

Neurosurgical Consultation Guideline for Trauma

Consult the neurosurgeon if:

- **GCS \leq 8 with *any* CT scan finding indicating brain injury or hemorrhage;**

or

- **Any GCS and any one or more of the following CT scan findings or clinical risk factors:**

CT Scan Findings

1. Depressed skull fracture > 1 cm
2. Basilar skull fracture or fracture involving posterior table of frontal sinus
3. Midline shift \geq 4 mm
4. Cerebral contusions
 - Solitary if \geq 10 mm
 - Multiple if two or more are \geq 5mm
5. Subarachnoid hemorrhage \geq 5 mm
6. Acute subdural hemorrhage
 - Thickness > 5 mm
 - Thickness < 5 mm in patients taking anticoagulants or antiplatelet medications (including aspirin)
7. Epidural hemorrhage > 5 mm thickness

Clinical Risk Factors

1. CSF Leak (nose or ear)
2. Penetrating intracranial trauma
3. New focal neurologic deficit
4. New pupil asymmetry
5. New dysconjugate gaze
6. Objective hemiparesis