

**American College of Physicians - Internal Medicine Meeting 2025
New Orleans, LA**

Ophthalmoscopic Skills

Faculty Information

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Posted Date: February 24, 2025

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Ophthalmoscopic Skills for Internal Medicine: Ocular Pathologies

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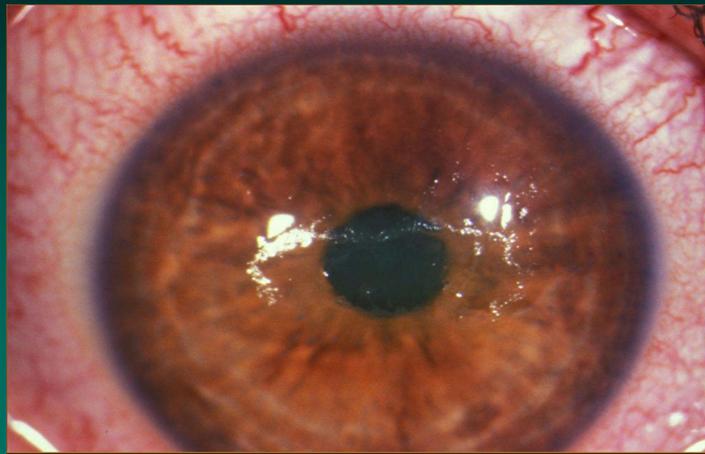


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Examples of Ocular Pathologies

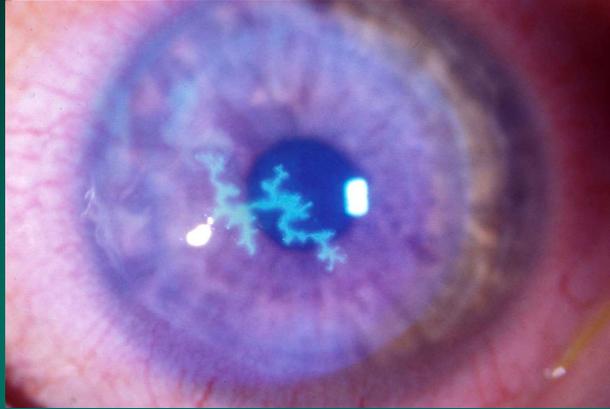
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Corneal Abrasion



4

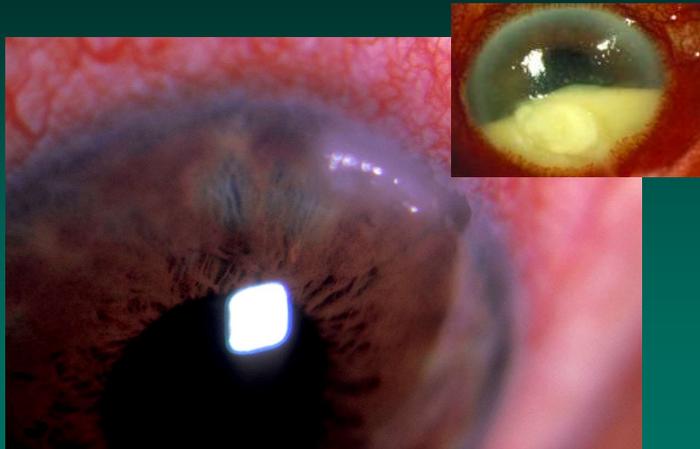
Dendritic Ulcer



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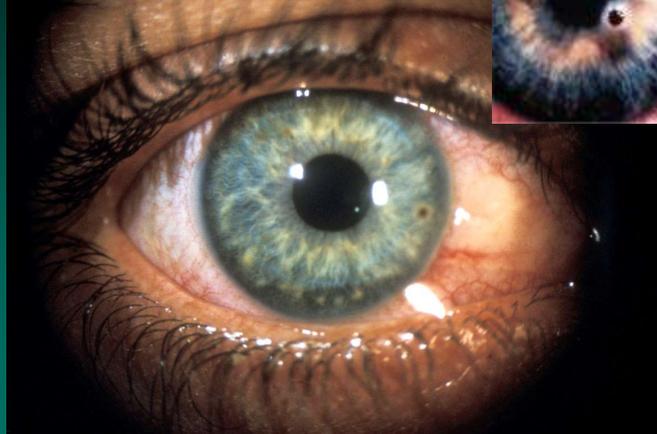
Corneal Ulcer



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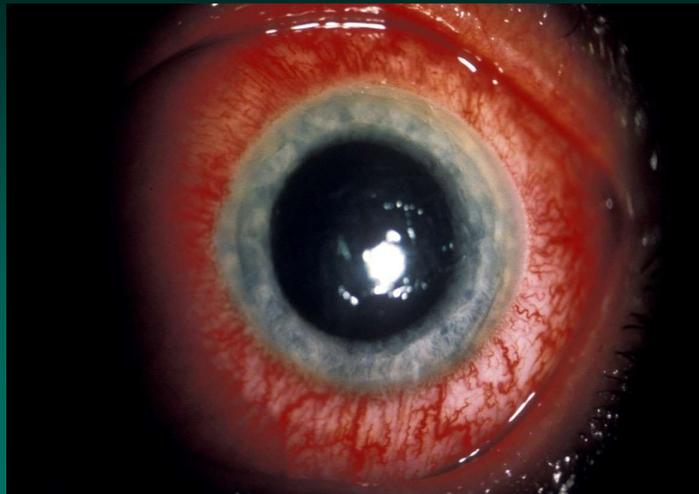
Corneal Foreign Body



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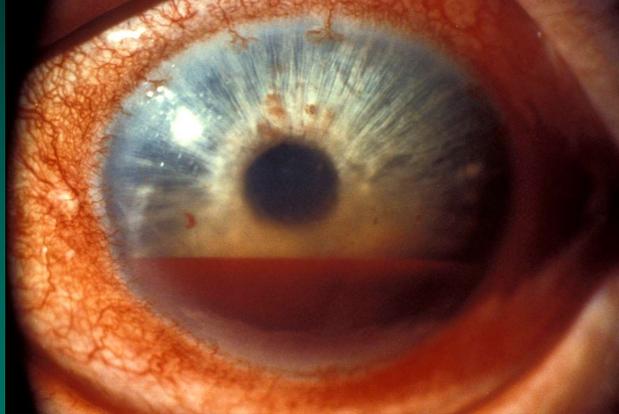
Corneal Burn



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Hyphema



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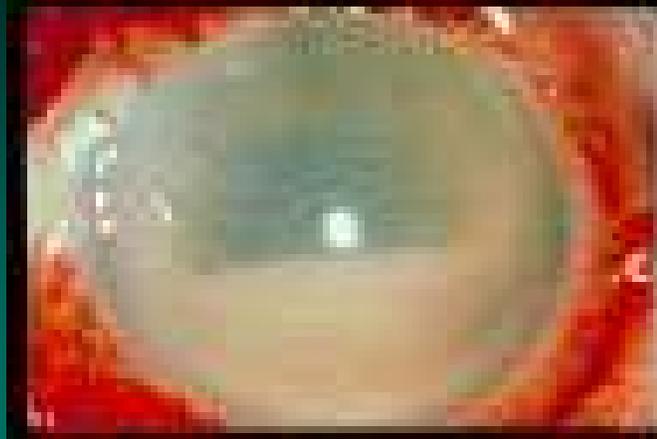
Hyphema



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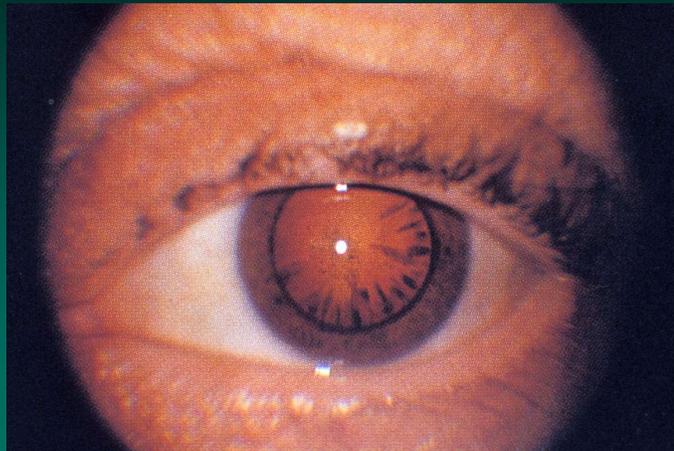
Hypopyon



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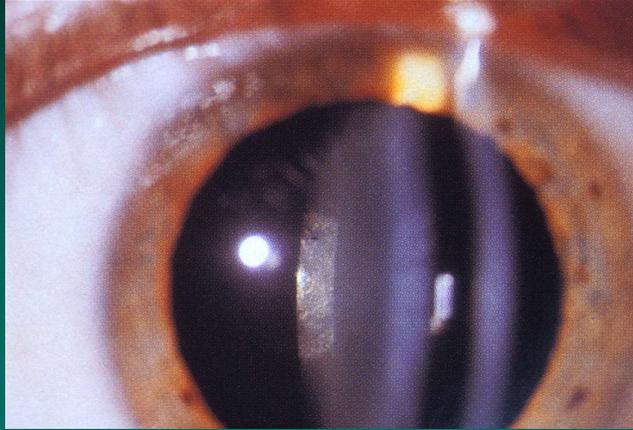
Cortical Cataract



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Cataract



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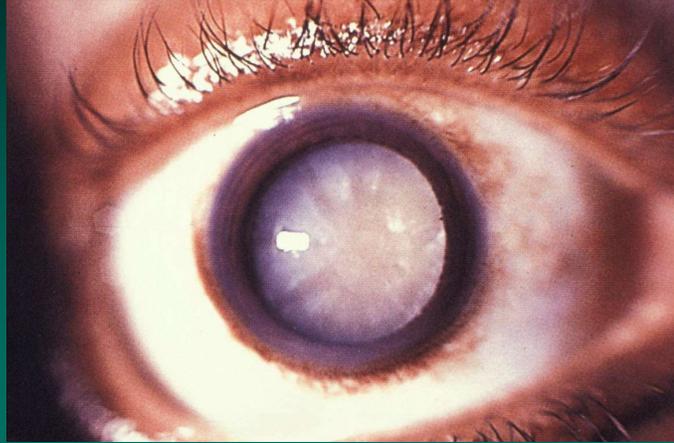
Nuclear Cataract



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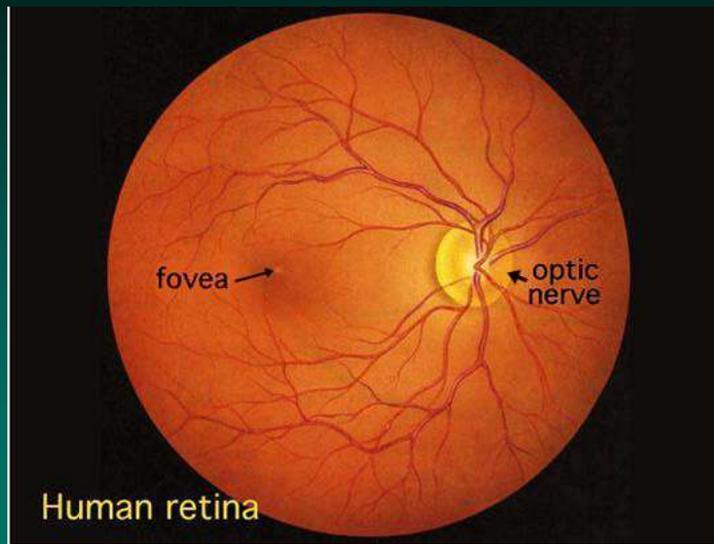
Mature Cataract



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Normal Retina



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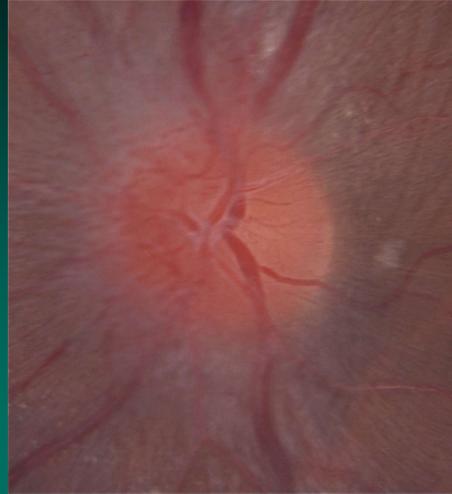
Retinal Lesion Descriptors

- Location: o'clock relative to the disc
- Location: disc diameters from disc center
- Color
- Shape
- Size
- Above, at the level of, or below the vascular level

Normal Retina



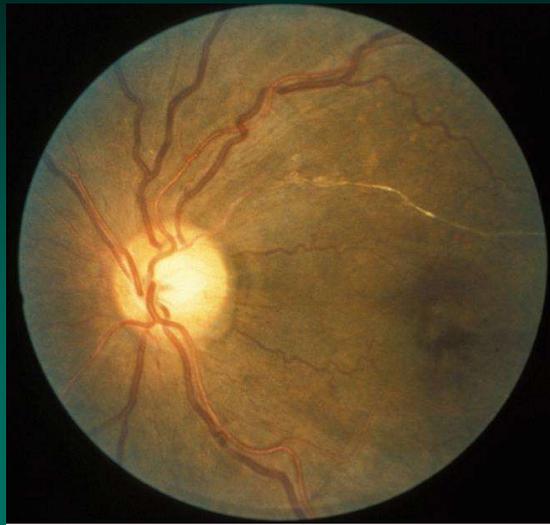
**A normal margin and vessels observation.
Often the nasal margin is slightly blurred.**



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**Arteriosclerosis
Arteriolar calcification.**



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Mild Diabetic Retinopathy

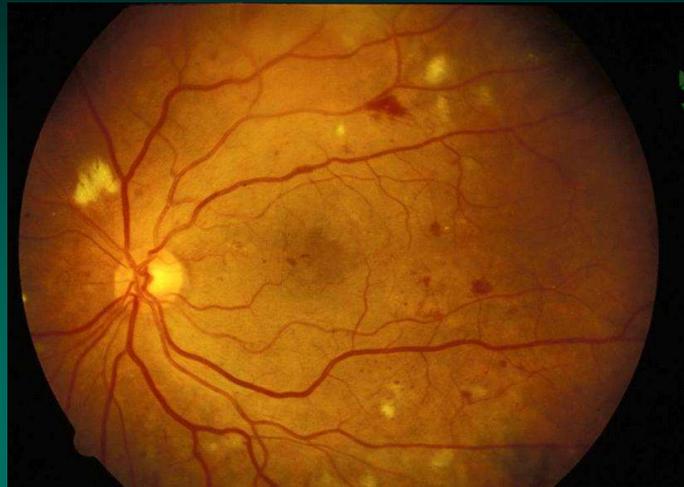
Few small exudates and microaneurysms.



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Severe Diabetic Retinopathy



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Proliferative Diabetic Retinopathy



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Hypertensive Retinopathy Hemorrhages, exudates, narrowed arterioles.



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Branch Retinal Artery Occlusion



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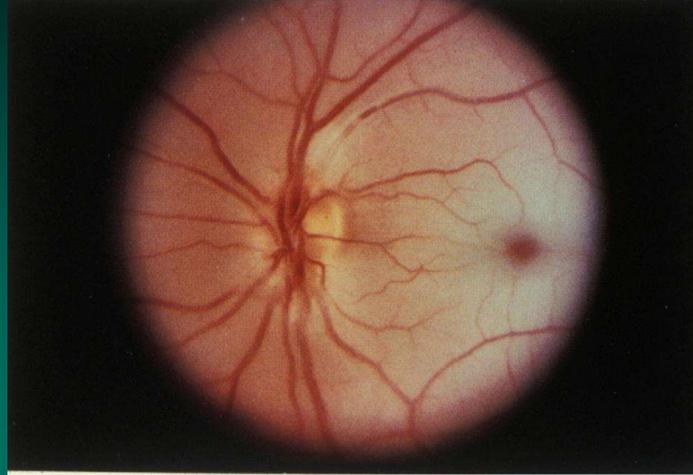
Branch Retinal Vein Occlusion



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Central Retinal Artery Occlusion



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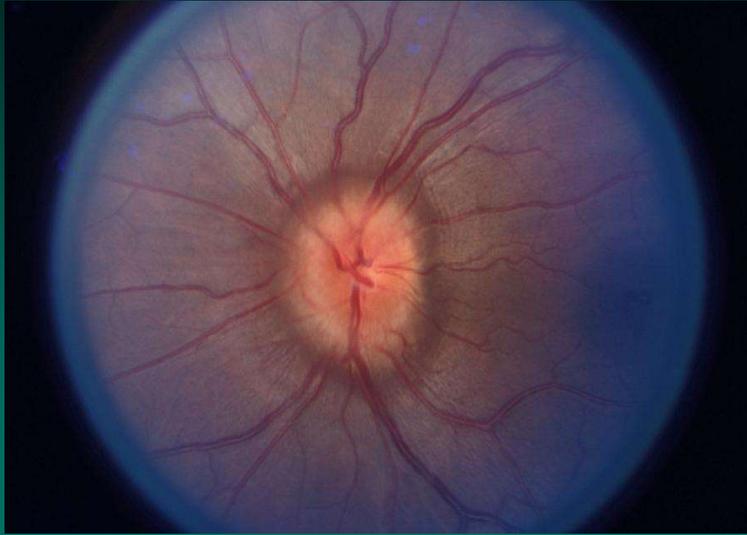
Central Retinal Vein Occlusion



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Disc (papilla) Edema



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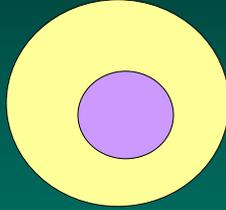
Optic Disc Atrophy



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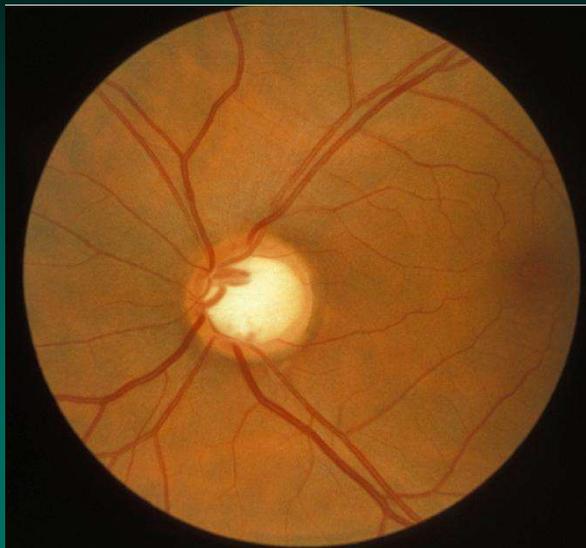
Cup to disc ratio: normal less than 0.5



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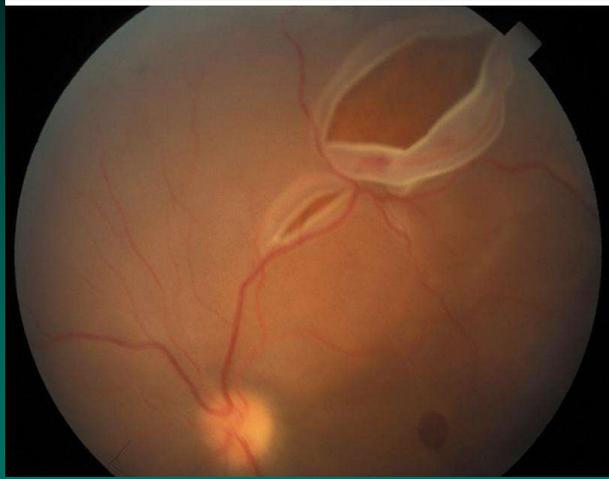
The Glaucomatous Disc
cup/disc ratio ~ 0.8



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Retinal Tear

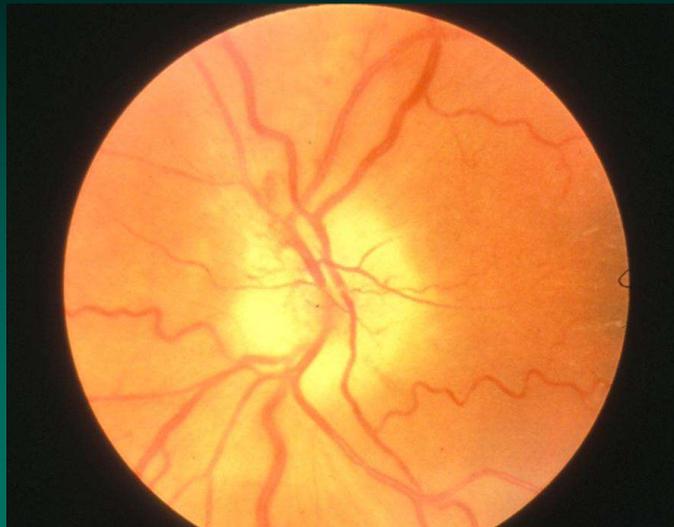


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Temporal Arteritis

Variable arteriolar diameter and filling, papilledema.



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Age Related Macular Degeneration(Dry)



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Age Related Macular Degeneration(Wet)



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