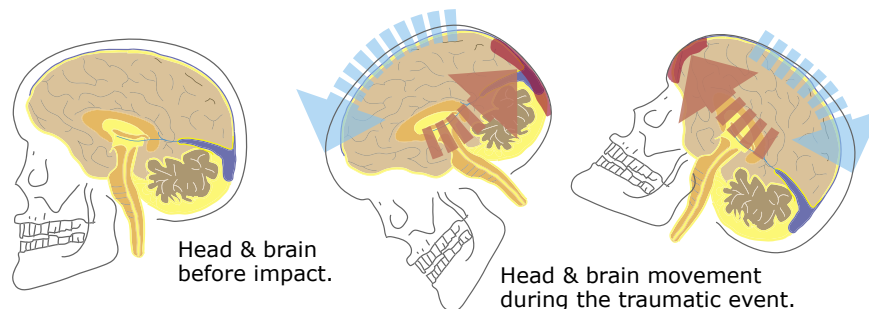


Traumatic Brain Injuries

The MOI is a direct blow to the patient's head or a direct blow to another part of their body where the force is transmitted to their brain via their spinal column, cord, and associated soft tissue (aka: whiplash).



No Brain Injury

- Awake with no LOC or amnesia
- No S/Sx of a concussion 2 hours after the traumatic event

Mild Concussion

- Awake with no LOC or amnesia
- S/Sx of a concussion develop within 2 hours of the traumatic event and typically (90%) resolve within 7-10 days

Moderate Concussion

- Awake after a *temporary* LOC and/or amnesia
- S/Sx of a concussion

Severe Concussion

- Awake after a *temporary* LOC and/or amnesia
- S/Sx of a concussion worsen

Early Increased ICP

- Awake after a *temporary* LOC and/or amnesia
- S/Sx of a concussion + persistent vomiting

Late Increased ICP

- Decreasing level of consciousness (VPU)
- Death

S/Sx of a Concussion

Physical	Cognitive	Emotional	Sleep
Headache	Feeling mentally "foggy"	Irritable	Drowsy
Nausea	Feeling slow	Sad	Trouble falling asleep
Balance problems	Difficulty concentrating	Overly sensitive	Sleeping more than usual
Dizziness	Difficulty remembering	Nervous	Sleeping less than usual
Visual problems	Forgetful		
Fatigue	Confused		
Light sensitivity	Answers questions slowly		
Noise sensitivity	Repeats questions		
Numbness/tingling			
Dazed/stunned			

Progression of Traumatic Brain Injuries

Problem	Anticipated Px	Treatment	Evac
No Brain Injury	None	None	None
Mild Concussion	None	Physical & mental rest until S/Sx resolve. Minimize exercise during evac.	Level 3
Moderate Concussion	Severe Concussion	Physical & mental rest until S/Sx resolve. Minimize exercise during evac. Monitor for worsening S/Sx.	Level 3
Severe Concussion	Early Increased ICP	Protect airway. Monitor for persistent vomiting.	Level 2
Early Increased ICP	Late Increased ICP	Protect airway & spinal cord prn. Monitor for decreasing level of consciousness (VPU).	Level 1
Late Increased ICP	Death	Protect airway & spinal cord prn. Monitor for seizures, respiratory & cardiac arrest.	Level 1

A patient may present with any of the above problems, and progress—or not—from that point; a patient may only have one problem at a time.