

**CHART REVIEW TEMPLATE
CLOSED HEAD INJURY**

Date: _____

Patient No. _____

INCLUSIONS: Infants and children from 24 hours to 18 years of age with a diagnosis of closed head injury.

EXCLUSIONS: 1) Underlying neurologic disorder, VP shunt; 2) Bleeding diathesis; 3) Intentional trauma (abuse);
4) Victim of multiple trauma

1) TRIAGE /HISTORY: (35 points)

Points

- ___ 2 Yes 0 No 1a) Respiratory rate recorded.
- ___ 2 Yes 0 No 1b) Heart rate recorded.
- ___ 2 Yes 0 No 1c) Temperature recorded.
- ___ 2 Yes 0 No 1d) Weight recorded.
- ___ 4 Yes 0 No 1e) Mental status recorded
___ Normal (alert, GCS=15)
___ Abnormal (confused, disoriented,
Lethargic, waxes and wanes,
sleepy, GCS <14)
- ___ 2 Yes 0 No 1f) Triage level urgent/emergent
___ Non-urgent ___ Urgent ___ Emergent
- ___ 10 Yes 0 No 1g) History of (no) loss of consciousness
recorded? ___ LOC ___ No LOC
- ___ 5 Yes 0 No 5 NA 1h) If LOC, duration recorded?
___ < 5 min ___ 5-15 min ___ > 15 min
(full credit for N/A)
- ___ 2 Yes 0 No 2 NA 1i) Presence/absence of amnesia of
event? (child ≥5 years)
Amnesia: ___ Present ___ Not Present
- ___ 2 Yes 0 No 1j) History of presence/absence of vomiting
recorded?
___ Vomiting present ___ No vomiting
- ___ 2 Yes 0 No 2 NA 1k) Presence/absence of headache
recorded (child ≥ 5 years):
___ None ___ Increasing since event

2) PHYSICAL EXAMINATION: (24 points)

- ___ 10 Yes 0 No 2a) Mental status assessed?
___ Normal (same criteria as 1e)
___ Abnormal
- ___ 2 Yes 0 No 2b) Pupil size/response to light documented.
___ Equal ___ Responsive ___ Unequal
___ Unresponsive (credit for any)
- ___ 5 Yes 0 No 5 NA 2c) Exam for neck tenderness
recorded if ≥5 years of age.
- ___ 5 Yes 0 No 2d) Neurological exam documented.
___ Focal findings present?
- ___ 2 Yes 0 No 2e) Documentation of scalp/face injury exam?
___ Hematoma ___ Laceration ___ Contusion
___ Abrasion ___ None (credit for any)

3) DIAGNOSTIC STUDIES: (Credit for only one option)
(10 points)

[At least one of the following must be present to receive points for
obtaining CT scan, or transferring patient to higher care facility]

- ___ Loss of consciousness ___ Abnormal neurologic/mental status
___ Persistent (2 or more episodes) vomiting ___ Amnesia
___ Headache ___ Scalp hematoma ___ Age < 3 months
- ___ 10 Yes 0 No 10 N/A (Asymptomatic patients)
___ CT available, performed ___ Normal ___ Abnormal
___ CT available, not done, but observed at least 6 hours
___ CT not available, observed at least 6 hours, sent home
___ CT not available, transferred to higher care

4) MANAGEMENT: (10 points)

- ___ 5 Yes 0 No 5 NA 4a) Intubated for GCS < 9.
- ___ 5 Yes 0 No 5 NA 4b) If intubated, were
neuroprotective drugs used?
___ Etomidate ___ Thiopental
___ Lidocaine (IV) ___ Paralytics
___ Other _____

5) DISPOSITION: (21 points)

- ___ 15 Yes 0 No
- 5a) ▪Patient sent home from ED
(Both below must apply to get credit)
___ Brief/no loss of consciousness (< 1 min) or CT
___ Normal exam at discharge
- Admitted to this hospital for observation
___ Neurosurgical on-call services available
- Transferred to facility with neurosurgical services (at least
one of the situations below must be present for credit):
___ Loss of consciousness > 1 minute
___ Progressive decline in level of consciousness
___ Abnormal CT scan
___ Unavailable CT with criteria justifying need
___ Abnormal neurological exam
- ___ 2 Yes 0 No 2 NA
- 5b) If sent home, discharge instruction document symptoms
to require return to ED: (All apply)
___ Increasing headache/agitation; ___ Decreased level of
consciousness; ___ Seizures; ___ Persistent or increasing
vomiting; ___ Focal neurologic signs (credit for N/A)
- ___ 2 Yes 0 No 2 NA 5c) If school age and sent home,
document when to return to sports.
(credit for N/A)
- ___ 2 Yes 0 No 2 NA 5d) Follow-up recommendations
(credit for N/A)

TOTAL: _____