Traumatic Brain Injury (TBI) Pathway, GCS 15

GCS 15

- Loss of consciousness
- Peri-event amnesia
- Post-traumatic vertigo, headache, nausea/vomiting
- Confusion/disorientation to time, place, person
- Cephalohematoma, head wounds
- Evidence of clinical intoxication
- Focal neurological signs/deficits
- Post-traumatic seizures
- Known anti-coagulation use (specifically, warfarin)

YES

CT Head

YES

(-) Acute findings

ADMISSION

NO

D/C with “Head Injury” Instruction packet

NO

(-) Acute findings

(1) May D/C if no other injuries requiring admission
(2) D/C with “Head Injury” Instruction packet
(3) Follow-up with TBI clinics if patient has concussive symptoms
   (Guillamondegui or NP clinic)
REFERENCES:

(1) J J Bazarian, J McClung, Y T Cheng, W Flesher and S M Schneider. Emergency
2005;22;473-477

(2) A Fabbri, F Servadei, G Marchesini, A M Morselli-Labate, M Dente, T Iervese, M
Spada, A Vandelli. Prospective validation of a proposal for diagnosis and
management of patients attending the emergency department for mild head injury.
*J Neurol Neurosurg Psychiatry* 2004;75:410–416

(3) ZC Sifri, DH Livingston, RF Lavery, AT Homnick, AC Mosenthal, AM. Mohr, CJ
Hauser. Value of repeat cranial computed axial tomography scanning in patients

(4) WR Mower, JR Hoffman, M Herbert, AB Wolfson, CV Pollack, Jr., MI Zucker.
Developing a Clinical Decision Instrument to Rule Out Intracranial Injuries in
Patients With Minor Head Trauma: Methodology of the NEXUS II Investigation.

(5) C Atzema, WR Mower, JR Hoffman, JF Holmes, AJ Killian, JA Oman, AH Shen,
SD Greenwood. Defining ‘‘Therapeutically Inconsequential’’ Head Computed
2004;44:47-56.

(6) A Chanmugam. Examining the role of cranial CT in the evaluation of patients with

(7) O Davini, D Garabello, M Berardino, A Berchio, G Ciccone, S Leombruni.
Evidence-based medicine and radiology: how to build a guideline. An attempt in

(8) MJ Rapoport, S McCullagh, P Shammi, A Feinstein. Cognitive impairment
associated with major depression following mild and moderate traumatic brain

(9) R Ruff. Two decades of advances in understanding of mild traumatic brain injury. *J
Head Trauma Rehab.* 20(1):5-18, 2005 Jan-Feb.

(10) HS Levin HS, SR McCauley, CP Josic, C Boake, SA Brown, HS Goodman, SG
Merritt, SI Brundage. Predicting depression following mild traumatic brain injury.
*Arch Gen Psychiatr.* 62(5):523-8, 2005 May

(11) GL Iverson, RT Lange, MD Franzen. Effects of mild traumatic brain injury cannot

(12) JD Cassidy JD, LJ Carroll, PM Peloso. Incidence, risk factors and prevention
of mild traumatic brain injury: Results of the WHO Collaborating Centre Task

(13) AS Jagoda, SV Cantrill, RL Wears. Clinical policy: neuroimaging and
decision-making in adult mild traumatic brain injury in the acute setting. *Ann Emerg

(14) RE Jorge, RG Robinson, SE Starkstein. Influence of major depression on

(15) N Bohnen, A Twijnstra, J Jolles. Post-traumatic and emotional symptoms in


(26) Centers for Disease Control and Prevention. National Hospital Ambulatory Medical Care Survey. Available at www.cdc.gov/nchs/about/major/ahcd/
