Guideline



CCHMC Trauma Service Guidelines

Title: Severe Traumatic Brain Injury Guideline

Effective Date: 6/2018 Number: TR-29 Page: 1 of 4

1.0 SCOPE

- 1.1. Care of the Trauma Services patient at CCHMC.
- 1.2. This guideline provides the clinical guidance of care for any patient with a severe traumatic brain injury (TBI).

2.0 DEFINITIONS

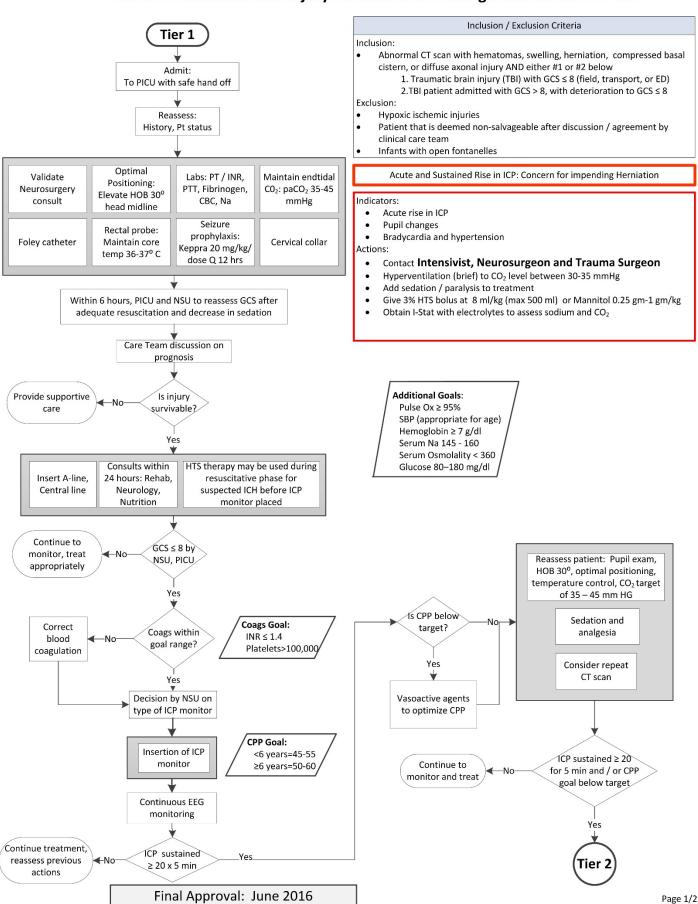
- 2.1. Severe Traumatic Brain Injury: Inclusion Criteria:
 - 2.1.1. Abnormal CT scan with hematomas, swelling, herniation, compressed basal cistern, or diffuse axonal injury AND either #1 or #2 below
 - 2.1.1.1. Traumatic brain injury (TBI) with GCS ≤ 8 (field, transport, or ED)
 - 2.1.1.2. TBI patient admitted with GCS > 8, with deterioration to GCS ≤ 8
- 2.2. Exclusion Criteria:
 - 2.2.1. Hypoxic ischemic injuries.
 - 2.2.2. Patient that is deemed non-salvageable after discussion / agreement by clinical care team
 - 2.2.3. Infants with open fontanelles

3.0 GUIDELINE

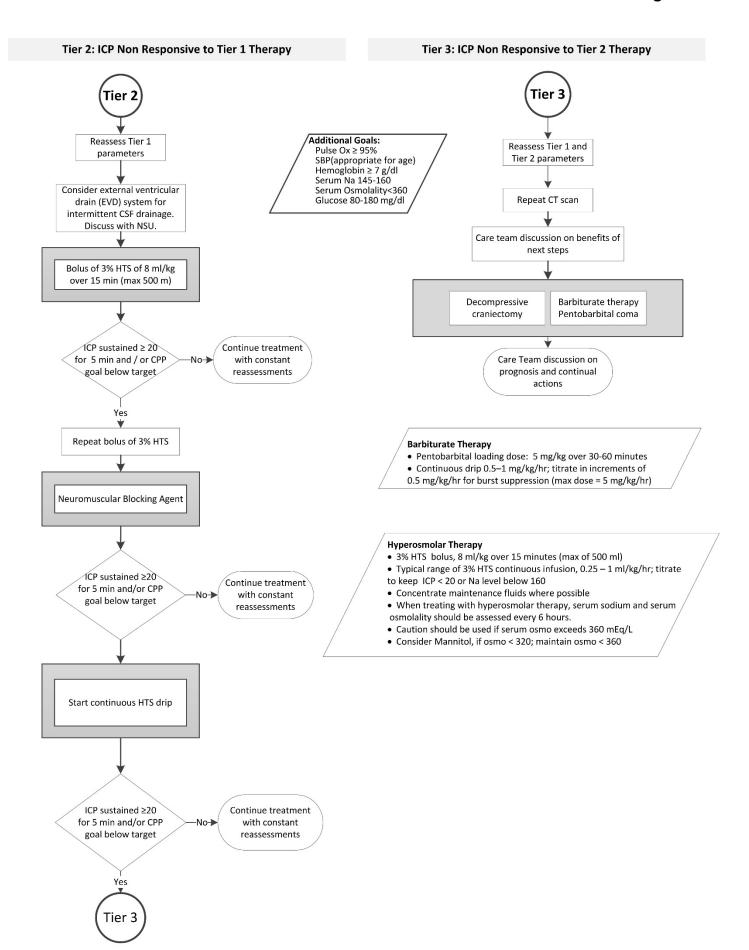
- 3.1. Complete primary and secondary survey per guidelines.
- 3.2. Refer to Severe TBI flow diagram next page

Severe TBI Guideline Page 2 of 4

Severe Traumatic Brain Injury: Guideline for Management of ICH in PICU



Severe TBI Guideline Page 3 of 4



Severe TBI Guideline Page 4 of 4

4.0 REFERENCES

4.1. Brain Trauma Foundation; American Association of Neurological Surgeons; Congress of Neurological Surgeons; Joint section of Neurotrauma and Critical Care, AANS/CNS, Bratton SL, Chestnut RM, Ghajar J, McConnell Hammond FF, Harris OA, Hartl R, Manley GT, Nemecek A, Newell DW, Rosenthal F, Schouten J, Shutter L, Timmons SD, Ullman JS, Videtta W, Wilberger JE, Wright DW. Guidelines for the Management of Severe Traumatic Brain Injury. 2007.

5.0 APPROVALS

All revisions of this guideline are approved by the Trauma Service Department. This guideline is reviewed every three years or sooner if deemed necessary. Policy authority for this document resides with the Trauma Service Department. This guideline is approved by the Trauma Services Manager and the Director of Trauma Services.

	HISTORY	
Original Date		
07/2016		
Revision Date		
Review Date		
06/18		