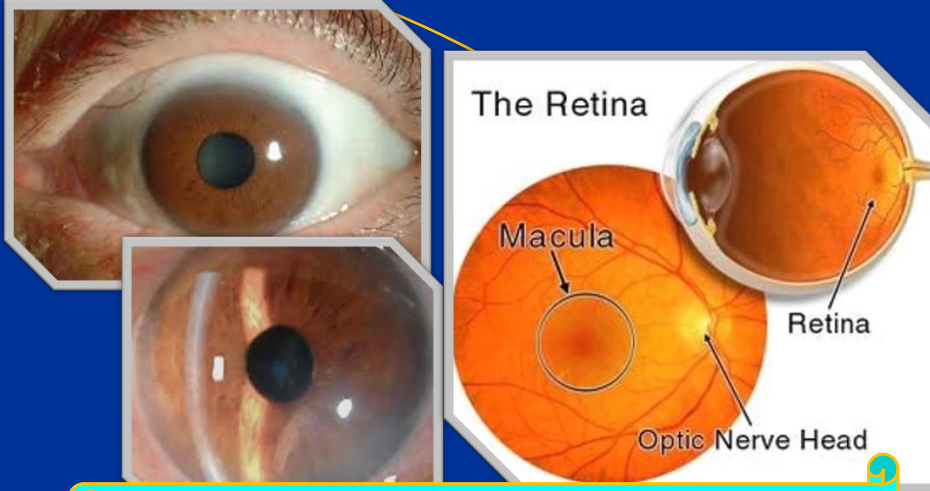


1.3 Confusing Terminology

What is Anterior & Posterior Segment/Chamber



Anterior Segment

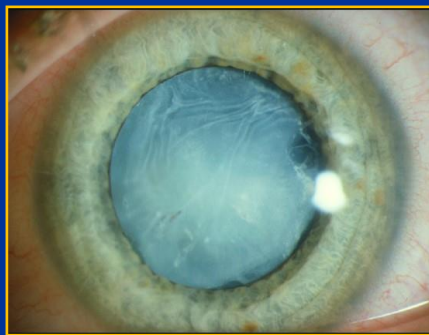
Posterior Segment

Anterior chamber: In front of iris
Posterior chamber: Behind iris
Lens
Behind lens

What is White pearl & Black pearl

White pearl/Black pearl

Cataract / Glaucoma



White pearl
Cataract



Black pearl
Cataract

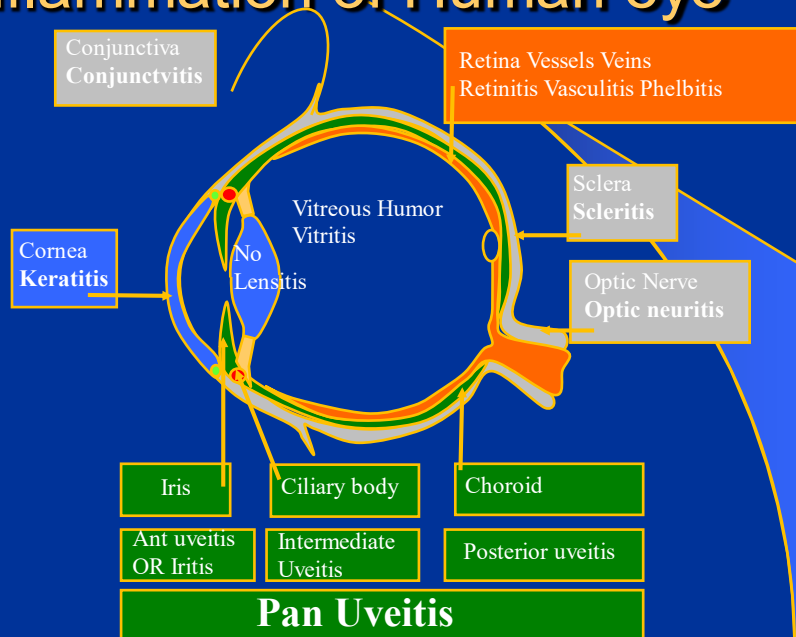
What is Keratitis, uveitis, neuritis

Pathology: Inflammation

- The inflammatory response (inflammation) occurs when tissues are injured by bacteria, trauma, toxins, heat, or any other cause.
- The damaged cells release chemicals including **histamine, bradykinin, and prostaglandins** .
- These chemicals cause
 - 1. blood vessels dilatation to leak
 - 2. cell infiltrate &
 - 3. Exudate fluid into the tissues, causing
- Rubor (Redness) is red eye
- Tumour (Swelling) not seen
- Calor (Heat) not seen
- Dolar (Pain) photophobia
- Functio laesa (Loss of function) decrease vision

What is Keratitis, uveitis, neuritis

Inflammation of Human eye



What is Fundus and Retina

Fundus/Retina



Retina + Optic nerve + vessels = Fundus

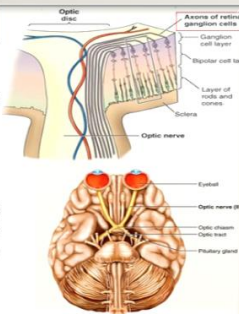
What is Optic nerve and Optic disc

Optic nerve/Disc



Optic Nerve

Axons of retinal ganglion cells converge at the optic disc and pass into optic nerve. Then the nerve passes posteromedially in the orbit, exits through the optic canal to enter the middle cranial fossa to join the optic chiasma.



Optic disc is visible part of optic nerve

What is Ophthalmoscope & Retinoscope

Ophthalmoscope

Ophthalmoscopy/Fundoscopy

Retinoscope

Retinoscopy / Refraction



What is Ophthalmoscope & Retinoscope

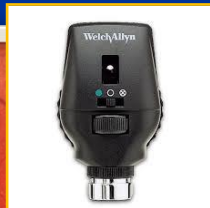
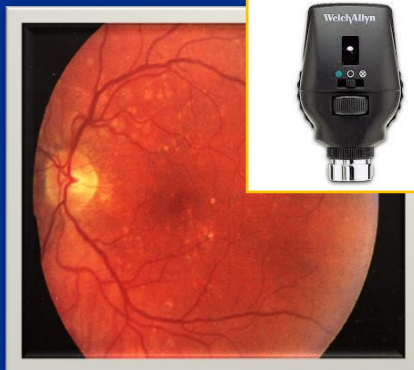
Ophthalmoscope

Ophthalmoscopy/Fundoscopy

Retinoscope

Retinoscopy / Refraction

- Ophthalmoscopy/Fundoscopy



Ophthalmoscope:
Ophthalmoscopy OR
Fundoscopy

Retinoscope:
Retinoscopy (Refraction)

Prof Mahfooz Hussain

Myeyeacademy.com

www.youtube.com/@Profdrmahffozhussain7544