

Clinical Management Tool: Pediatric (UNDER 2yo) Minor Head Injury

Children UNDER 2 Years Old • (Tool Only for Acute Injury within previous 24 hours)

START HERE

MAJOR FACTORS

- GCS <15
- Palpable skull fracture
- Signs of basilar skull fracture
- AMS (agitation, somnolence, slow response, repetitive questioning)

YES
TO ANY

CT ADVISED

High Risk – 4.4% risk of ci-tbi**

MINOR FACTORS

- Scalp hematoma (excluding frontal)
- LOC >5 seconds
- Not acting normally per parent
- Severe mechanism of injury
 - Fall >3 feet
 - MVC w/ejection, rollover, or fatality
 - Bike/peds vs. vehicle w/o helmet
 - Struck by high-impact object

NO
TO ALL

NO
TO ALL

YES TO ANY Intermediate Risk – 0.9% risk of ci-tbi**

- >1 Minor Factor
- <3 months old

NO
TO ALL

Observation: 4 hours
from time of injury

YES TO ANY

DETERIORATION

NO DETERIORATION

CT NOT ADVISED

Low Risk – <0.02% risk of ci-tbi**

May discharge home with follow-up
advised within 24 hours if concerned

** ci-TBI: risk of clinically important TBI based on PECARN (Lancet, 2009) validated prediction rules. Clinically important TBI is defined as death from TBI, neurosurgery, intubation for > 24 hours, or hospitalization for > 2 nights due to a TBI.