**Web-Only Appendix**

**eFigure 1: Data Collection Form**

**Determination of Risk of Significant Intracranial Injury in Blunt Trauma Patients Undergoing Computed Head Tomography: Physician Data Collection Form**

**DEMOGRAPHIC DATA**

Date: / / Study ID # \_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Birth: / /

Sex: **🞎** Female **🞎** Male **🞎** Unknown

Race:

**🞎** White **🞎** Black **🞎** Hispanic **🞎** Asian **🞎** Middle Eastern **🞎** Native American **🞎** Other

**PATIENT STATUS**

**🞎**Stable **🞎**Unstable (i.e. patient is so severely injured that there isn’t enough time to assess criteria shown below)

**REASON FOR COMPUTED HEAD TOMOGRAPHY**

**🞎** Blunt Head Injury **🞎** Other

**PATIENT STATUS**

**🞎** Stable (Print request after complete data entry) **🞎** Unstable (Print request with incomplete data)

**EVALUATION**

Please indicate whether any of the following characteristics are present:

Signs of basilar, depressed or diastatic skull fracture: **🞎** Yes **🞎** No **🞎** Unknown

Scalp Hematoma: **🞎** Yes **🞎** No **🞎** Unknown

Neurologic deficit: **🞎** Yes **🞎** No **🞎** Unknown

Abnormal level of alertness: **🞎** Yes **🞎** No **🞎** Unknown

Abnormal behavior: **🞎** Yes **🞎** No **🞎** Unknown

Recurrent or forceful vomiting: **🞎** Yes **🞎** No **🞎** Unknown

Coagulopathy: **🞎** Yes **🞎** No **🞎** Unknown

Coumadin **🞎** Yes **🞎** No **🞎** Unknown

Aspirin/Salicylate **🞎** Yes **🞎** No **🞎** Unknown

Clopidogrel **🞎** Yes **🞎** No **🞎** Unknown

Other **🞎** Yes **🞎** No **🞎** Unknown

Eyes spontaneously open with blinking: **🞎** Yes **🞎** No **🞎** Unknown

Oriented - knows name, age, etc.: **🞎** Yes **🞎** No **🞎** Unknown

Obeys verbal commands: **🞎** Yes **🞎** No **🞎** Unknown

Amnesia > 30 minutes before injury **🞎** Yes **🞎** No **🞎** Unknown

Dangerous mechanism **🞎** Yes **🞎** No **🞎** Unknown

**eFigure 2. Intracranial Injuries considered significant.**

Epidural hematoma

Intracerebral hematoma

Diffuse cerebral edema

Intraventricular hemorrhage

Depressed skull fracture

Complex skull fracture

Cerebral contusion >2 cm in diameter

Subdural hematoma

Cerebellar hematoma

Subarachnoid hemorrhage

Pneumocephalus

Diastasis of the skull

Traumatic infarction

Multiple cerebral contusions

**eTable 1. Prevalence of Significant Intracranial Injury and Surgical Intervention by Coagulopathy 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Coagulopathy** | **All Patients,****N=9,070,****N (%)** | **Patients without sICI, n=8,538,****n (%)** | **Patients with sICI, n=532,****n (%)** | **Patients needing NSx intervention, n=297****n (%)** |
| Aspirin Alone-No -Yes -Unknown | 5715 (63.0)635 (7.0) 2720(30.0) | 5505 (64.5)605 (7.1) 2428 (28.4) | 210 (39.5)30 (5.6)292 (54.9) |  85 (28.6) 9 (3.0) 203 (68.4) |
| Clopidogrel Alone-No -Yes -Unknown | 5715 (63.0)109 (1.2) 3246 (35.8) | 5505 (64.5)106 (1.2) 2927 (34.3) | 210 (39.5)3 (0.6)319 (60.0)  |   85 (28.6) 1 (0.3) 211 (71.0)  |
| Warfarin Alone-No -Yes -Unknown | 5715 (63.0)406 (4.5) 2949 (32.5) | 5505 (64.5)378 (4.4)2655 (31.1) | 210 (39.5)28 (5.3)294 (55.3) |  85 (28.6) 16 (5.4) 196 (66.0) |
| Aspirin + Clopidogrel-No -Yes -Unknown | 5715 (63.0)85 (0.9)3270 (36.1) | 5505 (64.5)106 (1.2)2927 (34.3) | 210 (39.5)9 (1.7)313 (58.8) | 85 (28.6)6 (2.0)206 (69.4) |
| Aspirin + Warfarin-No -Yes -Unknown | 5715 (63.0)42 (0.7)3313 (36.3) | 5505 (64.5)63 (0.7)2970 (34.8) | 210 (39.5)2 (0.4)320 (60.2) | 85 (28.6)2 (0.7)210 (70.7) |

1. Unknown treated as Missing data.