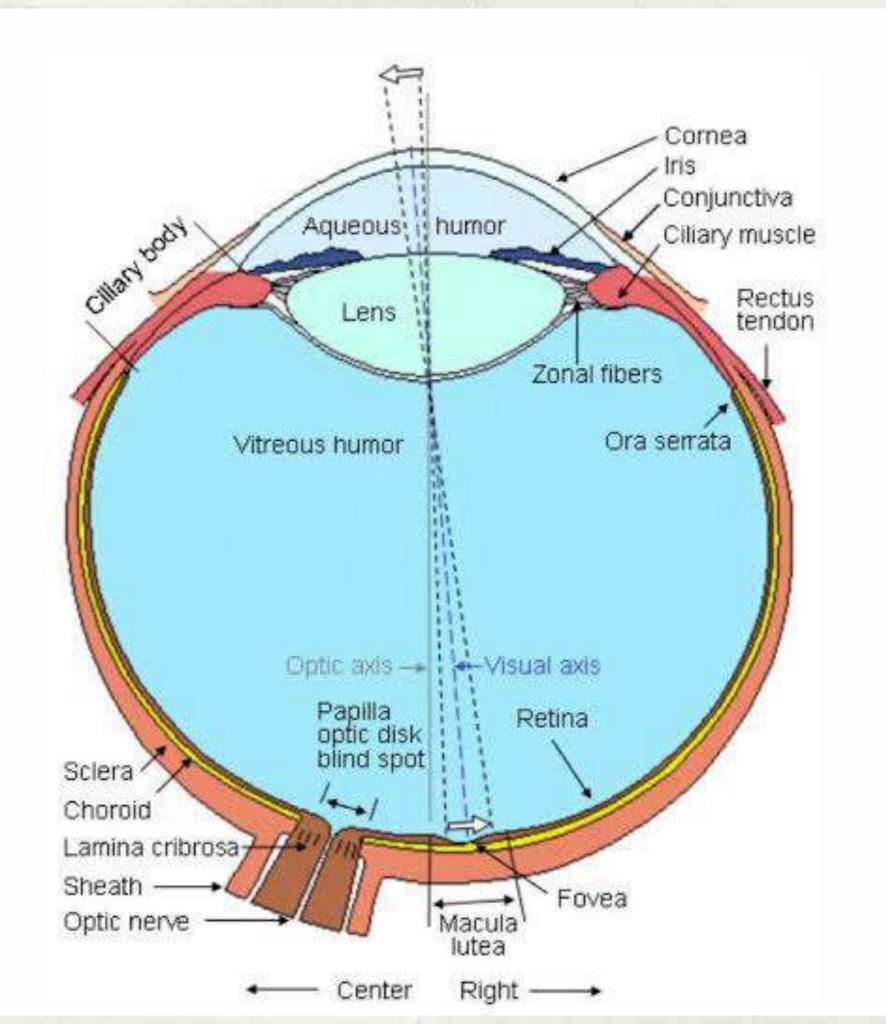




Aged Related Macular Degeneration: Dry vs Wet









- Painless often gradual loss of central vision
- Central scotoma

- Vitamins ACE, cease smoking, improve diet to slow down the progress of the disease.
- Intra-ocular injections of anti-VEGF (Vascular Endothelial Growth Factor)
- Photodynamic therapy, laser photocoagulation

ARMD- examination

Seeing is more - 10 63 59 27 38

Seeing goes beyond the five senses. Seeing is being. 02 54 60 81 43

We see, we are seen and we perceive the optical experience has many facets, 36 75 82 94 19

To read a book, grasp nature's beauty, contemplate a picture neither activity can be taken for granted. To see well is of vital
importance.
23 78 17 91 04

that is chuciel impact on our quality of life. It means communication, comprevension, discovery and experience. Of both principal means of interpersonal communication, seeing is by rights the more significant. 78 32 51 81 49

Larguage can be mounterstood. But the way we nee others and are in turn seen is a spontaneous perception. It procupitates an immediate reaction. Seeing, or to be process the deaths to see better, a also what postspleds our enseeting to get up on their final legs many influentic ago. 26 50 4 51 14 70.

I ambited these is each arteribile deadly sources in the high pressure of the respect. The presidential residence is each are not the high several residence and the form and the high several residence are to several residence to produce things that after a to several residence, as the continuous presidence, and several residence are residenced.

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@ BRITISH JOURNAL OF OPHTHALMOLOGY, 1953;37:521, USED WITH PERMISSION.

The figures indicate the approximate eyesight value for reading distances of iiii 25 cm 25 cm 55 45 cm

- Unilateral: Anterior to the chiasm
- Bilateral: posterior to the Chiasm

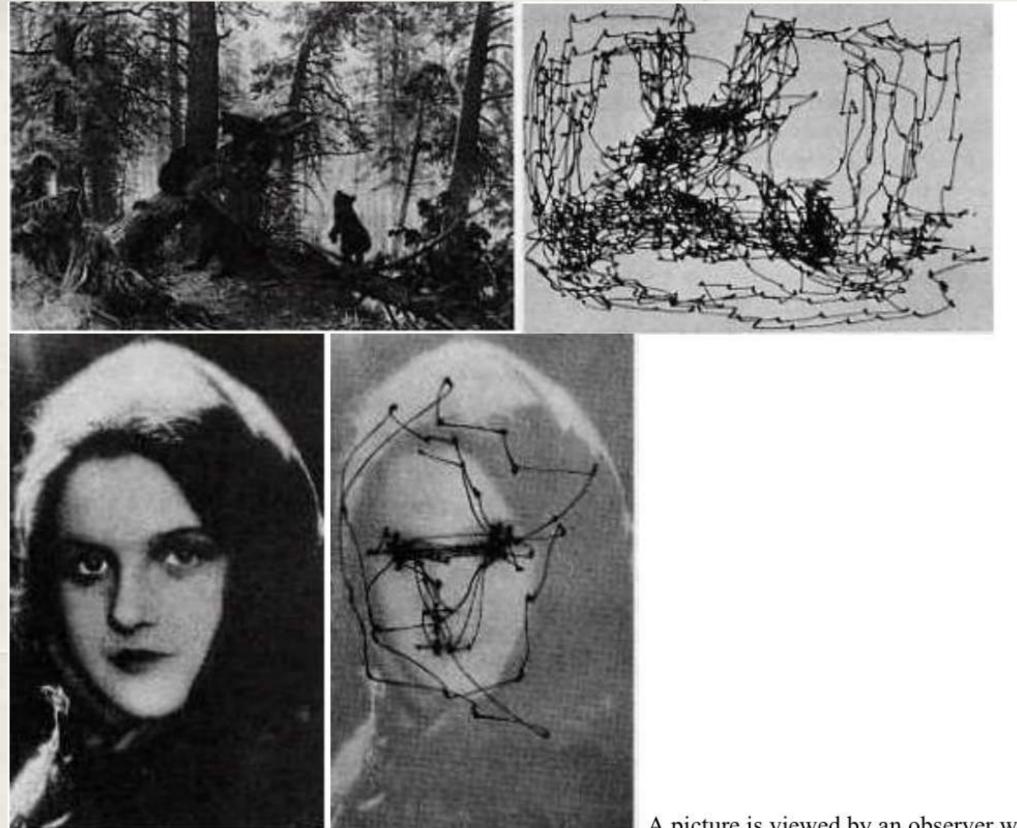
 Sudden and painless onset likely to be a vascular event: Cortical Optic nerve Retinal Vitreous Haemorrhage others: Retinal Detachment Optic Neuritis

- Sudden and painful onset
 Corneal diseases, including eye infections, FB
 Acute Angle Closure Glaucoma
 Uveitis
 Optic Neuritis
- Gradual Onset
 Cataract
 ARMD
 Glaucoma

Other important history symptoms of Giant Cell Arteritis flashes and floaters

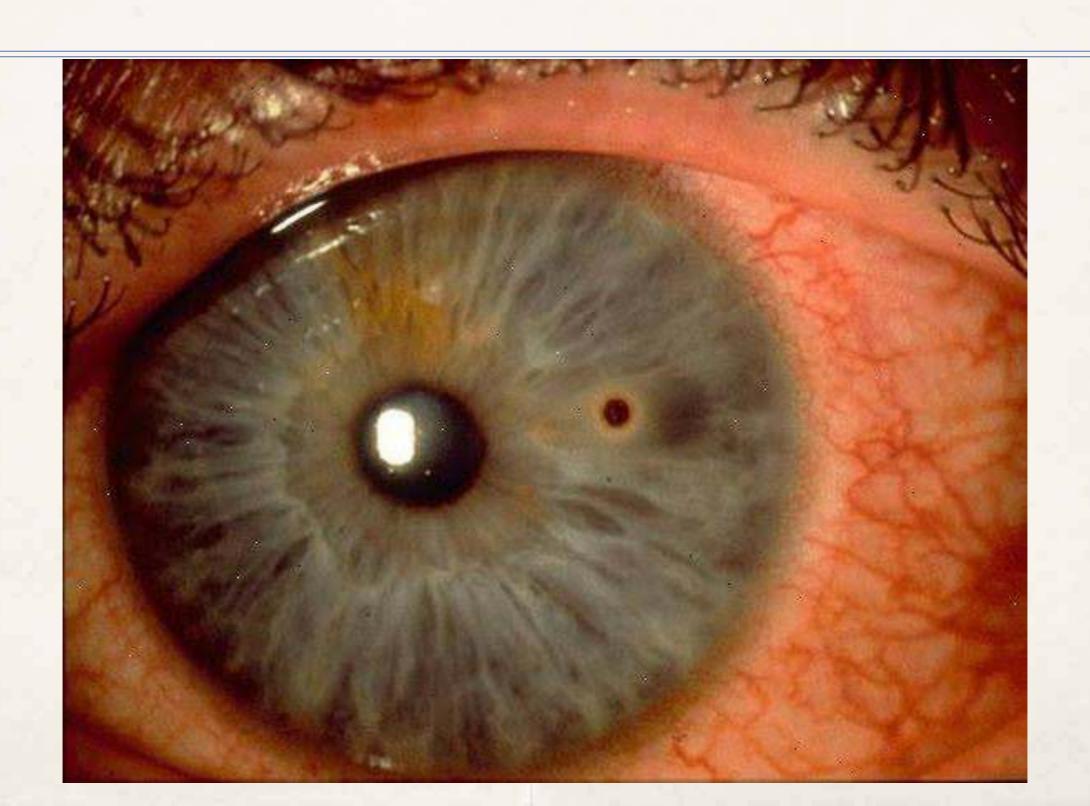
- General Medical History
 Diabetes
 Hypertension
 Cholesterol
 Smoking
- Systems Review
 CNS
 Cardiovascular
 Autoimmune disorders



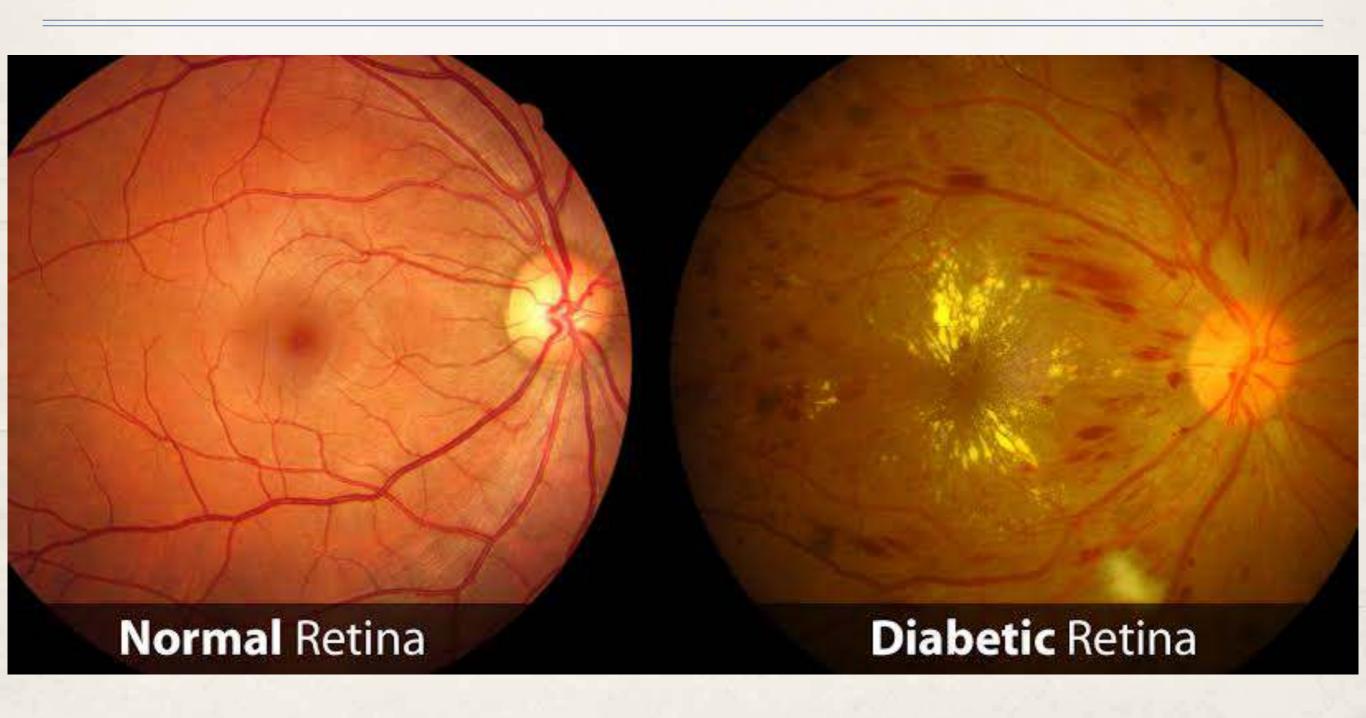


A picture is viewed by an observer while we monitor eye position and hance directinon of gaze. the eyes jump, come to rest momentarily (producing a small dot on the record), then jump to a new locus of interest. It seems difficult to jump to a void—a place lacking abrupt luminance changes.

Corneal Foreign Body



Diabetic Retinopathy



- Loss of vision
- Gradual unless there is heavy bleeding

- Good control of BSLs
- Laser photo-coagulation
- Anti-VEGF injections

