



TRUMA TO THE EYE,LID, FOREIGN BODY

جامعة ساوة

كلية التقنيات الصحية والطبية

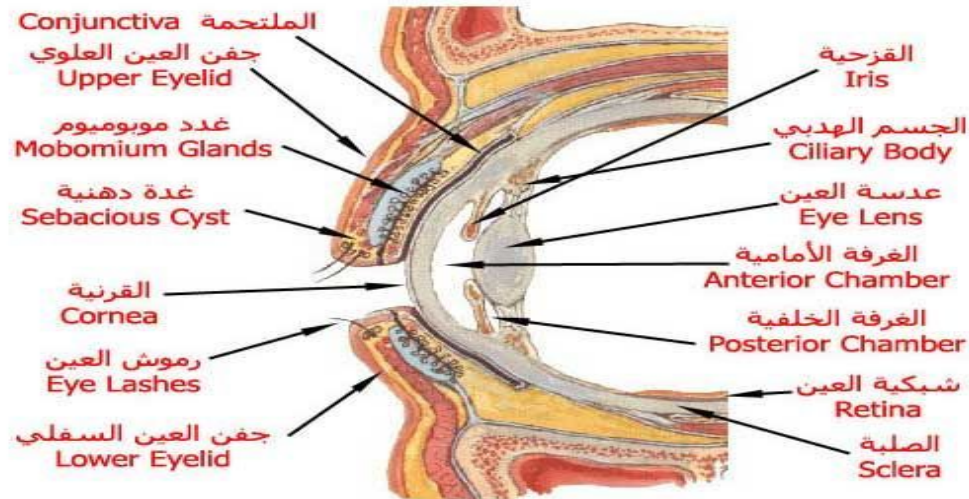
قسم تقنيات البصريات

المرحلة

Introduction

Content:

- Eye trauma is a common cause of visual impairment.
- Can involve:
- Globe (eyeball)
- Adnexa (lids, lacrimal system, orbit)
- Foreign bodies
- Prompt recognition and management are crucial to prevent vision loss.



Types of Eye Trauma

Content:

1. Blunt trauma – e.g., punch, ball injury
2. Penetrating trauma – sharp object
3. Chemical burns – acid or alkali
4. Thermal burns – heat or fire
5. Radiation – UV or infrared



Traumatic Eye Injuries

■ Penetrating Trauma/Ruptured Globe



Chemical Burns of the Eye

- Chemicals known to cause burns to the eyes include:
 - Acids
 - Alkalis
 - Dry chemicals
 - Phenols



EYE ROUNDS.ORG

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Lid Trauma

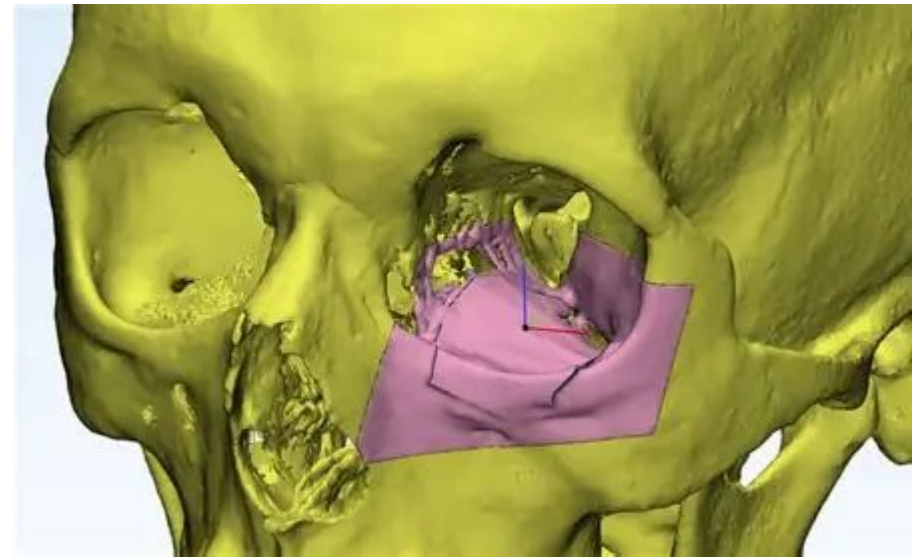
Content:

- Common causes: lacerations, avulsions, contusions
- **Complications:** infection, scarring, ptosis
- **Management:**
 - Clean wound
 - Assess for globe injury
 - Suturing if needed

Orbital Trauma

Content:

- May involve bones, muscles, soft tissue
- Signs: bruising, swelling, double vision (diplopia)
- **Complications:** orbital fracture, muscle entrapment
- Imaging: CT scan for fractures



Foreign Bodies in the Eye

Content:

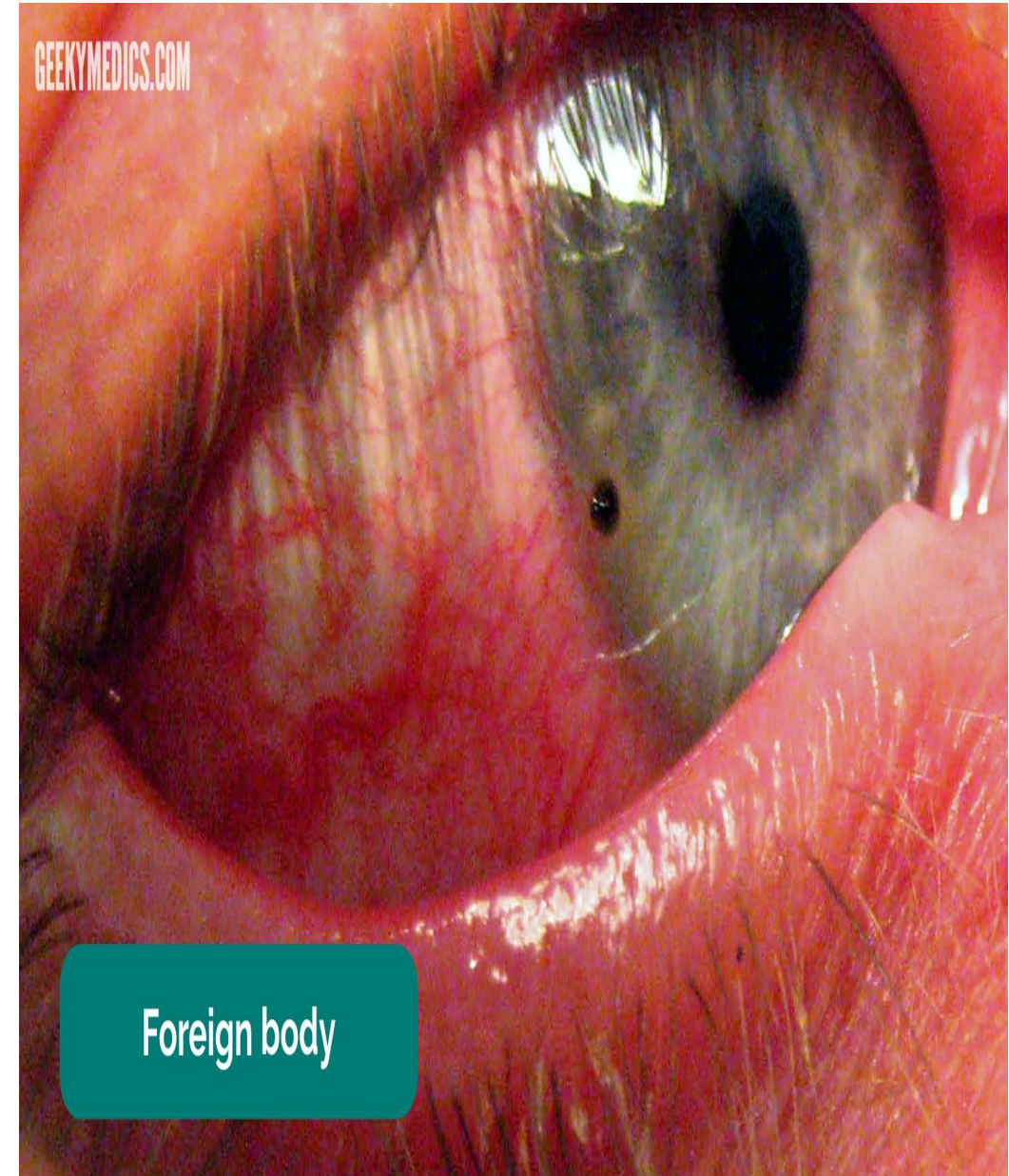
- **Types:**

- Superficial (corneal, conjunctival)
- Intraocular (inside globe)

- **Symptoms:** pain, tearing, redness, blurred vision

- **Management:**

- Do NOT rub the eye
- Irrigation for superficial particles
- Refer for removal if embedded



Examination and Assessment

Content:

- History: mechanism of injury, time, symptoms
- Visual acuity check
- Slit-lamp or torch examination
- Check lids, conjunctiva, cornea, anterior chamber
- Look for foreign bodies or globe rupture



Management Principles

Content:

- Protect the eye (shield)
 - Analgesia and tetanus prophylaxis
 - Avoid pressure on the globe
 - Antibiotic ointment if lid/corneal injury
- injury
- Urgent referral to ophthalmology for serious injuries



Summary

Content:

- Eye trauma ranges from minor to vision-threatening
- Lids and adnexa injuries must be carefully evaluated
- Foreign bodies need careful removal to avoid complications
- Timely ophthalmology referral is critical