Triage Considerations

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Professional Disclosures

- Alcon: Consultant, Speaker, Research
- Allergan: Advisory Board, Research, Speaker
- Bausch & Lomb: Advisory Board, Speaker
- Inspire: Research, Speaker, Allergy Advisory Board
- Ista Pharmaceuticals: Research
- Pacific University: Adjunct Assistant Clinical Professor
- Pennsylvania College of Optometry: Externship Coordinator
- Rapid Pathogen Screening: Advisory Board, Speaker
- Science Based Health: Research
- Southern California College of Optometry: Adjunct Clinical Professor
- University of Incarnate Word: Adjunct Clinical Professor
- Valeant Ophthalmics: Advisory Board

Virginia Eye Consultants

Tertiary Referral Eye Care Since 1963

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 Triage is the screening of patients to ensure that the patients with the most serious complaints are seen promptly.

What is Triage?

- Gathering essential dataDate
- o Time of call
- o Name
- o Telephone number
- Address
- Assess and classify patients' signs and symptoms according to severity and urgency.

Rei NEW CONTACTS FRIDAY TROUBLE WITH CONTACTS NOT IN CASE Photo Courtesy of Scott Hauswirth, OD

How Urgent is it?

- What is the complaint?
- How did the complaint or symptom originate?
- · When id the complaint or symptom start?

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Triage Considerations

- Urgency vs. Emergency
- · Acute vs. Chronic
- ← Emergency
- · Mild vs. Severe
- Progressive vs. Stable
- Document all calls
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<u>Emergency</u> Immediately	<u>Very Urgent</u> Few Hours	<u>Urgent</u> Within a day
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Retinal Artery Occlusions	<u>Perforation</u>	Orbital Cellulitis
<u>Chemical Burns</u>	Ruptured	<u>Orbital Injury</u>
	Acute Glaucoma	Corneal Ulcer
	Sudden Proptosis	Corneal Abrasion
		<u>Hyphema</u>
		<u>Intraocular Foreign</u> <u>Body</u>
		<u>Retinal Detachment</u>
		Macula Edema

Emergencies

- Immediate action
- Chemical burns
- Sudden, painless, severe loss of vision
- Trauma
- Sudden onset of flashes and floaters

encies Urgent

- 24-48 Hours
- Subacute loss of vision
- Sudden onset of diplopia
- Acute, red eye
- Photophobia
- · Ocular pain worsening

Routine

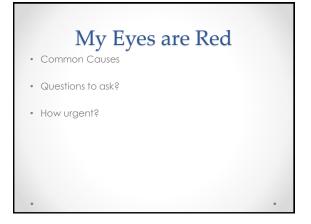
- 48 Hrs to first available
- Loss / broken glasses
- · Ocular discomfort
- Difficulty with near work
- Tearing in absence of other symptoms
- Lid twitching
- Mild redness without other symptoms
- Persistent, unchanged floaters

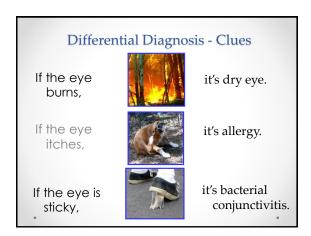
Know Your Office Policies

- Staff Responsibilities
- Doctor Responsibilities









Vision Changes Common Causes Questions to ask? How urgent?

Glare and Haloes Common Causes Questions to ask? How urgent?

Headaches

- Common Causes
- Questions to ask?
- How urgent?

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Eye Pain

- Common Causes
- Questions to ask?
- How urgent?

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Ocular Discomfort

- Common Causes
- · Questions to ask?
- How urgent?

Broken Glasses or Lost CL

- Common Causes
- Questions to ask?
- How urgent?

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Flashes and Floater

- Common Causes
- Questions to ask?
- How urgent?

Patient Work-Up

- VA's
- Pupils
- Ocular Motility
- Visual Fields
- Gross visual examination
- Slitlamp examination
- Fundus examination
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The Do's and Don'ts

- · Do
 - Medical history
 - o Check VA
 - o Identify nature of foreign body if one is suspected
- - o Touch or handle an eye with lacerations or rupture
 - Apply pressure to the globe
 - Administer drops without authorizations
 - Use a previously opened bottle of eyedrops

Considerations

General Trauma

- · Take care of the obvious
 - o ABCDE's
 - o Radiology
 - o Concussion evaluation
 - Mental status of patient

Fainting or Dizziness

- · Get the patient's head below the heart
- · Loosen tight clothing
- · Break capsule of smelling salts
- · Insist patient remain seated until faintness has completely disappeared
- · Reassure patient
- · Notify the doctor

What if the Patient Falls?

- Notify the OD or other staff
- Do not move the patient until the doctor has assessed for injury
- Do not allow the patient to leave the office until seen by the doctor

Frequency of Traumatic **Ocular Conditions**

- Superficial injury of the eye and adnexa (41.6%)
- Foreign body on the external eye (25.4%)
- Contusion of the eye and adnexa (16.0%)
- · Open ocular adnexa and eyeball wounds (10.1%)
- Orbital floor fracture (1.3%)
- Nerve injury (0.3%)

Rappon, J. Primary Care Ocular Trauma Management. Retrieved from http://www.pacificu.edu/optometry/ce/courses/21042/primarycaretraumapg1.cfm

Chemical Burns • Emergency!!! - Every minute counts

- Do not waste time on Hx and PE
- Alkali burns more common and worse than acid
 - o Alkali
 - · Household cleaners, fertilizers, drain cleaners
 - o Acid
 - Industrial cleaners, batteries, veaetable preservatives

Chemical Burns

- Absolute Emergency
- Immediate irrigation
- · Check VA
- · Check pH if possible

Irrigating the Eye

- Immediately upon arrival get the patient in the exam chair
- Apply topical anesthetic
- Gloves
- Towel to absorb excess fluid
- Perform irrigation with balanced salt solution
- Evert the lids
- Get it all out!

Pearls - Prevention is KEY!!!

- · Know the potential eye safety dangers
- · All chemical injuries should be lavaged immediately
- Extent of damage is dependent on concentration and pH of acid or base
- · Eliminate hazards before starting work
- Use protective measures

Open-Globe Injuries

- Full-thickness wound of the eye wall
- Rupture
- Laceration
- Penetrating
- Perforating

Open Globe

- · Check VA reduced
- · Seidel's sign
- · Displaced pupil
- · Non-reactive pupil
- Low IOP
- Poor reflex
- Hyphema

Treatment for Open Globe **Injuries**

- · Protect the eye with fox shield
- Oral antiemetics to prevent Valsalva maneuvers
- Administer sedation and analgesics PRN
- Avoid topical eye solutions
- · Prescribe oral antibiotics
- · Refer to OMD for surgical repair

Closed-Globe Injuries

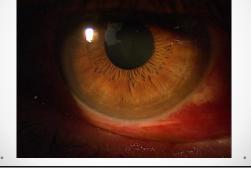
- No full-thickness wound of the eyewall
- Contusion
- Laceration
- Superficial foreign body

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Contusion

- Need to get eye open
 Will dictate urgency of consult
- Check VA
- Asses lids and globe for debris or lacerations
- Check pupil response (round pupil)
- Red Reflex?
- Do eyes move well together?
- Instill NaFl to check for abrasions
- Check IOP if all else is clear

Sub-Conjunctival Hemorrhage



Corneal Foreign Body

- Remove if visible and not completely penetrating
- Always document depth of FB
- Stain cornea with NaFl
- Anesthetize eye for patient comfort and to allow a better view.

Corneal Abrasions

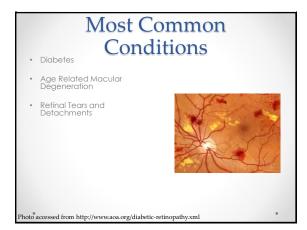
- · Check VA
- Important to know what abraded the cornea
- Self treatment?
- Grade the level of pain/light sensitivity

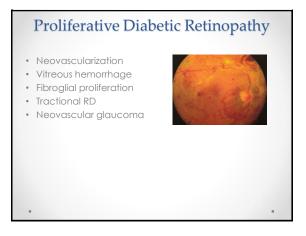
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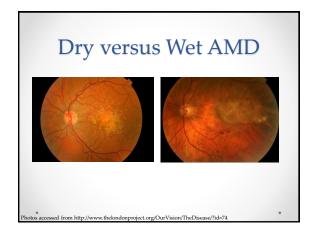
Photokeratitis/Snow blindness

- Check VA
- Caused by UVB(C) exposure to the cornea 320-290nm
- Painful !!!!!
- Superficial punctate keratopathy about 6 hours after exposure (corneal sun burn)
- · Typically self limiting
- Welders flash, tanning beds, skiing, desert, sailina

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Conclusion • Educate our patients of optometry's role • Ask the right questions • Document everything