Eye Evaluation and Triage
John J. Bussa, M.D.

Acute Visual Loss
• Is the visual loss transient or persistent?
• Is the visual loss monocular or binocular?
• What was the tempo? Did the visual loss occur abruptly, or did it develop over hours, days or weeks?
• What are the patient’s age and medical condition?
• Did the patient have normal vision in the past?

Acute Vision Loss
• Corneal Edema
• Hyphema
• Cataract
• Vitreous Hemorrhage

MEDIA OPACITIES
• Corneal Edema
• Hyphema
• Cataract
Acute Vision Loss

RETINAL DISEASE
• Retinal Detachment

Acute Vision Loss

RETINAL DISEASE
• Retinal Detachment
• Macular Degeneration

Acute Vision Loss

RETINAL VASCULAR OCCLUSION
• Central Retinal Artery Occlusion

Acute Vision Loss

RETINAL VASCULAR OCCLUSION
• Central Retinal Artery Occlusion
• Branch Retinal Artery Occlusion

Acute Vision Loss

RETINAL VASCULAR OCCLUSION
• Central Retinal Artery Occlusion
• Branch Retinal Artery Occlusion
• Central Retinal Vein Occlusion

Acute Vision Loss

RETINAL VASCULAR OCCLUSION
• Central Retinal Artery Occlusion
• Branch Retinal Artery Occlusion
• Central Retinal Vein Occlusion
• Branch Retinal Vein Occlusion
**Acute Vision Loss**

- OPTIC NERVE DISEASE
  - Optic Neuritis
  - Optic Papillitis
  - Ischemic Optic Neuropathy

**Acute Vision Loss**

- Functional Disorder
- Acute Discovery of Chronic Visual Loss

**Chronic Vision Loss**

- Glaucoma

**Chronic Vision Loss**

- Glaucoma
- Cataract

**Chronic Vision Loss**

- Glaucoma
- Cataract
- Macular Degeneration

**The Red Eye**

- Blurred Vision?
- Severe Pain?
- Photophobia?
- Colored Haloes?
- Mattering?
- Itching?
The Red Eye

Subconjunctival Hemorrhage

Abrasions and Foreign Bodies

ADNEXAL DISEASE
• Dacryocystitis
• Chalazion
The Red Eye

ADNEXAL DISEASE
- Dacryocystitis
- Chalazion
- Blepharitis

Ocular and Orbital Injuries

TRUE EMERGENCY
Chemical Injury

Ocular and Orbital Injuries

URGENT SITUATION
- Globe Penetration

Ocular and Orbital Injuries

URGENT SITUATION
- Globe Penetration
- Hyphema

Ocular and Orbital Injuries

URGENT SITUATION
- Globe Penetration
- Hyphema
- Lid Laceration
- Foreign Bodies
Ocular and Orbital Injuries

Semiurgent Condition

Orbital Fracture
Sunconjunctival Hemorrhage

Keys to Immediate Evaluation

- True sudden loss of vision
- Pain
- Chemical injury
- Trauma, “cut eyelids”
- Children with acute redness and discomfort