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COMMON EYE SYMPTOMS

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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
Intraluminal Retinal Artery (Hollenhorst) Plaque
Causes of Transient Visual Loss

• Binocular
  1. Visual cortex ischemia
  2. Migraine
Causes of Acute Persistent Visual Loss

1. Vitreous hemorrhage
2. Retinal detachment
3. Retinal hemorrhage
4. Retinal infection
5. Retinal artery occlusion
Causes of Acute Persistent Visual Loss

6. Optic nerve infarction (ischemic optic neuropathy)

7. Optic neuritis

8. Optic nerve compression/infiltration by cancer
Causes of Acute Persistent Visual Loss

9. Occipital lobe infarction
Causes of Acute Persistent Visual Loss

10. Psychogenic illness
Vitreous Hemorrhage
Complete vitreous detachment with retinal hole

Complete vitreous detachment with retinal hole and retinal detachment
Macular Hemorrhage
Macular Infection
The Red Eye

Lid, lacrimal, orbital lesion?

**YES**
- Chronic Blepharitis
- Stye
- Chalazion
- Dacryocystitis
- Orbital Cellulitis

**NO**
- Subnormal visual acuity, foreign body sensation, severe pain, or circumcorneal injection ("ciliary flush")?

**YES**
- Keratitis
- Anterior Uveitis
- Angle-Closure Glaucoma
- Episcleritis/Scleritis

**NO**
- Focal conjunctival redness?

**YES**
- Inflamed Pingueculum
- Pterygium
- Squamous Cell Carcinoma
- Subconjunctival Hemorrhage

**NO**
- Purulent discharge?

**YES**
- Bacterial Conjunctivitis

**NO**
- Itching?

**YES**
- Allergic Conjunctivitis

**NO**
- Topical ocular medications, cosmetics, heavy pollutants?

**YES**
- Contact Dermatoconjunctivitis
- Toxic Conjunctivitis

**NO**
- Viral Conjunctivitis
- Chlamydial Conjunctivitis
- "Dysimmune" Conjunctivitis
- Cavernous Sinus AV Fistula
Retinal Vein Occlusion
Optic Nerve Infarction
Optic Neuritis
Causes of Flashes of Light

- Monocular
  1. Vitreoretinal traction
  2. Impending retinal vascular occlusion

- Binocular
  1. Migraine
  2. Occipital lobe ischemia
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
Causes of Optic Disc Excavation

- Physiologic
- Glaucoma
- Other optic neuropathies
Slide 8 – “Beginning aura of a migraine” S. Jähnichen (Wikimedia Commons)

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

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