Subject

Age	Informed Consent
	Consent Source Patient Legal surrogate Parent Guardian Other family member Enrolled under approved waiver
Sex © Female © Male	Timing of consent ☐ Written Informed Consent BEFORE Enrollment ☐ Written Informed Consent AFTER Enrollment
	Timing of consent for pediatric patient written assent BEFORE enrollment written assent AFTER enrollment
Patient Category:(Choose one) © ED Only © Hospital admit with ICU © Hospital admit no ICU © Rehab patient	Consented by: MD RN Research Assistant Other Date and time written consent signed: (mm/dd/yyyy hh:mm)
	Consented for:(Choose all that apply)
	☐ Data ☐ 3mo. GOS-E
	☐ Plasma ☐ 6mo. GOS-E
	□ DNA
	□ MRI
	☐ Outcome Measures

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care	Site: UCSF	CHR#10-00011
STUDY ID: SF		

Early & Late Presentation

Date & Time of Injury

EARLY PRESENTATION	LATE PRESENTATION	
Method of Arrival C Ambulance C Helicopter	Date and Time of Presentation	
O Medical mobile team O Walk in or drop off O Other	Reason for Presentation O Self referral with complaints O Self referral on advice significant	If Professional referral, which: • GP • Hospital
Specify other method of arrival:	other Routine screening Repatriation	Other caretaker
Hypotension in field? O Yes O No O Unknown	O Professional referral	
Hypoxia in field? O Yes O No O Unknown Intubated in field? O Yes O No O Unknown Prehospital GCS Date & Time of Prehospital GCS Presentation O Primary-Directly to Study Hospital	Initial medical care directly after in Hospitalization: Yes No If no: Outpatient treatment: None Emergency Room Doctor's Office Sick Bay (military) Other health care provider Infirmary (if incarcerated)	jury
C Secondary-To First Hospital, then to Study Hospital Date & Time of arrival to First Hospital		
Date & Time of arrival to Study Hospital		

	Grant: Tr DY ID: SI	_	_	raumatic Brain	n Injury Res	earch and Cli	inical C	Care	Site: UC	CSF	CHR#10-0	0011
Eme	rgency	Depa	artm	ent								
	ed in ED ONo											
Arrival	l:											
SBP	DBP	HR	RR	Ventiation: ☐ Assisted ☐ Spontane	Temp, °C	SpO ₂						
Discha	rao.			□ Spontane	vus							
		TTD	כמ	TT- mail call con-	т ос	1 C. O.						
SBP	DBP	HR	RR	Ventiation: ☐ Assisted☐ Spontane	Temp, °⊂ ous	. spU2						
	N ARRI					TD 144					' T -A D3	1 61 •
	Assessme Admission			Assessment Con Sedated	ditions	Pupillary react Both pupil	-		Right Pup		Left Pupi	1 51ze] 4
	t-stabilizat			☐ Paralyzed		One non-r			=	4 5		5
	Time of G			☐ No sedation	or Paralysis	🔲 Both pupil		7	3	-] 6
				Other					Diaht Dunil	Voo	1.05	V
Specify	Other As	smt Con	dition						Right Pupil Reactivity	Yes No	Left Pupil Reactivity	Yes No
SCOR	E											
2-T 3-T 4-S Unt	To Respon	Command Isly osed to sy		☐ 3-Inappropri☐ 4-Disoriented δ ☐ 5-Oriented δ	nse ensible Sound: ate Words 1 & Converses 2 Converses		☐ 1-1 ☐ 2-1 ☐ 3-1 ☐ 4-1 ☐ 5-1	Flexion \ Localize:	onse n Abnormal Withdrawal	G.	CS Total	
				☐ Untestable-C	ther			ntestable ntestable	·Deep sedati -Other	on/paraly	sis	
DISC:	ON ED HARGE Time of (dition	Assessment Con Sedated Paralyzed No sedation Other		Pupillary reactivit Both pupils r One non-rea Both pupils n	eactive cting pup		Right Pupil	4 5	Left Pupil Size	
									ght Pupil eactivity	Yes No	•	Yes No
□ 2· □ 3· □ 4· □ U		il Comma ously Closed to		3-Inappr 4-Disorie 5-Orient	sponse orehensible So opriate Word ented & Conv ed & Convers le-Tracheosto	s erses		1-N 2-E ₂ 3-F1 4-F1 5-L ₄ 6-O Unte	tor Respons o Response stension exion Abnor exion Withd ocalizes to P beys Comm stable-Deep stable-Othe	mal rawal ain ands o sedation	GCS Total	

Labs						Toxic Drug	
White blood cel	1 Not	Results	X10 ⁵ /L	Other	Specify if Other	Screen	
	Done			Units		Type of sample	
						□ OSerum OUr.	inė
Hemoglobin			mmol/L			Results:	☐ Unknown/not done
Hematocrit			%			□ None □ Opioids	
Platelet			X10 ⁹ /L			Cannabis	☐ Benzodiazepines ☐ Amphetamines
Osmolality			Osm/L			Cocaine	☐ Barbiturates
INR						_ DCP	☐ Methadone
PT			Seconds			Other	L Mcuiadolic
aPTT			Seconds				evel mg/100ml blood
Sodium			mmol/L				
Potassium			mmol/L			Pregnancy Test	
Chloride			mmol/L			Type of sample	Result:
\mathbb{CO}_2			mmol/L			Serum OUn	ine OPositive ONegative
Glucose			mmol/L				
Creatinine			μmol/L				
BUN			mg/dL				
Lactate			mmol/L				
			First A	RC.			
IV fluids			гизга	ьо		Complicating 1	Events
			рН	pCC	o ₂ mm Hg	Complicating : Aspiration	Events
Crystalloids	olin o				02 mm Hg	Aspiration	Events o OUnknown
☐ Crystalloids	aline			pCC	eg HCO2 mmcl/L	Aspiration O Yes O N Cardiopulmon	o OUnknown ary arrest
☐ Crystalloids ☐ Hypertonic s ☐ Blood	aline		pH paO ₂	pCC mm:	Eg HCO2 mmcl/L	Aspiration OYes ON	o OUnknown ary arrest
Crystalloids Hypertonic s Blood Albumin			pН	pCC	Eg HCO2 mmcl/L	Aspiration O Yes O N Cardiopulmon	o OUnknown ary arrest o
☐ Crystalloids ☐ Hypertonic s ☐ Blood			pH paO ₂ Bd/Be	pCC mm :	Eg HCO2 mmcl/L	Aspiration OYes ON Cardiopulmon OYes ON	o OUnknown ary arrest o
Crystalloids Hypertonic s Blood Albumin			pH paO ₂	pCC mm: mmc	Eg HCO2 mmcl/L	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension	o OUnknown ary arrest o
Crystalloids Hypertonic s Elood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂	pCC mm : mmc	Eg HCO2 mmcl/L	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N	o OUnknown ary arrest o
Crystalloids Hypertonic s Blood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂ Condit	pCC mm : mmc FiO2	Eg HCO2 mmcl/L	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Blood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂ Condit Pre	pCC mm mmc FiO ₂ cons:	Eg HCOz mmcl/L l/L Unkown cn, Room Air cn O2	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N	o OUnknown ary arrest o o
Crystalloids Hypertonic s Blood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂ Conditt Pre Pre	pCC mm mmc FiO2 cons: cintubati	Eg HCOz mmcl/L l/L Unkown cn, Room Air cn O2	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Blood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂ Conditt Pre Pre	pCC mm mmc FiO ₂ cons:	Eg HCOz mmcl/L l/L Unkown cn, Room Air cn O2	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Blood Albumin Vasopressor			pH paO ₂ Bd/Be FiO ₂ Conditt Pre Pre	pCC mm mmc FiO2 cons: cintubati	Eg HCOz mmcl/L l/L Unkown cn, Room Air cn O2	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Blood Albumin Vasopressor	s		pH paO2 Bd/Be FiO2 Conditt Pre Pre Dro Un	pCC mm : mmc FiO2 cons: cintubati cintubati cintubati cintubati	Eg HCO2 mmcl/L l/L Unkown cn, Room Air cn O2 tion	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Dlood Albumin Vasopressor Mannitol None	s	_	pH paO2 Bd/Be FiO2 Condit Pre Pre Un ination Discharge	pCC mm mmo FiO2 cons: cintubati stintubat known	Eg HCO2 mmcl/L l/L Unkown cn, Room Air cn O2 tion	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Dlood Albumin Vasopressor Mannitol None	s		pH paO2 Bd/Be FiO2 Condit Pre Pre Discharge	pCC mm mmc FiO2 cons: cintubaticintubatistintubatistintubatistintubatiestintu	Eg HCO2 mmcl/L l/L Unkown cn, Room Air cn O2 tion	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Dlood Albumin Vasopressor Mannitol None	s		pH paO2 Bd/Be FiO2 Cendit Pre Pre Do un imation Discharge Transferre	mm FiO2 cons: cons: constitutubati stintubati stintubati stintubati et home	Eg HCO2 mmcl/L l/L l/Unkown cn, Room Air cn O2 tion er facility ionWard	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Dlood Albumin Vasopressor Mannitol None	s		pH paO2 Bd/Be FiO2 Cendit Pre Pre Dination Discharge Transferre Hospital a	pCC mm mmo FiO2 cons: cintubaticintubat	Eg HCO2 mmcl/L l/L Unkown cn, Room Air cn O2 tion	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o
Crystalloids Hypertonic s Dlood Albumin Vasopressor Mannitol None	s		pH paO2 Bd/Be FiO2 Condit Pre Pre Discharge Fransferre Hospital a Hospital a	mmo mmo FiO2 cons: cintubati stintubati stintubat known chome chome admissi admissi	Eg HCO2 mmcl/L l/L Unkown cn, Room Air cn O2 tion er facility ionWard ionStepdown Unit	Aspiration O Yes O N Cardiopulmon O Yes O N Seizures in ED O Yes O N Hypotension O Yes O N Hypoxia	o OUnknown ary arrest o o

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care

Site: UCSF

CHR#10-00011

Cause of Injury

Injury Type Intention	Falls (Accidental)		
Closed C Intentional	884 Fall from one level to another		
	885 Fall on same level from slip, trip, or stumble		
O Penetrating O Unintentional	☐ 886 Fall on same level from contact with person ☐ 888 Fall, general		
© Blast © Undetermined	1 000 Pail, general		
	Striking against or struck by person or object (Accidental)		
Motor vehicle traffic accidents	☐ 917.0 In sports (tackles)		
□ 810 Motor vehicle vs. train	☐ 917.1 Caused by crowd, collective fear or panic		
811 Motor vehicle vs. motor vehicle re-entering road	☐ 917.9 Other		
812 Motor vehicle vs. motor vehicle on the road			
813 Motor vehicle vs. non-motor vehicle	Cutting and piercing instruments (Accidental)		
814 Motor vehicle vs. pedestrian	☐ 920.0 Powered lawn mower ☐ 920.1 Other powered hand tools		
815 Motor vehicle vs. object on the road	920.2 Powered household appliances		
816 Motor vehicle loss of control on the road	920.3 Knives, swords, and daggers		
☐ 819 Motor vehicle traffic accident, general	☐ 920 Cutting and piercing, general ☐ 986 Undetermined if accidental or intentional		
O Driver of motor vehicle	500 Oldetellimited a decidental of intelligental		
☐ .1 Passenger in motor vehicle			
☐ .2 Driver of motorcycle			
☐ .3 Passenger on motorcycle	Other accidental causes of injury		
☐ .4 Occupant of streetcar	□ 807 Railway accident		
☐ .5 Rider of animal or cart	821 Motor vehicle off-road non-traffic accident		
☐ .6 Pedal cyclist	☐ 825 Motor vehicle accident—not traffic related		
□ .7 Pedestrian	☐ 829 Other vehicle accident		
☐ .9 Unspecified person	□ 876 Misadventure during medical care		
☐ .8 Other specified person	☐ 899 Accident caused by fire		
	☐ 900 Environmental excessive heat		
Other Person	□ 906 Injury caused by animal		
	□ 910 Accidental drowning and submersion		
Example: 812.0 First vehicle crashes into second vehicle	□ 913 Accidental mechanical suffocation		
and the driver of either vehicle is injured	☐ 916 Struck accidentally by falling object ☐ 918 Accidentally caught in or between objects		
and the driver of ether vehicle is injured	☐ 918 Accident caused by machinery		
	☐ 921 Accident caused by hot or caustic liquids or gases		
Firearms, air guns, and explosives	□ 925 Accident caused by electrical current		
☐ 922 Accident caused by firearm and air gun missile	☐ 928 Other environmental or accidental causes		
☐ 923 Accident caused by explosive material	☐ 929 Late effects of accidental injury		
985 Unknown if accidental or intentional			
	Place of Injury		
	○ Street/highway		
Suicide and Self-Inflicted Injury	↑ Home		
☐ 950 Poisoning by solid and liquid substances	O Work/school		
☐ 953 Hanging, strangulation, suffocation	© Recreational		
☐ 955 Firearms, air guns, and explosives	○ Military deployment		
☐ 956 Cutting and piercing instrument	Other Unknown		
☐ 958 Other and unspecified means	Clikilowii		
☐ 959 Late effects of self-inflicted injury			
	Safety		
Injury Purposely Inflicted by Other Persons	Helmet		
☐ 960.0 Unarmed fight or brawl	○ Yes ○ No ○ Not Applicable ○ Unknown		
□ 960.1 Rape	Airbag		
☐ 961 Assault by corrosive or caustic substance	○ Yes ○ No ○ Not Applicable ○ Unknown		
☐ 965 Assault by firearms and explosives	Tes of the Phot Applicable of Clikilowii		
☐ 9966 Assault by cutting and piercing instruments	Seatbelt		
☐ 967 Child and adult battering/other maltreatment	○ Yes ○ No ○ Not Applicable ○ Unknown		
☐ 968 Assault by other or unspecified means			

LOC PTA

Time of assessment

© ED Discharge

O ICU Discharge

O Hospital Discharge

LOC Loss Of Consciousness

O No

O Yes

O Unknown

LOC Duration

O None

C <1 minute

C 1-29 minutes

O 30-59 minutes

O 1-24 hours

C >24 hours

 \circ >7 days

O Unknown

LOC Lucid Interval

O No

O Yes

PTA (Post Traumatic Amnesia)

O No

O Yes

O Suspected

O Unknown

PTA Duration

O None

O < 1 minute

O 1-29 minutes

O 30-59 minutes

O 1-24 hours

 \bigcirc >24 hours

 \circ >7 days

O Unknown

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care	Site: UCSF	CHR#10-0001
$STUDYID \cdot SF$		

Socioeconomic Adult

Demographics		
Country Of Birth Country Of Birth (not in list) USA Mexico Canada		
Country Of Residence Country Of Residence (not in list) USA Mexico Canada		
Primary Language		
Primary Language (Not in list)	: :	
RACE Indian	:	
☐ Alaskan Native/ Inuit ☐ Alaskan Native ☐ Inuit	Unable to obtain information (Reason) Refused Unknown by patient or family Discharged/expired before asked Other Ethnicity Hispanic or Latino Non Hispanic or Latino Unknown	Other Reason Handedness Righthanded Both
African American African African Afro Carribean		

STUDY ID: SF	
Socioeconomics	
EDUCATION	TE SCHOOL COINC/STIDENT
Number of years of school completed: Highest diploma/degree: None, not currently in school None, but currently in diploma or degree-oriented program Vocational training (no high school diploma or GED) GED High school diploma Vocational training (post high school) Associate's degree Bachelors degree Masters degree Doctoral degree Unable to obtain information	School Status Full time student (diploma/degree oriented/2 courses or more) Part time student (diploma/degree oriented) Elementary school student (0-8th grade) Secondary school student (9-12th grade) Special education Vocational program Other None Unable to obtain information School Status Other
Unable to obtain information (Reason) Other Reason Refused Unknown by patient or family Discharged/expired before asked	Unable to obtain information (Reason) Other Reason Refused Unknown by patient or family Discharged/expired before asked
EMPLOYMENT	☐ Other MARITAL STATUS
Employment Working full time (35 hrs or more/week, at least minimum wage) Working 20-34 hrs/week, at least minimum wage Working less than 20 hrs/week, at least minimum wage Temporary/odd jobs/less than minimum wage jobs Special employment (sheltered workshop, supportive employment Unemployed Other Not in paid workforce (including child, retired, student, homemakt Unable to obtain information	☐ Other ☐ Unable to obtain information
Unable to obtain information (Reason) Other Reason Refused Unknown by patient or family Discharged/expired before asked Other	Unknown by patient or family Discharged/expired before asked Other LIVING SITUATION
	Primary person living with Specify other resident
Branch of service Airforce Army Mairine corps Navy	Unable to obtain information (Reason) Other Reason Refused Unknown by patient or family Discharged/expired before asked Other
Rank Junior enlisted (lower than NCO) NCO* (non-commissioned officers) Officer (and senior warrant officers)	Deployment Other Deployment None Afghanistan

* Equivalent to: 'petty officer', 'unterofficier', 'corporal', 'sergeant

Afghanistan

Africa Germany ☐ Iraq Other

GO Grant: Tran STUDY ID: SF_	sforming Traumatic Brain Injury Re — — — —	search and Clinical Care Sit	e: UCSF	CHR#10-00011
Socioeconom	ic Child			
Demographics				
Sex OFemale OMa	1e			
Country Of Birth C USA Mexico Canada	ountry Of Birth (not in list)			
Country Of Reside USA Mexico Canada	nce Country Of Residence (not in list)		:	
Primary Language		·		
Primary Language	(INOT IN list)	:		
RACE Indian				
	South/Central American Indian			
Alaskan Native/ Inuit	□ North American Indian	Unable to obtain information (Reason Refused	n) Other Reas	on
_	☐ Alaskan Native ☐ Inuit	□ Unknown by patient or family□ Discharged/expired before asked□ Other	i	
Asian Asian	☐ South Asian (Indian subcontinent) ☐ Far Eastern Asian	Ethnicity Hispanic or Latino	Handednes	
☐ Native Hawaiian/ Pacific Islander		□ Non Hispanic or Latino□ Unknown	□ Lefthan □ Both	
☐ White	☐ Hawaiian ☐ Pacific Islander			
774110	 □ North American □ South American □ European □ Middle Eastern □ White African 	■Black ■ African Ame	rican	
	Oceanian (Australian or New Zealander)	Afro Carribea	an	

31 UD1 1D. Sr	Socioeconomic Child pg 2
LIVING SITUATION	Mother's Education
Living with Parents Other family members Adoptive parents Foster care Other Unable to obtain information	Number of years of school completed: Highest diploma/degree: None, not currently in school None, but currently in diploma or degree-oriented program
Unable to obtain information (Reason) Other Reason Not Allowed Unknown by patient or family Discharged/expired before asked Other SCHOOL STATUS OF CHILD	□ Vocational training (no high school diploma or GED) □ GED □ High school diploma □ Vocational training (post high school) □ Associate's degree □ Bachelors degree □ Masters degree □ Doctoral degree
	☐ Unable to obtain information
School Status Full time student (diploma/degree oriented/2 courses or more) Part time student (diploma/degree oriented) Elementary school student (0-8th grade) Secondary school student (9-12th grade) Special education	Unable to obtain information (Reason) Other Reason Not Allowed Unknown by patient or family Discharged/expired before asked Other
□ Vocational program □ Other	Father's Education
□ None	
Unable to obtain information	Number of years of school completed:
School Status Other	
Unable to obtain information (Reason) Other Reason Refused Unknown by patient or family Discharged/expired before asked Other	Highest diploma/degree: None, not currently in school None, but currently in diploma or degree-oriented program Vocational training (no high school diploma or GED) GED High school diploma Vocational training (post high school) Associate's degree Bachelors degree Bachelors degree Unable to obtain information Unable to obtain information Unable to obtain information Unknown by patient or family Discharged/expired before asked

Site: UCSF

CHR#10-00011

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care

Medical History

Medical History Codes	
Medical History Codes: 010. Cardiovascular:	080. Neurologic:
011. Congenital heart disease	Spinal cord injury
012. Arrhythmia	□ Vertebral injury
013. Ischemic heart disease	vertebrar injury
014. Valvular heart disease	Cerebral vascular anomaly
	Tumor
015. Hypertension 016. Thromboembolic	081. Cerebrovascular Accident
	D82. Transient Ischemic Attacks
017. Peripheral vascular disease	□ 083. Seizures
020. Endocrine:	
021. Thyroid disorder	U63. Seizures-Febrile
O22. IDDM	083. Seizures-Posttraumatic
022. NIDDM	083. Seizures-Idiopathic
029. Other	083. Seizures-Alcohol
030. Eye, Ear, Nose & Throat:	□ 084. Epilepsy: partial
031. Simusitis	085: Epilepsy: focal
032. Vision abnormality	086. Epilepsy: other
033. Hearing deficit	
039. Other	Doz. Headache (non migraine)
040. Gastrointestinal:	OOO. Wilgraine neadaches
041. GERD	089. Previous TBI
042. GI bleed	Other
043. Inflammatory bowel disease	000 Overlania
044. Diarrhea secondary to	090. Oncologic: 091. Leukemia
049. Other	092. Lymphoma 093. Breast Cancer
050. Hematologic:	094. Prostate Cancer
OS1. Anemia	095. Lung Cancer
052. HIV positive	096. GI Cancer
OS3. AIDS	097. Kidney Cancer
OS4. Sickle cell disease	
OSS. Coagulopathy	098. Cancer (other)
OS9. Other	100. Pulmonary:
060. Hepatic:	101. COPD
061. Insufficiency	102. Asthma
062. Failure	
063. Hepatitis	103. Pneumonia
064. Cirrhosis	104. Tuberculosis
069. Other	109.Other
070. Musculoskeletal:	
071. Arthritis	
072. Spasticity	
073. Pressure ulcers	
079. Other	

110. Psychiatric:
111. Anxiety
112. Depression
113. Sleep disorder
114. Schizophrenia
115. Other psychiatric disorder
119. Other
120. Renal:
121. Insufficiency
122. Failure
123. Chronic UTI's
129. Other
130. Social history:
131. Tobacco use
132. Alcohol use
133. Drug use
139. Other
140. Developmental history:
141. Learning disabilities
142. Attention deficit /hyperactivity disorder
143. Developmentally Delayed
144. Other developmental disorder
149. Other

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STUDY ID: SF __ _ _ _

Medical History pg 2 Prior Medications

Medication Name	Total Daily Dose	Unit of Measure	Frequency*

*Frequency select from:
🗌 1 x per day
🔲 2x per day
🔲 3x per day
🗆 4x per day
🔲 бж рег d ay
Every other day
□ PRN
☐ Other

STUDY ID	: SF			Scree	ning for Previ	ous TBI	7
	er been hospitalized or njuries you remember						neck? Think about
	er injured your head o terrain vehicle? ¤Yes		accident or t	from some otl	ner moving vehicl	e accident	c, e.g., car, truck,
	er injured your head o or while walking. Fallir						
	er injured your head o	r neck in sport	ts, e.g., footb	all, soccer, sk	iing, blading, boa	rding, bas	sketball, baseball,
5. Have you ev □Yes □No	er injured your head o	r neck in a figl	ht, assault, fr	om being hit l	by someone or be	eing shake	n violently?
6. Have you evrelated incident	ver been nearby when s. □Yes □No	an explosion o	or a blast occ	urred? If you	served in the mili	tary, think	about any comba
If all above a	re "no" then stop. <u>If</u>	answered "	yes" to any	of the quest	ions above, ask	(:	
7. Were you kr	nocked out or unconsc	ious following	any of the in	juries you me	ntioned above?		
DO NOT INCLU □Yes □No	DE LOSING CONSCIOU	JSNESS DUE T	O DRUG OVE	ERDOSE OR F	ROM BEING CHO	KED (see :	#9, below).
If answer to	#7 is "Yes", ask:						
	ng were you knocked o ss, ask for each. If not						
Injury #	How long were you l	knocked out?	How old we	ere you?			
1.							
2. 3.							
4.							
5.							
If more than	n 5, how many more?	Longest peri	od of uncons	ciousness?	How many ≥ 30	0 mins.?	Youngest age?
8. Were you do OUT ALCOHOL 8A. Ho	#7 is "No", ask: azed, confused or do y BLACKOUTS] w long were you dazed e of the time frame, er	d or confused?	o (If identified	l multiple inju	ries with period o		-
Injury #	How long were you	dazed and co	nfused?	How old we	re you?		
2.							
3.							
4.							
5.							
If more tha	n 5, how many more?	Longest pe	eriod confuse	d? How ma	any ≥ 30 mins.?	Younges	st age?
9 . Have you ev	er lost consciousness f	rom a drug ov	erdose or be	ing choked?			
Number of tim	nes from a drug overdo	se		Number of ti	mes from being c	hoked	
					3 -		

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care

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STUDY ID: SF		

LIST ALL INJURIES KNOWN AT TIME OF ED DISCHARGE Injuries and Diagnoses ISS_____

Injury/Diagnosis	Body Region	AIS	ICD9

GO Grant: Transforming STUDY ID: SF		njury Research and	Clinical Care	Site: UCSF CHR#10-000
Hospital Admission	/Discharge			
Date & Time of Admission	Previous Unit*	Weight (kg)	Hoight (am)	Date & Time of Discharge
Date & Time of Admission	r revious Unit	weight (kg)	Height (cm)	Date & Time of Discharge
				*Previous Unit select from: ED OR CT-Angio Ward
				Direct Transfer from Other Hospital
Ward or Step-Down Adn	nission		,	
Date & Time of Admission	Previous Unit**	Weight (kg)	Height (cm)	Date & Time of Discharge
				**Previous Unit select from:
Hospital Discharge				□ ED □ OR
DNR Written Date Time	Support Withdrawn/C	Comfort Care		CT-Angio
	Date Time			☐ Ward ☐ Direct Transfer from Other Hospital
				□ ICA
Discharge Status				
Alive Dead	Deinainal Causa of Da	ath		
Death Date Time	Principal Cause of De Head injury/initial			
		idary intracranial dama	ge	
	Systemic trauma			
	Medical complica	tions Death Cause	Other	
	☐ Other			
Hospital Discharge Date Time	Discharge to:			
	Other hospital			
· · · · · · · · · · · · · · · · · · ·	Rehab unit			
	Nursing home			
	SNF	scharge to Other		
	Home Other			
	Other			

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Surgeries

If more than 1 surgical procedure was performed during one surgery, please list each procedure on their own line. The same start and end date/time will indicate that the procedures were performed during the same surgery.

Surgery Timing Key Emergent Elective/scheduled Emergent return to OR

Operation name	Date	Surgery Start Time	Surgery End Time	Surgery Timing	Hypotension Yes No	# times SBP < 90 mm Hg	Hypoxia Yes No	# times SpO2 < 95%

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STUDY ID: SF **Monitoring Devices**

	ng Device DR: □Yes □				
Date/Time inserted:	Date/Time removed:	Unit: □ ED □ OR □ ICU	Location: Right Left	Device used: □Ventriculostomy □Subdural □Intraparenchymal □Epidural □Other,:	Reason for stopping: Monitor/catheter failure Patient considered unsalvageable Patient died Clinically no longer required
Date/Time inserted:	Date/Time removed:	Unit: □ ED □ OR □ ICU	Location: Right Left	Device used: □Ventriculostomy □Subdural □Intraparenchymal □Epidural □Other, :	Reason for stopping: Monitor/catheter failure Patient considered unsalvageable Patient died Clinically no longer required
Date/Time inserted:	Date/Time removed:	Unit: □ ED □ OR □ ICU	Location: Right Left	Device used: □Ventriculostomy □Subdural □Intraparenchymal □Epidural □Other, :	Reason for stopping: Monitor/catheter failure Patient considered unsalvageable Patient died Clinically no longer required
Date/Time inserted:	Date/Time removed:	Unit: □ ED □ OR □ ICU	Location: Right Left	Device used: Uentriculostomy Subdural Intraparenchymal Epidural Other,:	Reason for stopping: Monitor/catheter failure Patient considered unsalvageable Patient died Clinically no longer required
Date/Time inserted:	Date/Time removed:	Unit: □ ED □ OR □ ICU	Location: Right Left	Device used: □Ventriculostomy □Subdural □Intraparenchymal □Epidural □Other,:	Reason for stopping: Monitor/catheter failure Patient considered unsalvageable Patient died Clinically no longer required
BRAIN TISS	UE OXYGEN I	PROBES (L	ICOX): □ Yes	s □ No	
Date/Time cat	theter inserted	:		_ Date/Time catheter rem	noved:
Unit: 🗆 ED	□ OR	□ ICU	Location: Ri	ight □ Left	
Reason for s	topping:				
□ Monitor/catl	heter failure	□ Patient c	onsidered unsa	lvageable	ed Clinically no longer required
JUGULAR VE	NOUS SATU	RATION -	Yes 🗆 No		
Date/Time cat	theter inserted	:		_ Date/Time catheter rem	noved:
Unit: □ ED	□ OR	□ ICU	Location: Ri	ight 🗆 Left	
Reason for s	topping:				
□ Monitor/catl	heter failure	□ Patient c	onsidered unsa	lvageable 🗆 Patient die	ed Clinically no longer required
CEREBRAL B	LOOD FLOW	PROBE	Yes □ No		
Date/Time cat	theter inserted	:		_ Date/Time catheter rem	noved:
Unit: □ ED	□ OR	□ ICU	Location: Ri	ight □ Left	
Reason for s	topping:				

□ Clinically no longer required

□ Patient died

□ Monitor/catheter failure □ Patient considered unsalvageable

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Complications

NEUROLOGICAL	<u>PULMONARY</u>	GI/ABDOMEN
☐ Rhinorrhea	☐ ARDS	Abdominal Compartment Syndrome
Otorrhea	☐ Fat Embolus	☐ Bowel Obstruction
☐ Meningitis	□ PE	☐ GI Bleed
☐ Seizure	Pleural Effusions	Hepatic Encephalopathy
☐ Ventriculitis	☐ Pneumonia	Hcpatic Failure
☐ Stroke	Presumed Pneumonia	Pancreatitis
☐ Neurogenic Shock	Respiratory Failure	Renal Failure
Other CSF Leak	□ VAP	☐ Other
Other	☐ Asthma	☐ Other
Other	☐ Other	WOUND
<u>CARDIOVASCIILAR</u>	☐ Other	☐ Abcess
☐ Cardiac Arrest	LAB ABNORMALITIES	🔲 Seroma / hematoma / bleeding
CHF	☐ Hypoglycemia	■ Wound Dehiscence
DVT	☐ Hyperglycemia	☐ Wound Infection
☐ Major Arrhythmia	☐ Hyponatremia	Pressure Ulcer
□м	☐ Hypernatremia	☐ Other
☐ Hypertension Requiring Treatment	☐ PT/PTT/INR Abnormality	☐ Other
☐ Hypotension Requiring Treatment	☐ Other	
Hemorrhagic Shock	Other	
Other	INFECTION OTHER THAN PN	EUMONIA / WOUND
Other	□ Bacteremia	
OTHER COMPLICATIONS	☐ Fever (Temp>38.5) of unknown	origin
□ MSOF	Presumed Infection	<u>HEMATOPOETIC</u>
☐ Transfusion Reaction	☐ Sepsis	☐ Coagulopathy
	☐ Septicemia	□ DIC
	□ UTI	Anomia Requiring Treatment
	☐ Septic Shock	Other
	Other	Other
	☐ Other	

Concomitant Medications

When picking a medication name, type the first letters of either the generic name or the trade name, and choose the appropriate medication from the drop down list. The generic name will be displayed.

Date Administered	Generic/Trade Name	Total Daily Dose	Dose Unit	Route

Г		
		Routes
	iv	intravenous
	ih	inhaled
	im	intramuscular
	pr	rectal
	pv	vaginal
	po	oral
	sc	subcutaneous
	to	topical

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Daily Labs Date _____ Time ____

BLOOD CHEMISTRY	Not done	Results	Units	Other units	Specify if Other
Glucose			mmol/L		
Urea			mmol/L		
Creatinine			µmol/L		
Amylase			U/L		
ASAT/SGOT			U/L		
ALAT/SGPT			U/L		
LDH			U/L		
Alkaline Phosphatase			U/L		
Total Bilirubin			µmol/L		
Sodium mmol/L			mmol/L		
Potassium			mmol/L		
Magnesium			mmol/L		
Calcium			mmol/L		
Other					
HAEMATOLOGY					
Hemoglobin			mmol/L		
Hematocrit			%		
White blood cell			X10 ⁵ /L		
White blood cell differential count:					
Neutrophils			%		
Lymphocytes			%		
Eosinophils			%		
Others			%		
Platelet			X10 ⁹ /L		
PROTHROMBIN TIME (PT)			sec.		
INR					
PARTIAL THROMBOPLASTIN TIME, ACTIVATED (APTT)			sec.		
Fibrinogen			Mg/L		
D-dimers			μg/ml		
FDP			μg/ml		
PaO2			mm Hg		
PaCO2			mm Hg		
pH					
BE/BD			mmol/L		
HCO3			mmol/L		

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Labs pg 2

Date & Time of Culture	Source	Other Source	Growth	Organism

Growth Yes No Source Key

Blood Bronchial lavage Catheter tip

CSF

Gastric aspirate

Nasal Sputum Stool Throat

STUD	Y ID: SF	'						Eyes			Motor			Verba				
Vital Sig	ns							4-Spontan	al Command eously c-Closed to swel	ling	5-Localize 6-Obeys C	n Abnormal Withdrawal s to Pain ommands -Deep sedation	n/paralysis	2-Inc 3-Ina 4-Dis 5-Ori Unter	Response omprehensible ppropriate W coriented & Constable-Trache stable-Other	ords onverses verses	т	
Date &														GCS				
Time	SBP	DBP	HR	ICP	RR	Temp	PbrO2	CBF	SpO2	SjVo2	Eye	Motor	Verbal	Total	R Pi	upil	L pu	ıpil
															React	Size	React	Si
																		1

STUD	Y ID: SF	·	- 					4-Spontane Untestable	al Command eously -Closed to swel	ling	Motor 1-No Resp 2-Extensio 3-Flexion 4-Flexion 5-Localize	n Abnormal Withdrawal s to Pain		2-Inc 3-Ina 4-Dis 5-Ori	Response omprehensibl ppropriate W soriented & C ented & Con	ords onverses /erses		
Vital Sig	ns							Untestable	-Other		6-Obeys C Untestable Untestable	-Deep sedation	n/paralysis		stable-Trache stable-Other	ostomy/ET	Γ	
Date & Time	SBP	DBP	HR	ICP	RR	Temp	PbrO2	CBF	SpO2	SjVo2	Eye	Motor	Verbal	GCS Total	R Pı	ıpil	L pu	pil
															React	Size	React	Siz

STUD	Y ID: SF	,	-					Eyes 1-No Resp	onse		Motor 1-No Resp				Response			
Vital Sig	ns							4-Spontane	-Closed to swel	ling	2-Extension 3-Flexion 4-Flexion 5-Localize 6-Obeys C Untestable Untestable	Abnormal Withdrawal s to Pain ommands Deep sedation	n/paralysis	3-Ina 4-Dis 5-Ori Unter	omprehensibl ppropriate W soriented & C ented & Con- stable-Trache stable-Other	ords onverses verses	Γ	
Date & Time			ICP	RR	Temp	PbrO2	CBF SpO2 SjVo2		Eye	Motor	Verbal	GCS Total	R Pı	liqu	L pu	pil		
															React	Size	React	Siz
-																		

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Injuries and Diagnoses ISS_____

Injury/Diagnosis	Body Region	AIS	ICD9
	l .	1	

GO Grant: Transforming Traumatic Brain Injury Re STUDY ID: SF	esearch and Clinical Car	e Site: UCSF	CHR#10-00011
Therapy Intensity Level			
Position ☐ Head elevation for ICP control ☐ Nursed flat (180°) for CPP management			Date
Sedation/metabolic suppression and neuromuscula Sedation (low dose as required for mechanical Higher dose sedation for ICP control (not aimin Metabolic suppression for ICP control with high	l ventilation) ng for burst suppression)		Time
CSF <u>Drainage</u> CSF Drainage CSF D	our)		
Fluid loading and vasopressor therapy Fluid loading for maintenance of cerebral perful Vasopressor therapy required for management			
Hyperventilation ☐ Moderate hypocapnia for ICP control [PaCO2 ☐ Intensive hypocapnia for ICP control [PaCO2	`		
Hyperosmolar Therapy Hyperosmolar therapy with mannitol up to 100 Hyperosmolar therapy with hypertonic saline u Hyperosmolar therapy with mannitol >100 g/da Hyperosmolar therapy with hypertonic saline > Treatment of fever and hypothermia Treatment of fever (temp >38C) or spontaneou Mild hypothermia for ICP control with a lower li Hypothermia below 35C Surgery for refractory ICP (decompression/ lobed Intracranial operation for progressive mass less Decompressive craniectomy	up to 40 g/day ay -40 g/day us temp below 34.5C mit of 35C	dmission	
FLUIDS			
Fluid in	ml		
Blood and derivates	ml		
Fluid out	ml		
TOTAL DOSE VASOPRESSORS			
Noradrenaline	mg		
Phenylephrine	mg		
Dopamine	mg		
Other			
TOTAL DOSE HYPEROSMOLAR AGENTS			
Mannitol	g		

g

Hypertonic Saline

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te and Time of Assessment		
3 Month Glasgow Outcome Scale—E	xtended (GOS-E)	
CONSCIOUSNESS		
1. Is the head injured person able to obey simple commands, or	say any words? ₁∐ No (VS)	₂□ Yes
Anyone who shows ability to obey even simple commands, or utter in any other way is no longer considered to be in the vegetative sta evidence of meaningful responsiveness. Corroborate with nursing assessment as in the Royal College of Physician Guidelines.	ate. Ēye movements ar	re not reliable
INDEPENDENCE IN THE HOME		
2a. Is the assistance of another person at home essential every da	ay for some activities of ₁☐ No	daily living? ₂∐ Yes
For a 'No' answer they should be able to look after themselves at have they need not actually look after themselves. Independence include the following activities: getting washed, putting on clean clothes with themselves, dealing with callers, and handling minor domestic crise out activities without needing prompting or reminding, and should be overnight.	les the ability to plan for thout prompting, prepar es. The person should	r and carry out ring food for be able to carry
2b. Do they need frequent help or someone to be around at home	most of the time? ₁☐ No (Upper SD)	₂□ Yes
(Lower SD) For a 'No' answer they should be able to look after themselves at he necessary, though they need not actually look after themselves.	ome for up to 8 hours o	during the day if
2c. Was assistance at home essential before the injury?	₁□ No	₂□ Yes
NDEPENDENCE OUTSIDE THE HOME		
3a. Are they able to shop without assistance?	₁☐ No (Upper SD)	₂∐ Yes
This includes being able to plan what to buy, take care of money th bublic. They need not normally shop, but must be able to do so.	emselves, and behave	appropriately in
3b. Were they able to shop without assistance before the injury?	₁□ No	₂□ Yes
4a. Are they able to travel locally without assistance?	₁☐ No (Upper SD)	₂□ Yes
They may drive or use public transport to get around. Ability to use person can phone for it themselves and instruct the driver.	a taxi is sufficient, prov	vided the

₂□ Yes

₁☐ No

4b. Were they able to travel without assistance before the injury?

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WORK			
5a. Are they currently able to work to	o their previous capacity?	₁□ No	₂□ Yes
If they were working before, then the seeking work before, then the injury the level of work for which they are e for study should not have been adve	should not have adversely at eligible. If the patient was a s	fected their chance	s of obtaining work or
2□ A	educed work capacity (Upper ble to work only in a sheltered urrently unable to work (Lowe	d workshop or non-	competitive job, or
5c. Were they either working or seel neither (answer 'no')?	king employment before the i	njury (answer 'yes') ₁∐ No	or were they doing ₂☐ Yes
			· ·
SOCIAL & LEISURE ACTIVITIES			
6a. Are they able to resume regular	social and leisure activities or	utside home? ₁∐ No	₂□ Yes
They need not have resumed all thei or mental impairment. If they have st motivation then this is also considere	opped the majority of activitie		
6b. What is the extent of restriction of the striction o	east half as often as before ir ss than half as often (Upper i	njury (Lower GR) MD)	
6c. Did they engage in regular social	and leisure activities outside	home before the ir ₁☐ No	njury? ₂□ Yes
FAMILY & FRIENDSHIPS		•	
7a. Have there been psychological p disruption to friendships?	roblems which have resulted	in ongoing family o	lisruption or ₂∐ Yes
Typical post-traumatic personality chase swings, depression, and unreasonab		ty, anxiety, insensit	ivity to others, mood
7b. What has been the extent of disrongles of the street	eekly (Lower GR) or more, but tolerable (Upper	MD)	
7c. Were there problems with family	or friends before the injury?	₁□ No	₂□ Yes
f there were some problems before in answer 'No' to Q7c.	, .	markedly worse s	ince injury then

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RETURN TO NORMAL LIFE			
	na to the injume which	h offoot daily life	2
8a. Are there any other current problems relati	ng to the injury whic	n affect dally life ₁∐ No (Uppe	
(Lower GR)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, <u></u>
Other typical problems reported after head injudight, slowness, memory failures, and concentra		iness, tiredness,	sensitivity to noise or
8b. Were similar problems present before the i	njury?	₁□ No	₂□ Yes
If there were some problems before injury, but a answer 'No' to Q8b.	-	markedly worse	since injury then
Epilepsy:			
Since the injury has the head injured person ha	d any epileptic fits?	☐ No	☐ Yes
Have they been told that they are currently at ri	sk of developing epi	ilepsy? No	☐ Yes
What is the most important factor in outcome?	☐ Effects of head ☐ Effects of illnes ☐ A mixture of the	s or injury to and	other part of the body
The patient's overall rating is based on the lowe Guidelines for further information concerning ad			e scale. Refer to
1 Dead			GOS-E SCORE:
 Vegetative State (VS) Lower Severe Disability (Lower SD) Upper Severe Disability (Upper SD) Lower Moderate Disability (Lower MD) Upper Moderate Disability (Upper MD) Lower Good Recovery (Lower GR) Upper Good Recovery (Upper GR) 	•		

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Neurological Assessment: symptoms and signs

	Yes	No
Physical		
Headache		
Nausea		
Vomiting		
Balance problems		
Dizziness		
Visual problems		
Fatigue		
Sensitivity to light		
Sensitivity to noise		
Numbness/tingling		
0.1		
Sleep Drowsiness		_
Sleeping less than usual		+
Sleeping more than usual		
Trouble falling asleep		-
Trouble failing doleep		+
Cognitive		+
Feeling mentally foggy		
Feeling slowed down		
Difficulty concentrating		
Difficulty remembering		
F 0 1		<u> </u>
Emotional		_
Irritability		
Sadness		_
More emotional Nervousness		_
Nervousriess		+
Do these symptoms worsen with:		+
Physical activity		1
Cognitive activity		-
Overall rating:		
How different is the person acting compared to his		
Normal $\Box 1$ $\Box 2$ $\Box 3$ $\Box 4$ $\Box 5$ $\Box 6$ Very difference	rent	

GO Grant: Transforming Traumatic Brain Injury Research and Clinical Care Site: UCSF CHR#10-0001 STUDY ID: SF	1
Month Post Discharge & Outpatient Care Date/Time of assessment//:	
atient Outcome Alive	
On date of assessment: □ On date of death: esidence	
Home	
Return to work/school No Sheltered Partial Full N/A Unknown Family Strain/disruption Separated Divorced N/A	
the patient currently involved with any legal issues resulting from the injuries incurred from the original cident? No Don't Know	
ehabilitation None □ Only as outpatient General rehab (inpt) □ TBI rehabilitation unit (inpt) □ General long-term care unit (inpt) □ Geriatric rehab unit (inpt)	pt)
HORT TERM REHAB INTERRUPTIONS terruption 1: Start Date/_/_ End Date/_/_ eason: Readmit to hospital Readmit to ICU Required surgical procedure Return to Work Other terruption 2: Start Date/_/_ End Date/_/_ eason: Readmit to hospital Readmit to ICU Required surgical procedure Return to Work Other terruption 3: Start Date/_/_ End Date/_/_ eason: Readmit to hospital Readmit to ICU Required surgical procedure Return to Work Other terruption 3: Start Date/_/_ End Date/_/_ eason: Readmit to hospital Readmit to ICU Required surgical procedure Return to Work Other	
UTPATIENT THERAPY treated as an outpatient: Start Date// End Date// ctive Rehab Ongoing: □Yes □No	
requency of outpatient therapy: □ Only follow-up; no active treatment □ Less than once per week weekly □ 2-3 times per week □ daily	
ype of Outpatient Therapy	
Physical therapy Occupational therapy Speech therapy Therapeutic recreation Cognitive remediation Vocational services Psychological services Nursing services Comprehensive day treatment Peer mento	ring
Social work/Case management ☐ Independent living training ☐ Home health ☐ Other hospital unit ☐ Other	