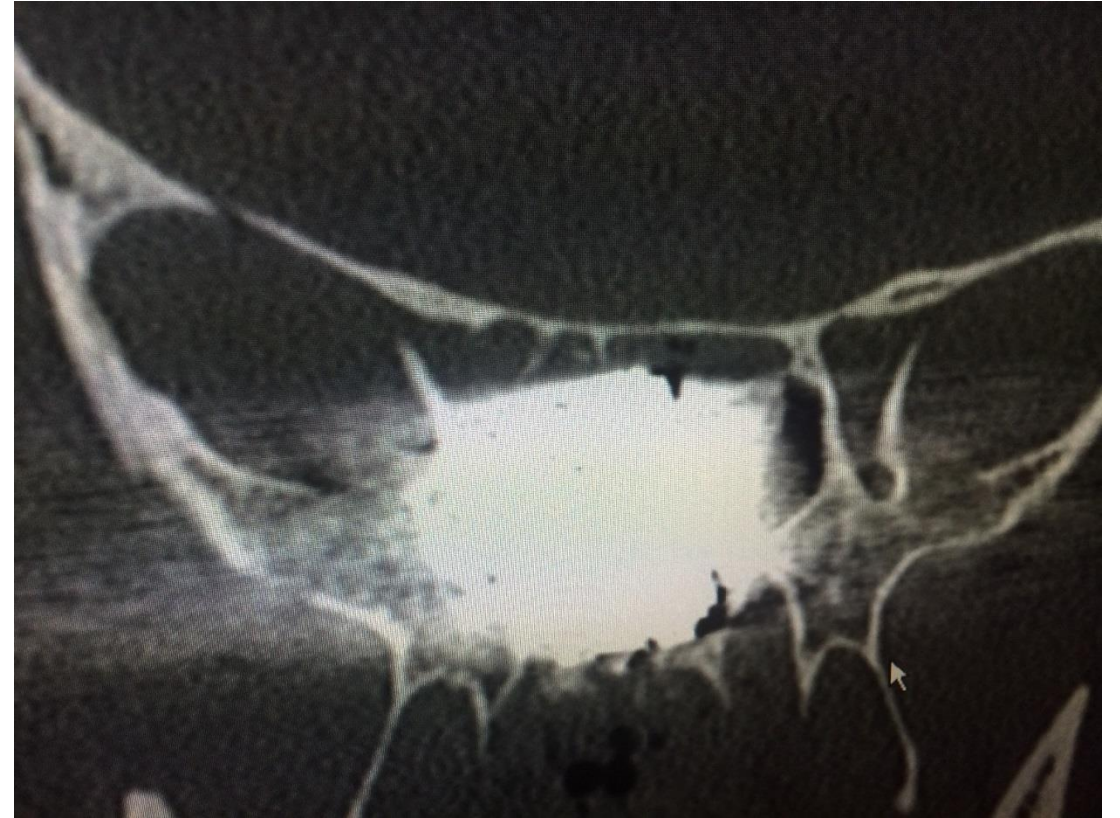


Facial Trauma

Bethel Grand Rounds

What is Important?

- Soft tissue
- Forehead
- Orbital
- Nasal
- Other midface
- Mandible (of note, oral surgery does mandibles at ANMC)
- Laryngeal



Soft tissue trauma

- Where is the damage?
- More urgent structures: eye, facial nerve, parotid duct
- Tissue loss?
- Ideally should be closed in 24 hours



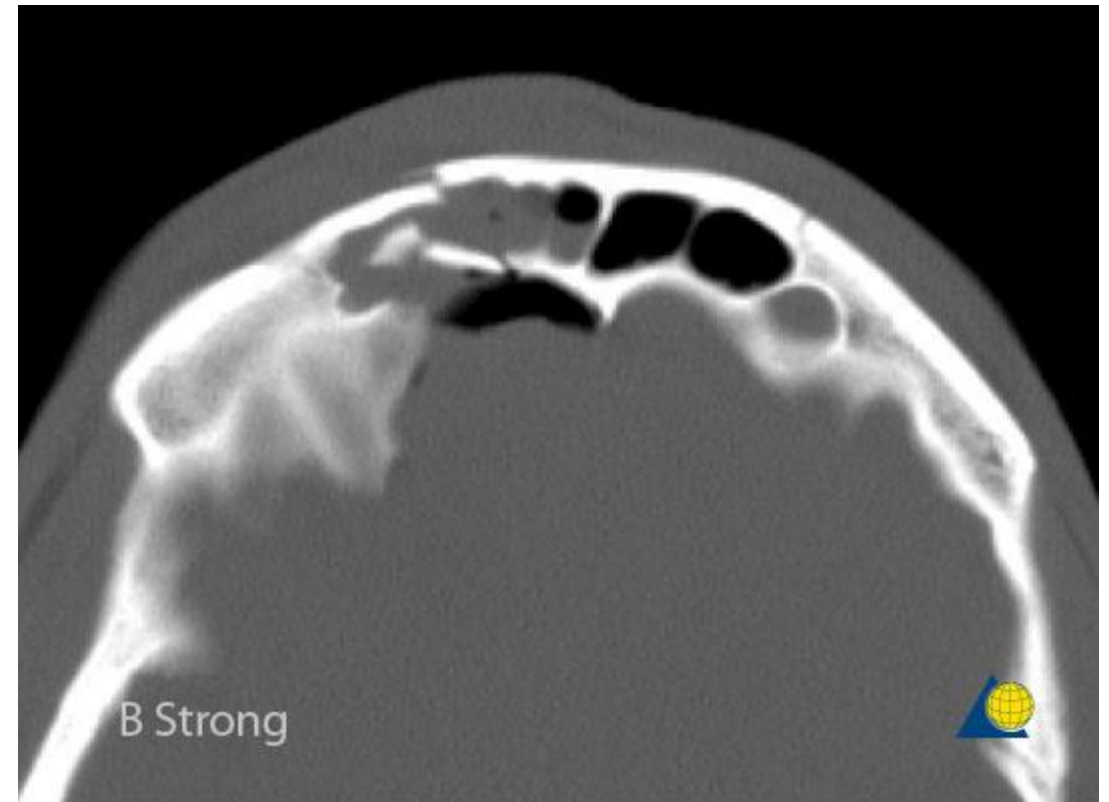
Brief discussion of closure

- Scalp
- Periocular
- Face
- Lips
- Ears
- nose



Forehead (Frontal Sinus)

- Anterior table
- Posterior table (skull fracture, call NSGY as well)
- Frontal sinus outflow
- CSF?



Orbital

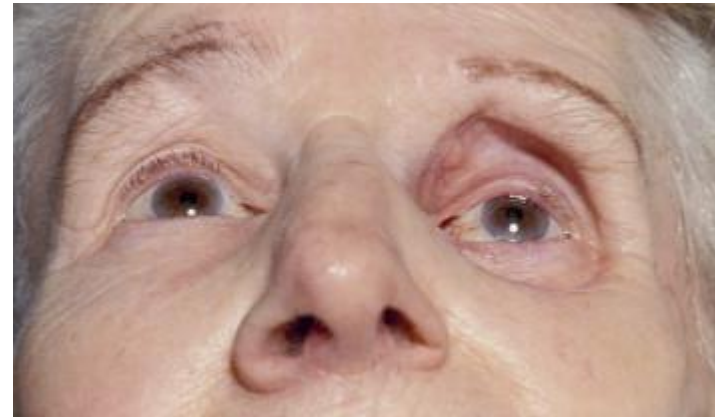
- Most common is orbital floor, but it seems like medial wall is involved frequently in Natives
- Oculocardiac reflex-bradycardia, junctional rhythm, asystole
- Entrapment
- Enophthalmos
- Really need to see the globe



Entrapment

- Historically treated like an emergency, but probably have 3 days or so to fix before it makes a big difference.
- Lots of patients will have double vision, but not entrapment
- Pry open the eye or get an Optometrist to do so
- enophthalmos

- <https://www.youtube.com/watch?v=VTD79AdLRTE>



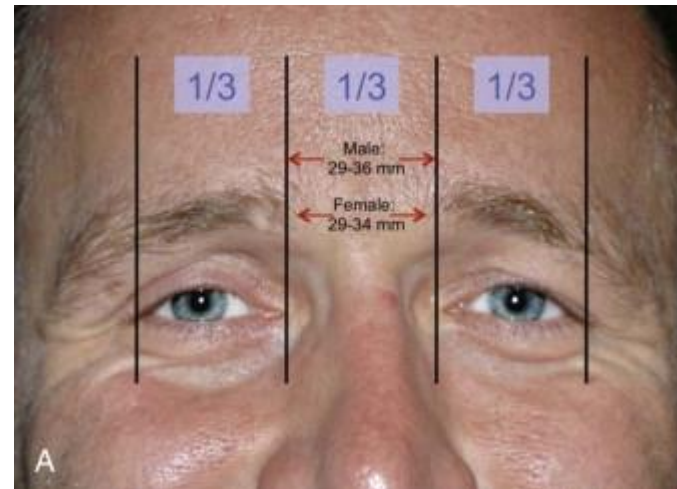
Nasal

- Most common facial fracture
- Reasons to fix: cosmetic deformity or nasal congestion
- NEEDS TO BE FIXED WITHIN 7-10 DAYS or will require a rhinoplasty



Other Midface

- Lefort fractures
- Tripod fractures
- NOE (nasoorbitoethmoidal)-telecanthus



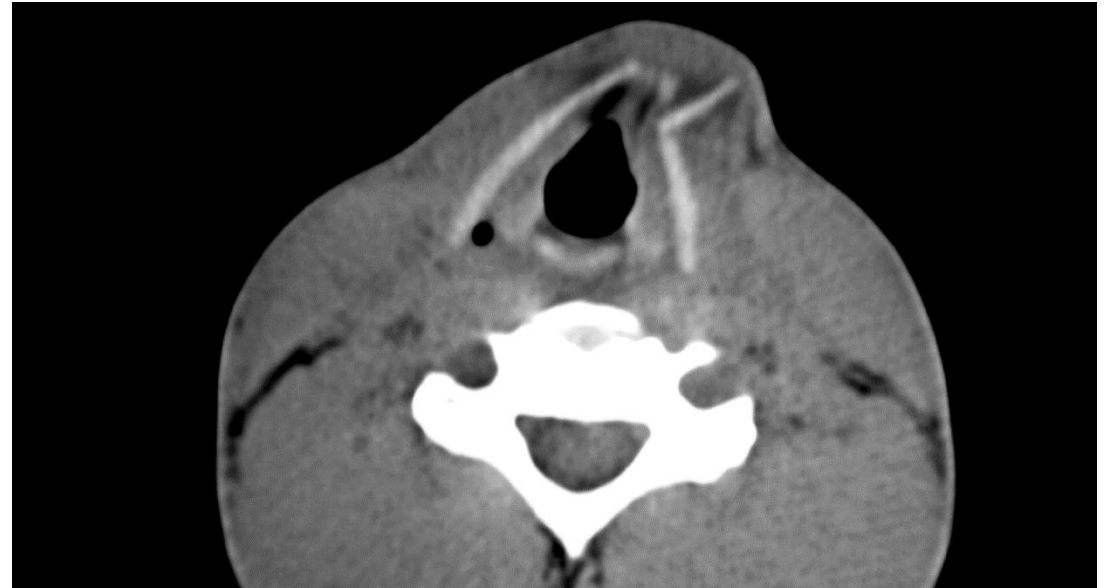
Mandible

- Oral surgery does mandibles at ANMC
- Check occlusion
- Severe fracture can cause airway obstruction
- At least think about an airway injury (make sure radiology looks at laryngeal cartilages)
- Generally require prophylactic antibiotics



Laryngeal trauma

- ANY new fracture of the laryngeal framework should be treated as an emergency even if clinically the patient is doing fine
- Minimum: observation; decadron; all should be sent to ANMC urgently, strongly consider fiberoptic intubation



General Facial Trauma Care

- get a non contrast CT scan
- soft diet
- do no blow your nose
- need to see us soon. If a fracture needs repaired, need to do within a week and pretty much have to do within 10 days (some exceptions)



Antibiotics?

- If the fracture involves a tooth bearing part of the mandible or palate
- Bites/grossly contaminated incisions



Emergency

- Airway obstruction
- Uncontrolled bleeding
- Oculocardiac reflex
- Entrapment (sort of)
- High volume CSF/leak, associated NSGY injury
- Severe soft tissue injuries you are not comfortable closing

