Neurological Assessments

Patient Identification Information [_____]

(Subject.SubjectID) **GCS and PUPILS**

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(InjuryHx.EDNeuroAssmtsCompleteStatus) **Form Completion Status**
☐ Not Started
☐ In Process
☐ Complete
☐ Queries Outstanding
☐ Not Performed

SCENE OF ACCIDENT   (InjuryHx.GcsPreHospNotDone)
○ Not Done / Results not available

(InjuryHx.GcsPreHospBestDate)
Date
dd-mmm-yyyy
[_____]

(InjuryHx.GcsPreHospBestTime)
Time
hh:mm
[_____]

(InjuryHx.PreHospAssmtConditions) Assessment conditions:
☐ No sedation or paralysis
☐ Paralyzed
☐ Sedated
☐ Temporary stop of sedation/paralysis
☐ Reversal of sedation/paralysis
☐ Active reversal (pharmacologic) of sedation/paralysis
☐ Other

(Subject.SubjectID) **GCS**

(InjuryHx.GCSPreHospBestEyes) Eye opening:
☐ 1-None
☐ 2-To pain
☐ 3-To speech
☐ 4-Spontaneously
☐ Untestable (swollen)
☐ Untestable (Other)
☐ Unknown

(InjuryHx.GCSPreHospBestMotor) Motor:
☐ 1-None
☐ 2-Abnormal extension
☐ 3-Abnormal flexion
☐ 4-Normal flexion/withdrawal
☐ 5-Localizes to pain
☐ 6-Obeys command
☐ Untestable (Deep sedation/paralyzed)
☐ Untestable (Other)
☐ Unknown

(InjuryHx.GCSPreHospBestVerbal) Verbal:
☐ 1-None
☐ 2-Incomprehensible sound
☐ 3-Inappropriate words
☐ 4-Confused
☐ 5-Oriented
☐ Untestable (Tracheotomy/endotracheal tube)
☐ Untestable (Other)
☐ Unknown

(InjuryHx.GCSPreHospBestScore) GCS Score
(calc):
[_____]

(InjuryHx.GCSPreHospBestReportedTotalScore) GCS
sum score
(only use if component scores unknown)
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☐ 9
☐ 10
☐ 11
☐ 12
☐ 13
☐ 14
☐ 15

(Subject.) **Pupils**
(InjuryHx.GCSPreHospPupilSymmetry) Pupil symmetry
☐ Equal
☐ Unequal R>L
☐ Unequal L>R
☐ Untestable
☐ Unknown

(InjuryHx.GCSPreHospPupilReactivityLghtLftEyeResult) LEFT
Reactivity:
☐ - (Negative)

(InjuryHx.GcsPreHospLftEyeMeasr) Size
(1-9mm):

(InjuryHx.GCSPreHospPupilLftEyeMeasureUnkUnt) Untestable/Unknown
☐ Untestable
☐ Unknown

☐ + (Sluggish)
☐ + (Brisk)

(Subject.SubjectID)
(InjuryHx.GCSPreHospPupilReactivityLghtRghtEyeResult)
RIGHT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.GcsPreHospRghtEyeMeasr)
Size
(1-9mm):

(InjuryHx.GCSPreHospPupilRightEyeMeasureUnkUnt)
Untestable/Unknown
☐ Untestable
☐ Unknown

FIRST HOSPITAL (InjuryHx.GCSFirstHospNotDone)
○ Not done / Results not available

First Hospital is the hospital BEFORE the patient arrives at the Study Hospital.
If the patient did not arrive directly to the Study Hospital

(InjuryHx.GCSFirstHospScoreDate)
Date
dd-mmm-yyyy

(InjuryHx.GCSFirstHospScoreTime)
Time
hh:mm

(InjuryHx.FirstHospAssmtCondition) Assessment conditions:
☐ No sedation or paralysis
☐ Paralyzed
☐ Sedated
☐ Temporary stop of sedation/paralysis
☐ Reversal of sedation/paralysis
☐ Active reversal (pharmacologic) of sedation/paralysis
☐ Other

(Subject.) **GCS**

(InjuryHx.GCSFirstHospEyes) Eye opening:
☐ 1-None
☐ 2-To pain
☐ 3-To speech
☐ 4-Spontaneously
☐ Untestable (swollen)
☐ Untestable (other)
☐ Unknown

(InjuryHx.GCSFirstHospMotor) Motor:
☐ 1-None
☐ 2-Abnormal extension
☐ 3-Abnormal flexion
☐ 4-Normal flexion/withdrawal
☐ 5-Localizes to pain
☐ 6-Obeys command
☐ Untestable (Deep sedation/paralyzed)
☐ Untestable (Other)
☐ Unknown

(InjuryHx.GCSFirstHospVerbal) Verbal:
☐ 1-None
☐ 2-Incomprehensible sound
☐ 3-Inappropriate words
☐ 4-Confused
☐ 5-Oriented
☐ Untestable (tracheotomy/endotracheal tube)
☐ Untestable (Other)
☐ Unknown

(InjuryHx.GCSFirstHospScore) GCS Score
(calc):

(InjuryHx.GCSFirstHospReportedTotalScore) GCS sum
score
(only use if component scores unknown)
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8
☐ 9
☐ 10
☐ 11
☐ 12
☐ 13
☐ 14
☐ 15

(Subject.) **Pupils**
(InjuryHx.GCSFirstHospPupilSymmetry) Pupil symmetry
☐ Equal
☐ Unequal R>L
☐ Unequal L>R
☐ Untestable
☐ Unknown

(InjuryHx.GCSFirstHospPupilReactivityLightLftEyeReslt)
LEFT
Reactivity
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.GCSFirstHospPupilLftEyeMeasure)
Size
(1-9mm):

(InjuryHx.GCSFirstHospPupilLftEyeMeasureUnkUnt)
Untestable/Unknown
☐ Untestable
☐ Unknown

(Subject.)

(InjuryHx.GCSFirstHospPupilReactivityLightRghtEyeReslt)
RIGHT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.GCSFirstHospPupilRightEyeMeasure)
Size
(1-9mm):
☐

(InjuryHx.GCSFirstHospPupilRightEyeMeasureUnkUnt)
Untestable/Unknown
☐ Untestable
☐ Unknown

ARRIVAL TO ER OF STUDY HOSPITAL (InjuryHx.GcsEDArrNotDone)
○ Not done / Results not available

(InjuryHx.GcsEDArrScoreDate) Date   (InjuryHx.GcsEDArrScoreTime) Time
dd-mmm-yyyy   hh:mm
☐   ☐

(InjuryHx.GcsEDArrAssmtCond) Assessment conditions:
☐ No sedation or paralysis
☐ Paralyzed
☐ Sedated
☐ Temporary stop of sedation/paralysis
☐ Reversal of sedation/paralysis
☐ Active reversal (pharmacologic) of sedation/paralysis
☐ Other

GCS
(InjuryHx.GCSEDArrEyes) Eye opening:
☐ 1-None
☐ 2-To pain
☐ 3-To speech
☐ 4-Spontaneously
☐ Untestable (swollen)
☐ Untestable (other)
☐ Unknown
(InjuryHx.GCSEDArrMotor) Motor:
☐ 1-None
☐ 2-Abnormal extension
☐ 3-Abnormal flexion
☐ 4-Normal flexion/withdrawal
☐ 5-Localizes to pain
☐ 6-Obeys command
☐ Untestable (Deep sedation/paralyzed)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSEDArrVerbal) Verbal:
☐ 1-None
☐ 2-Incomprehensible sound
☐ 3-Inappropriate words
☐ 4-Confused
☐ 5-Oriented
☐ Untestable (Tracheotomy/endotracheal tube)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSEDArrScore) GCS Score:
☐

(Subject.) **Pupils**
(InjuryHx.EDArrPupilSymmetry) Pupil symmetry
☐ Equal
☐ Unequal R>L
☐ Unequal L>R
☐ Untestable
☐ Unknown

(InjuryHx.EDArrPupilReactivityLghtLftEyeReslt) LEFT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.EDArrPupilLftEyeMeasr) Size
(1-9mm):
☐

(InjuryHx.EDArrPupilLftEyeMeasrUnkUnt) Untestable/Unknown
☐ Untestable
☐ Unknown

(Subject.)

(InjuryHx.EDArrPupilReactivityLghtRtEyeReslt) RIGHT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.EDArrPupilRtEyeMeasr) Size
(1-9mm):
☐

(InjuryHx.EDArrPupilRtEyeMeasrUnkUnt) Untestable/Unknown
☐ Untestable
☐ Unknown

POST-STABILIZATION (InjuryHx.GcsEDDischNotDone)
○ Not done / Results not available

(InjuryHx.GcsEDDischScoreDate) Date   (InjuryHx.GcsEDDischScoreTime) Time
dd-mmm-yyyy   hh:mm
☐   ☐

(InjuryHx.GcsEDDischAssmtCond) Assessment conditions:
☐ No sedation or paralysis
☐ Paralyzed
☐ Sedated
☐ Temporary stop of sedation/paralysis
☐ Reversal of sedation/paralysis
☐ Active reversal (pharmacologic) of sedation/paralysis
☐ Other

GCS
(InjuryHx.GCSEDDischEyes) Eye opening:
☐ 1-None
☐ 2-To pain
☐ 3-To speech
☐ 4-Spontaneously
☐ Untestable (swollen)
☐ Untestable (other)
☐ Unknown
(InjuryHx.GCSEDDischMotor) Motor:
☐ 1-None

☐ 2-Abnormal extension
☐ 3-Abnormal flexion
☐ 4-Normal flexion/withdrawal
☐ 5-Localizes to pain
☐ 6-Obeys command
☐ Untestable (Deep sedation/paralyzed)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSEDDischVerbal) Verbal:
☐ 1-None
☐ 2-Incomprehensible sound
☐ 3-Inappropriate words
☐ 4-Confused
☐ 5-Oriented
☐ Untestable (Tracheotomy/endotracheal tube)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSEDDischScore) GCS Score:
[   ]

Pupils
(InjuryHx.EDDischPupilSymmetry) Pupil symmetry
☐ Equal
☐ Unequal R>L
☐ Unequal L>R
☐ Untestable
☐ Unknown

(InjuryHx.EDDischPupilReactivityLghtLftEyeReslt) LEFT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.EDDischPupilLftEyeMeasr) Size
(1-9mm):
[   ]

(InjuryHx.EDDischPupilLftEyeMeasrUnkUnt) Untestable/Unknown
☐ Untestable
☐ Unknown

(Subject.)

(InjuryHx.EDDischPupilReactivityLghtRtEyeReslt) RIGHT
Reactivity:
☐ - (Negative)
☐ + (Sluggish)
☐ + (Brisk)

(InjuryHx.EDDischPupilRtEyeMeasr) Size
(1-9mm):
[   ]

(InjuryHx.EDDischPupilRtEyeMeasrUnkUnt) Untestable/Unknown
☐ Untestable
☐ Unknown

OTHER (InjuryHx.GCSOtherNotDone)
◯ Not done / Results not available

(InjuryHx.GCSOtherDate) Date   (InjuryHx.GCSOtherTime) Time
dd-mmm-yyyy   hh:mm
[   ]   [   ]

(InjuryHx.GCSOtherAssmtConditions) Assessment conditions:
☐ No Sedation or Paralysis
☐ Paralyzed
☐ Sedated
☐ Temporary stop of sedation/paralysis
☐ Reversal of sedation/paralysis
☐ Active reversal (pharmacologic) of sedation/paralysis
☐ Other

GCS
(InjuryHx.GCSOtherEyes) Eye opening:
☐ 1-None
☐ 2-To pain
☐ 3-To speech
☐ 4-Spontaneously
☐ Untestable (swollen)
☐ Untestable (other)
☐ Unknown
(InjuryHx.GCSOtherMotor) Motor:
☐ 1-None
☐ 2-Abnormal extension
☐ 3-Abnormal flexion
☐ 4-Normal flexion/withdrawal
☐ 5-Localizes to pain
☐ 6-Obeys command
☐ Untestable (Deep sedation/paralyzed)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSOtherVerbal) Verbal:
☐ 1-None
☐ 2-Incomprehensible sound
☐ 3-Inappropriate words
☐ 4-Confused
☐ 5-Oriented
☐ Untestable (tracheotomy/endotracheal tube)
☐ Untestable (Other)
☐ Unknown
(InjuryHx.GCSOtherScore) GCS Score:
[   ]

Pupils
(InjuryHx.GCSOtherPupilSymmetry) Pupil symmetry
☐ Equal

- ☐ Unequal R>L
- ☐ Unequal L>R
- ☐ Untestable
- ☐ Unknown

(InjuryHx.GCSOtherPupilReactivityLightLftEyeReslt) LEFT Reactivity:
- ☐ - (Negative)
- ☐ + (Sluggish)
- ☐ + (Brisk)

(InjuryHx.GCSOtherPupilLftEyeMeasure) Size (1-9mm):

(InjuryHx.GCSOtherPupilLftEyeMeasureUnkUnt) Untestable/Unknown
- ☐ Untestable
- ☐ Unknown

(InjuryHx.GCSOtherReactivityLightRghtEyeReslt) RIGHT Reactivity:
- ☐ - (Negative)
- ☐ + (Sluggish)
- ☐ + (Brisk)

(InjuryHx.GCSOtherPupilRightEyeMeasure) Size (1-9mm):

(InjuryHx.GCSOtherRightEyeMeasureUnkUnt) Untestable/Unknown
- ☐ Untestable
- ☐ Unknown

(Subject.SubjectID) **AVPU**

(InjuryHx.NeuroAssmtsAVPU) AVPU score on arrival to ER:
- ○ Unknown
- ○ Patient is awake
- ○ Patient responds to verbal stimulation
- ○ The patient responds to painful stimulation
- ○ The patient is completely unresponsive

(InjuryHx.PresTBIRef) PresTBI Ref
- ☐ Primary
- ☐ Secondary

LOC and PTA

(InjuryHx.LOCLossOfConsciousness) **LOC (Loss Of Consciousness)**
- ○ No
- ○ Yes
- ○ Suspected
- ○ Unknown

(InjuryHx.LOCDuration) Duration:
- ☐ <1 minute
- ☐ 1-29 minutes
- ☐ 30-59 minutes
- ☐ 1-24 hours
- ☐ 1-7 days
- ☐ >7 days
- ☐ No return of consciousness
- ☐ Unknown

(InjuryHx.LOCReportedBy) Source of verification:
- ☐ Self report
- ☐ Witness
- ☐ Clinical interview
- ☐ Medical chart
- ☐ Not available

(InjuryHx.LOCLucidInterval) **Lucid Interval**
- ○ No
- ○ Yes
- ○ Unknown

(InjuryHx.LOCLucidIntervalHrs) Number of hours after injury that secondary deterioration occured

(InjuryHx.LOCLucidIntervalHrsUnk) ☐ Unknown

(InjuryHx.LOCGCSSumDet) **GCS sum score deterioration within one hour after presentation**
- ○ None
- ○ 1 point
- ○ 2 or more points
- ○ Unknown

(InjuryHx.LOCRGA) **Retrograde Amnesia**
- ○ No
- ○ Yes
- ○ Unknown

(InjuryHx.LOCRGADur) Duration:
- ☐ None
- ☐ <30
- ☐ >= 30 minutes
- ☐ Unknown

(InjuryHx.LOCRGAReportBy) Source of verification:
- ☐ Self report
- ☐ Witness
- ☐ Clinical interview
- ☐ Medical chart
- ☐ Not available

(InjuryHx.LOCPTA) **PTA (Post Traumatic Amnesia)**
- ○ No
- ○ Yes, ongoing
- ○ Yes, resolved
- ○ Suspected
- ○ Unknown

(InjuryHx.LOCPTADuration) Duration:
- ☐
- ☐ less than 1 hour
- ☐ 1-2 hours
- ☐ 2-4 hours
- ☐ 4-24 hours
- ☐ greater than 1 day
- ☐ Unknown

(InjuryHx.LOCPTAReportedBy) Source of verification:
- ☐ Patient
- ☐ Witness
- ☐ Retrospective assessment/ clinical interview
- ☐ Prospective assessment with PTA scale
- ☐ Medical chart
- ☐ Not available

(InjuryHx.LOCPTAScale) PTA Scale Used:
- ☐ GOAT
- ☐ Westmead
- ○ O-Log
- ☐ Nijmegen PTA scale
- ☐ Other

(InjuryHx.LOCAOC) **AOC (Alteration of Consciousness)**
- ○ Not tested due to LOC
- ○ No
- ○ Yes, immediate
- ○ Yes, delayed onset
- ○ Suspected
- ○ Unknown

(InjuryHx.LOCAOCDuration) Duration:
- ☐ None
- ☐ <1 minute
- ☐ 1-29 minutes
- ☐ 30-59 minutes
- ☐ 1-24 hours
- ☐ 1-7 days
- ☐ >7 days
- ☐ Unknown

(InjuryHx.LOCAOCDelayedHrs) Number of hours after injury that alteration of consciousness occurred

(InjuryHx.LOCAOCReportedBy) Source of verification:
- ☐ Patient
- ☐ Witness
- ☐ Clinical interview
- ☐ Medical chart
- ☐ Not available

(InjuryHx.LOCAOCDelayedHrsUnk) ☐ Unknown

Overall rating:

(Subject.) How different is the person acting compared to his/her usual self?

Normal (InjuryHx.ACEOverallRating) ○1 ○2 ○3 ○4 ○5 ○6 *Very Different* (InjuryHx.ACEOverallRatingUnknown) ☐ Unknown

(Subject.SubjectID) Rating performed by: (InjuryHx.ACERatedBy) ☐ Proxy
☐ Subject
☐ Both proxy and subject
☐ Not done

(Subject.SubjectID)   *Proxy preferred

(InjuryHx.SympVomiting) Vomiting:
○ No
○ Once
○ More than once
○ Unknown

(InjuryHx.ACEFocalNeuroDeficit) Focal neurological deficit (eg paresis or dysphasia):
○ No
○ Yes
○ Unknown

Paresis   (InjuryHx.ACEFocalNeuroDeficitParesis) ○ No ○ Yes ○ Unknown
Dysphasia   (InjuryHx.ACEFocalNeuroDeficitDysphasia) ○ No ○ Yes ○ Unknown
(InjuryHx.ACEFocalNeuroDeficitOther) ☐ Other (InjuryHx.ACEFocalNeuroDeficitOtherTxt) Please specify other:
[   ]

(InjuryHx.SympSkullFract) Clinical signs of skull base fracture (e.g. raccoon eyes, battle sign, hemotympanun, CSF otorrhea, CRF rhinorrhea, bleeding from ear)
○ No
○ Yes
○ Unknown

Pain Intensity
(0=zero pain; 100=unbearable pain)

Please enter number (InjuryHx.PainScale) [   ] (InjuryHx.PainScaleUnk) ○ Untestable ○ Unknown