

Trauma Eye Injuries

Designation of Condition: Injury to the eye that results from blunt trauma, penetrating trauma, chemical exposure, foreign body, or scratch.

| | |
|----------|--|
| B | <p>ABC's Vital signs Obtain history</p> <p>Consider traumatic mechanism and immobilize C-spine if necessary Assess vision and examine pupils for size, shape, and reactivity to light Check eye movement in all directions and document any soft tissue injury Complete neuro exam</p> |
|----------|--|

Penetrating Eye Injuries

| | |
|----------|---|
| B | <p>Protect globe by covering orbital area with moist dressing and bulky padding. DO NOT apply pressure to globe. Once a penetrating injury is discovered, further pupillary and eye examination is contraindicated.</p> |
|----------|---|

| | |
|----------|--|
| P | <p>If concern for open globe injury (tear drop shaped pupil or concerning mechanism): Pain control and nausea control per guideline to avoid increasing intraocular pressure</p> |
|----------|--|

Protruding Intraocular Foreign Body

| | |
|----------|--|
| B | <p>DO NOT REMOVE</p> <p>Further pupillary and eye examination is contraindicated. Stabilize foreign body, cover with bulky padding, and secure with tape Patch unaffected eye to diminish consensual eye movement</p> |
|----------|--|

Small particulate foreign bodies (e.g., dust/dirt)

| | |
|----------|---|
| B | <p>Irrigate with saline Flip lids back and irrigate as necessary If present, contact lenses should be removed prior to irrigation</p> |
|----------|---|

Chemical Injury

| | |
|----------|---|
| B | <p>Alkalis and Acids: Immediate treatment upon arrival. Copious irrigation with saline (brush off dry powders first) Continue irrigation en route to hospital</p> <p>Mace and Pepper Spray: Irrigate eyes and affected skin with saline or water until pain relief obtained. Patients with significant pain after irrigation, prolonged visual impairment, or shortness of breath should be transported to the hospital</p> <p>If present, contact lenses should be removed prior to irrigation</p> |
|----------|---|