ED CT Blunt Head Injury Guideline Brown EMERGENCY MEDICINE BROWN PHYSICIANS, INC. **Universal Inclusion Criteria:** START: ED or Trauma 1) >= 18 years of age TIP: Use the 'CT Brain' clinical Provider is considering CT 2) There was blunt head injury decision tool available in brain for an injured patient 3) The injury occurred < 24 hours Lifechart (ED Activities -> ago Document) for automated support for this algorithm **Universal Exclusion Criteria:** 1) Age >= 65 Meets ALL 2) Coagulopathy is present inclusion criteria. NO 3) Focal neurologic deficit exclusion criteria 4) Unstable or Level A activation present. **Additional Inclusion** STOP: Imaging decision Yes Criteria for Canadian is not in scope of this No (any ONE of): guideline, decision as per 1) Loss of provider judgment. consciousness 2) Witnessed Choose Canadian or **NEXUS CANADIAN** disorientation **NEXUS** rule 3) Amnesia to head injury event **NEXUS CT Head Rule** Canadian CT Head Rule least one additional Canadian No, Go To NEXUSinclusion criterion present? Yes **Review Remaining Canadian CT Head Criteria Review Remaining NEXUS Head CT Criteria** Seizure after injury Evidence of significant skull fracture •GCS < 15 two hours after injury Scalp hematoma (calvarium, not face / neck) •Suspected open or depressed skull fracture •Altered level of alertness (including GCS <= 14) •Any sign of a basilar skull fracture (e.g. hemotympanum, •Abnormal behavior (e.g. inappropriate actions or raccoon eyes, Battle's sign, leaking CSF) unable to cooperate) Persistent vomiting (2 or more episodes) Persistent vomiting (2 or more episodes of forceful •Amnesia > 30 minutes before event emesis) •Dangerous mechanism (e.g. pedestrian struck, ejected from vehicle, fall from > 3ft or 5 stairs) Any positive criteria from chosen decision rule? Yes -No NO CT: YES CT: Clinically significant brain CT brain imaging is injury is reasonably

excluded

recommended