

Penetrating Head Trauma

Early Management Recommendations

LOGISTICS

- STAT page neurosurgery
- Activate **security standby** (charge RN or ACM); consider ED lockdown ([INSERT GUIDELINE HYPERLINK](#))
- RN or physician to call **PICU** to hold room
- Neurosurgery to call **OR** to inform them of probable case and enter booking ASAP

IMAGING

- Order **CTA head and neck**
- **Order x-ray of chest and abdomen** to evaluate for additional projectiles
- Consider **FAST**
- Order additional CTs/imaging as indicated

BLOOD PRODUCTS

- Administer blood products, if indicated
 - Consider **whole blood** if available
 - Use **pediatric blood administration** order set
 - Choose **ED/surgery uncrossmatched emergent blood**
- Consider activating DCR based on hemodynamics
 - Use **pediatric blood administration** order set
 - Choose **ED/surgery DCR blood administration**

OTHER MEDICATIONS

- Consider **TXA**, if not already given
- Administer **3% saline** if signs of increased ICP
 - Find order in ED **"Critical Care"** quick list
- Consider mannitol, in discussion with neurosurgery, if signs of increased ICP
 - Find order in ED **"Critical Care"** quick list
- Elevate HOB or initiate reverse Trendelenburg if signs of increased ICP