

Primary Injury	Secondary Injury
Occurs at the moment of initial trauma and may include:	Consequences of the immune reaction to the initial trauma and may include:
<ul style="list-style-type: none"> ● Direct force to the head 	<ul style="list-style-type: none"> ● Edema and compression of the brain
<ul style="list-style-type: none"> ● Impact of the brain against the skull 	<ul style="list-style-type: none"> ● Ischemia and hypoxia causing cell death
<ul style="list-style-type: none"> ● Shearing or physical tearing of the neurons or blood vessels 	<ul style="list-style-type: none"> ● Increase in intracranial pressure
<ul style="list-style-type: none"> ● Damage to the blood brain barrier 	<ul style="list-style-type: none"> ● Release of excitotoxic neurotransmitters
<ul style="list-style-type: none"> ● Bruising or intracranial bleeding 	<ul style="list-style-type: none"> ● Formation of oxidative free radicals