**16. Eye injuries**

**Location of services and referral pathways for Yorkshire & Humber**

In the child with multiple trauma they will be transferred to the Major Trauma Centre (MTC) according to the usual major trauma pathway (see [Section 3](#Philosophy)). Each MTC will have ophthalmology support available to them.

**Immediate referral to ophthalmology if any concerns about**

* globe integrity
* intraocular foreign bodies
* chemical / thermal injuries
* retrobulbar haemorrhage
* orbital cellulitis / collection
* significantly reduced vision

**History** Mechanism, previous eye pathology

**Look** Subconjunctival haemorrhage, lid lacerations, foreign bodies, fluorescein staining of cornea / conjunctivae

**Check** Visual acuity, pupils (anisocoria, unreactive to light / peaked, red reflex, eye movement, proptosis

**Immediate management**

|  |  |
| --- | --- |
| Open globe injury | Instil one drop preservative free chloramphenicol drop and cover with plastic eye shield (not eye pad) to protect against external pressure |
| Chemical / thermal injury | Remove any causative foreign body  Irrigate eyes immediately with at least one litre 0.9% sodium chloride  Check pH using indicator paper. Irrigate until neutral. |
| Retrobulbar haemorrhage | Refer to max fax or attempt lateral canthotomy and cantholysis with local anaesthetic |
| Orbital cellulitis / collection | Consider CT orbits, sinuses and brain  ENT review |
| Significantly reduced vision - unknown cause | Urgent referral to ophthalmology registrar on call |
| Suspected abusive head trauma | Should have dilated eye examination and retinal photos within 24 hours of referral |
| Orbital floor fractures with inferior rectus entrapment | Can have minimal swelling but can get bradycardia, especially in up gaze  Order CT orbits and ask max fax to operate urgently**.** |

**Who to call**

**Leeds Teaching Hospital (in hours or out of hours):**

* On call registrar on mobile via LTHT switchboard 0113 243 2799
* Consultant on call on mobile via LTHT switchboard 0113 243 2799

**Sheffield Children’s Hospital:**

* In-hours- ophthalmology nurse triage service- 0114 243 4343 bleep 250
* Out-of-hours- on call ophthalmology registrar via Hallamshire switchboard 0114 271 1900