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Author: Jonathan Trobe, MD, 2009

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COMMON EYE SYMPTOMS

Jonathan D. Trobe, MD Departments of Ophthalmology and Neurology University of Michigan Medical School

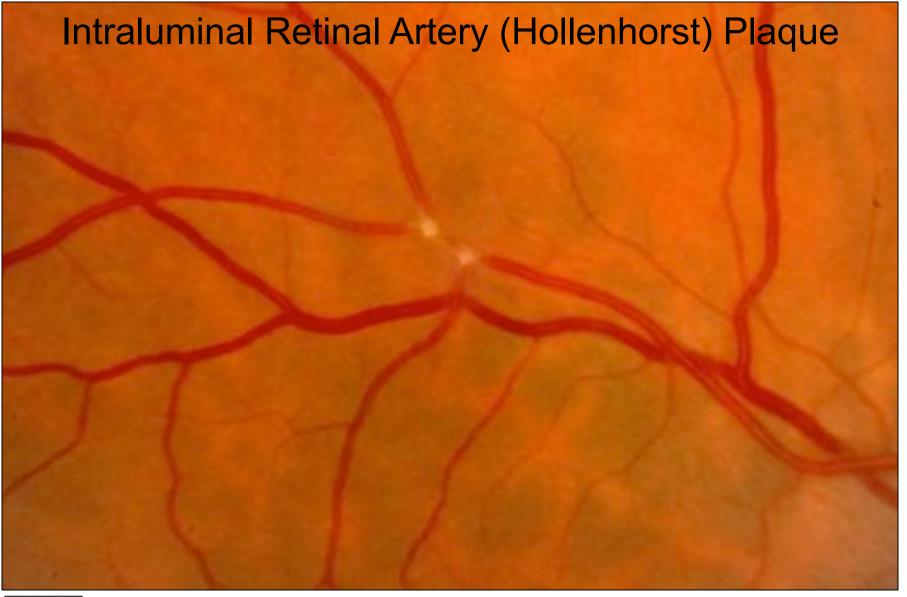
Causes of Transient Visual Loss

Monocular

1. If abrupt onset, usually ischemia to retina or optic nerve

2. Local causes: papilledema or impending retinal or optic nerve vascular occlusion

3. Remote causes: cervical carotid artery stenosis or systemic hypotension



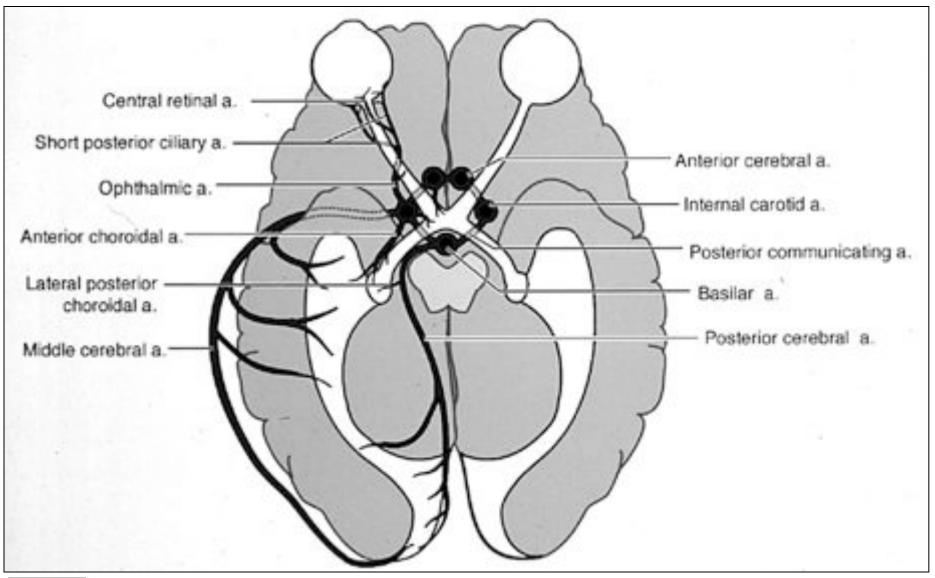
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Causes of Transient Visual Loss

Binocular

1. Visual cortex ischemia

2. Migraine









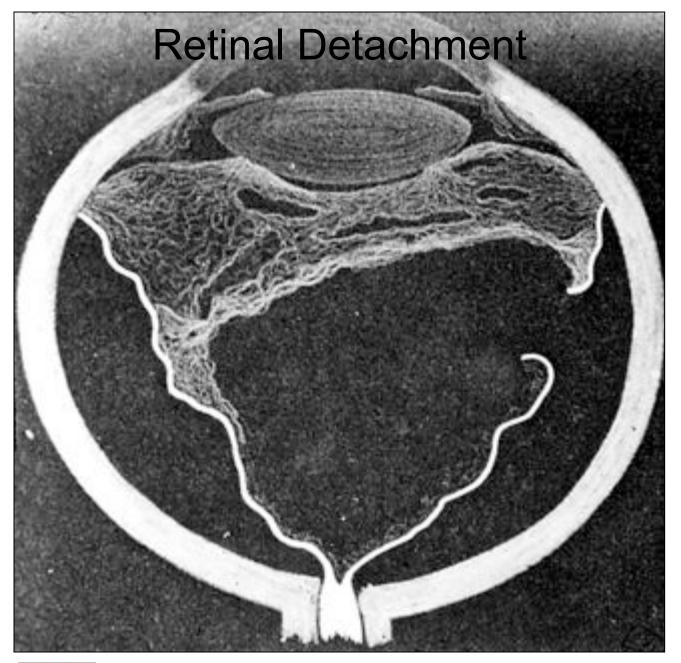
- 1.Vitreous hemorrhage
- 2. Retinal detachment
- 3. Retinal hemorrhage
- 4. Retinal infection
- 5. Retinal artery occlusion

- 6. Optic nerve infarction (ischemic optic neuropathy)
- 7. Optic neuritis
- 8. Optic nerve compression/infiltration by cancer

9. Occipital lobe infarction

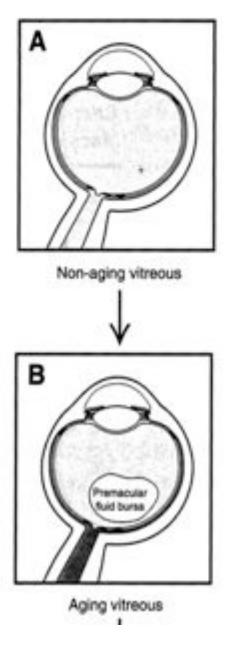
10. Psychogenic illness

Vitreous Hemorrhage



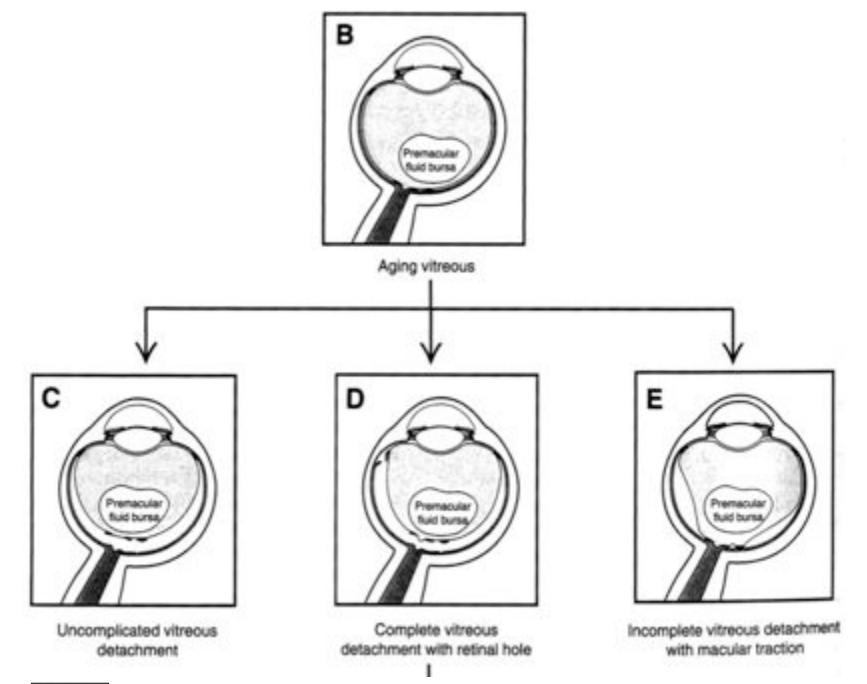


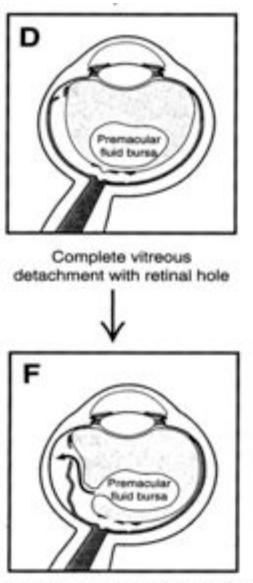
Retinal Detachment



-

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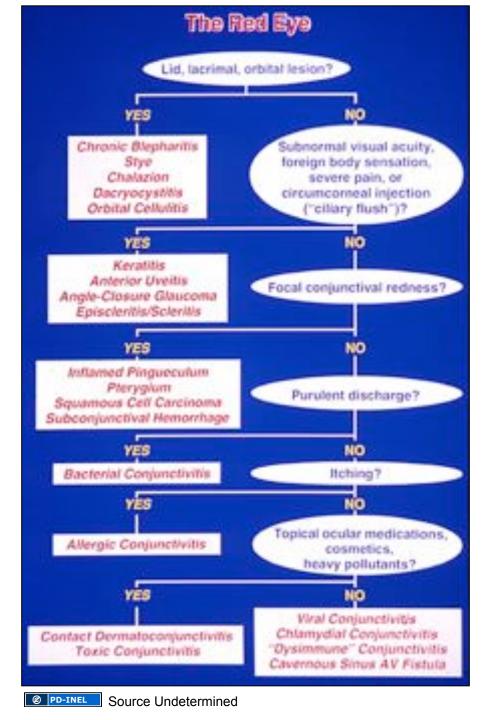
Complete vitreous detachment with retinal hole and retinal detachment

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Macular Hemorrhage

Macular Infection

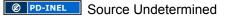
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Retinal Artery Occlusion

Normal Retina

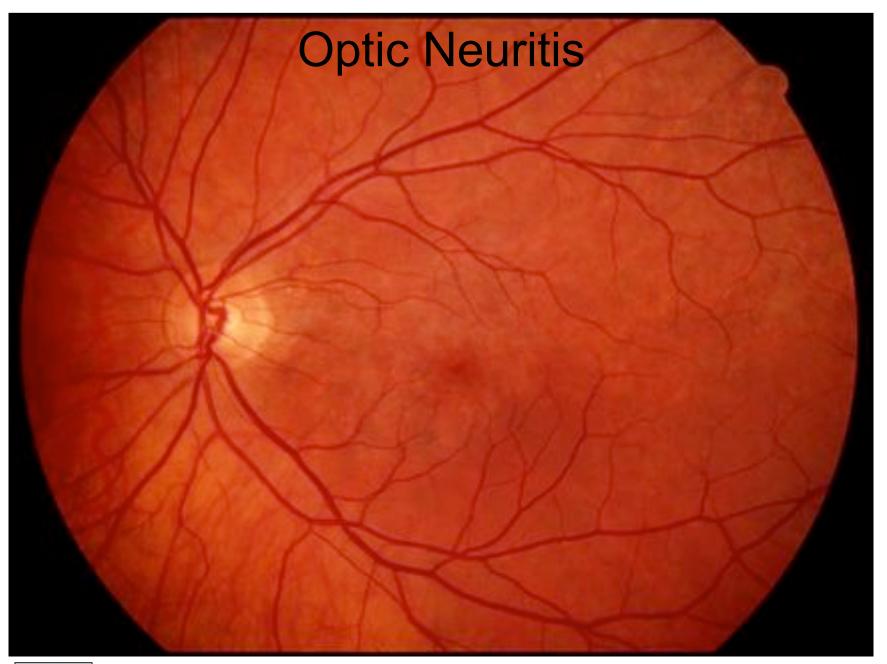
Retinal Vein Occlusion

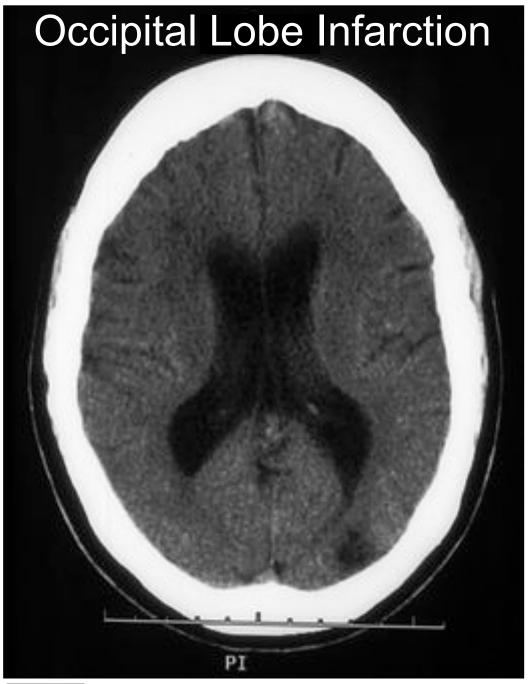


Optic Nerve Infarction



Source Undetermined





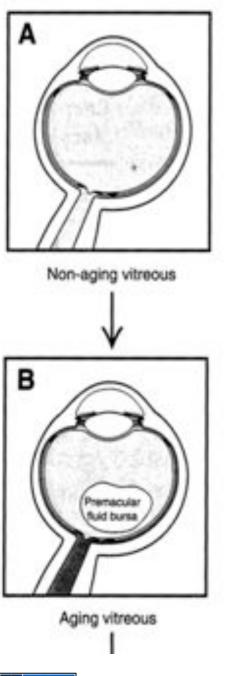


Source Undetermined

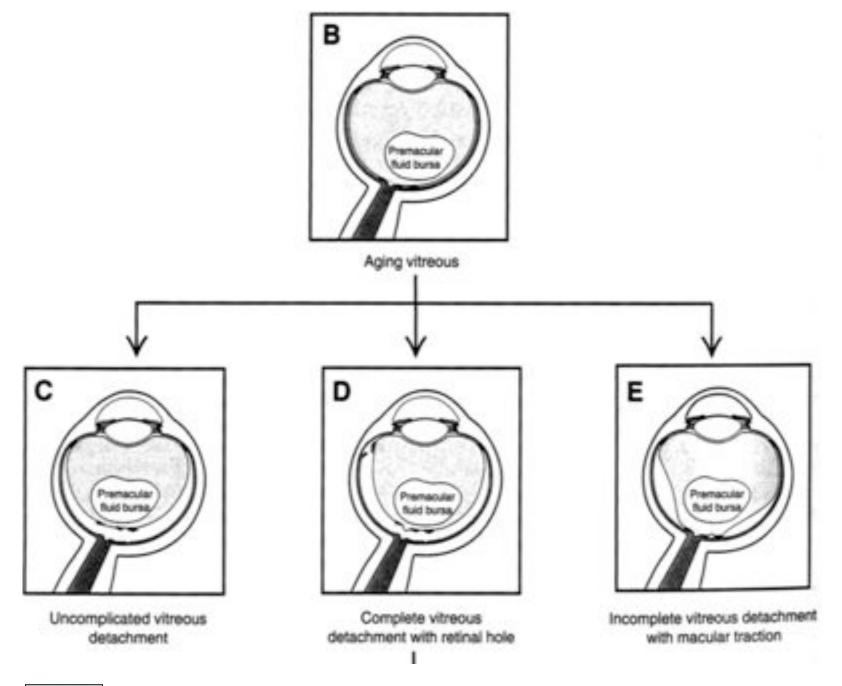
Causes of Flashes of Light

Monocular

- 1. Vitreoretinal traction
- 2. Impending retinal vascular occlusion
- Binocular
 - 1. Migraine
 - 2. Occipital lobe ischemia



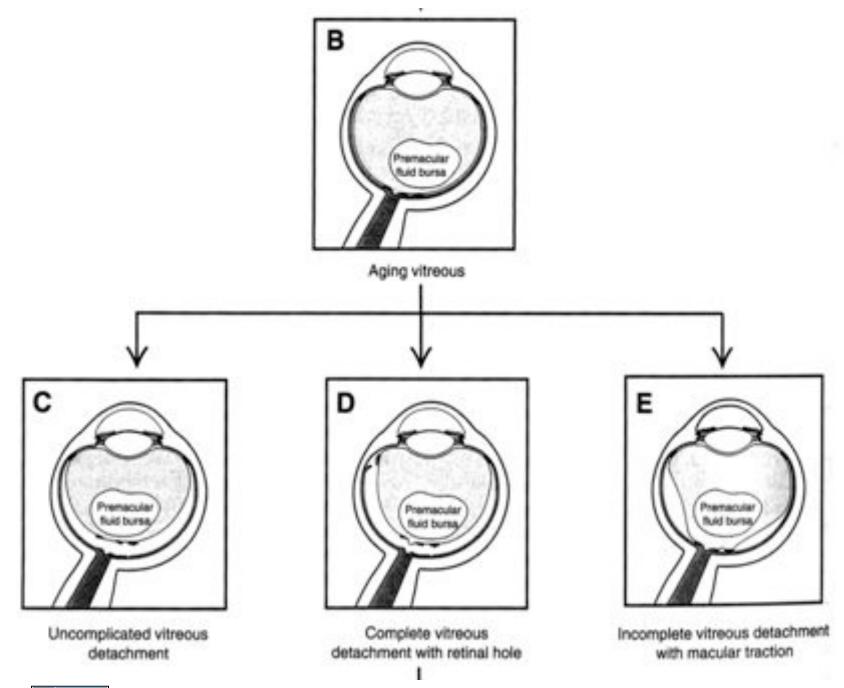
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Causes of Floaters

- Aging or myopic vitreous
- Vitreous detachment
- Vitreous hemorrhage
- Vitreous inflammation



Causes of Diplopia

Binocular

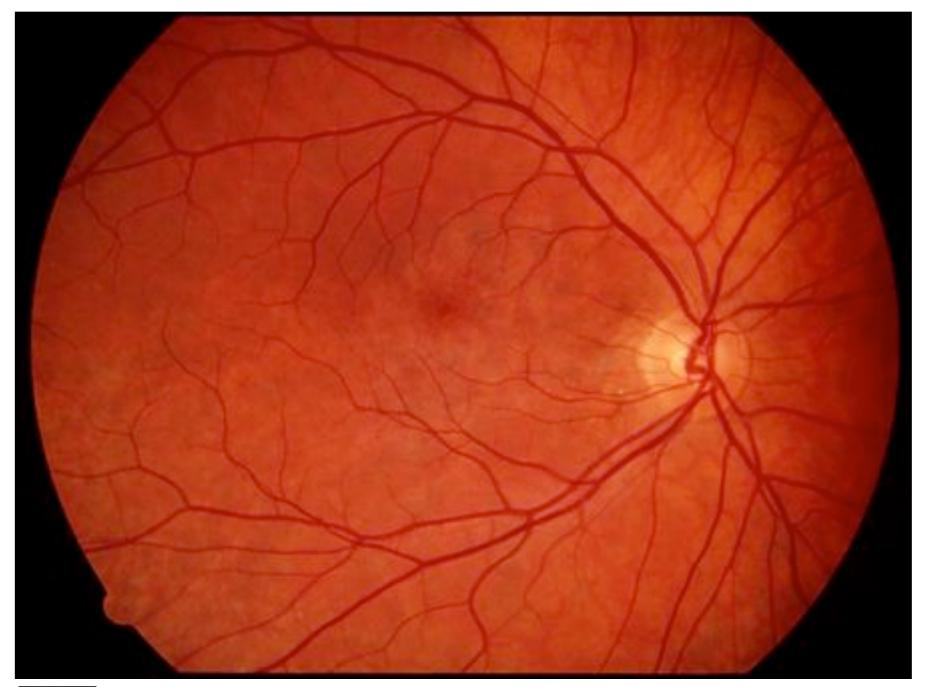
- 1. Ocular misalignment
- 2. Psychogenic
- Monocular
 - 1. Uncorrected refractive error
 - 2. Corneal lesion
 - 3. Cataract

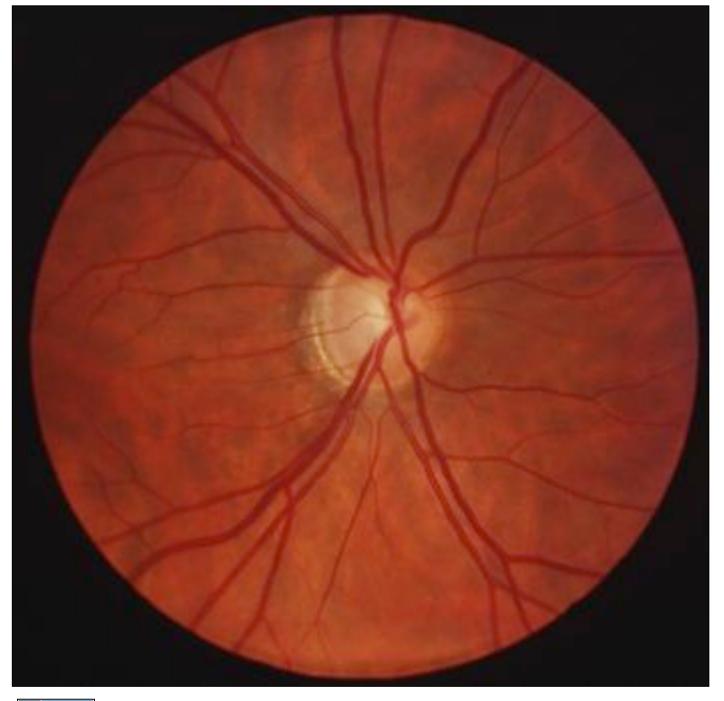


PD-INEL robe, J. *The Physician's Guide to Eye Care*. 3e. American Academy of Ophthalmology, 2006.

Causes of Optic Disc Excavation

- Physiologic
- Glaucoma
- Other optic neuropathies









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Slide 8 – "Beginning aura of a migraine" S. Jähnichen (Wikimedia Commons)

<u>http://commons.wikimedia.org/wiki/File:Fortifikation_(Migr%C3%A4ne).jpg</u> replaced an image of an aura forming around a wrist watch from Trobe, J. The Physician's Guide to Eye Care. 3e. American Academy of Ophthalmology, 2006.

Slide 9 – "Mid-stage of migraine aura" S. Jähnichen (Wikimedia Commons)

<u>http://commons.wikimedia.org/wiki/File:Negatives_Skotom_(Brandenburger_Tor_Blaue_Stunde)_1.jpg</u> replaced an image of an aura forming around a wrist watch from Trobe, J. The Physician's Guide to Eye Care. 3e. American Academy of Ophthalmology, 2006.

Slide 10 – "Full aura of migraine" S. Jähnichen (Wikimedia Commons)

<u>http://commons.wikimedia.org/wiki/File:Gesichtsfeldausfall_(Brandenburger_Tor_Blaue_Stunde)_1.jpg</u> replaced an image of an aura forming around a wrist watch from Trobe, J. The Physician's Guide to Eye Care. 3e. American Academy of Ophthalmology, 2006.

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Slide 33 – "Mid-stage of migraine aura" S. Jähnichen (Wikimedia Commons)

<u>http://commons.wikimedia.org/wiki/File:Negatives_Skotom_(Brandenburger_Tor_Blaue_Stunde)_1.jpg</u> replaced an image of an aura forming around a wrist watch from Trobe, J. The Physician's Guide to Eye Care. 3e. American Academy of Ophthalmology, 2006.

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