

Pathology of cerebral concussion.

-- The pathophysiology of concussion

Classification of Cerebral Concussion

- Severe Concussion
 - Signs and symptoms last considerably longer than those of mild and moderate concussions
 - Will likely include more significant LOC
 - Post-traumatic amnesia lasting >24 hours; retrograde amnesia (memory loss of events prior to injury)
 - Decreased neuromuscular coordination
 - Serial observations should be conducted
- Management
 - Serial observations
 - Rest
 - Evaluation by physician in the event of prolonged LOC
 - Should consider neuroimaging of the brain
 - Athletes should not be returned to participation while still experiencing symptoms

Description: -

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Cerebral Concussion

A growing body of scientific knowledge supports the notion that concussion should be considered a serious medical condition that can have a long-lasting and even catastrophic outcome if misunderstood and mismanaged. Both cerebral ischaemia and hyperaemia refer to a mismatch between CBF and cerebral metabolism.

The Pathophysiology of Concussion

We recently reported that neurocognitive deficits can be detected immediately after even mild concussions in football players with the Standardized Assessment of Concussion SAC.

Concussion

Medical Clinics of North America. Check carefully for scalp lacerations. A postconcussive syndrome that may occur weeks and even months after injury may lead to headache, fatigue, inattention, dizziness, vertigo, and memory deficits.

The pathophysiology of concussion

Knowledge, attitude, and concussion-reporting behaviors among high school athletes: A preliminary study. Specific pathophysiology of traumatic brain injury Cerebral blood flow Hypoperfusion and hyperperfusion Studies in laboratory animals and humans have investigated the effects of TBI on CBF. Educating coaches, athletes, parents and others about concussions can help spread awareness.

Concussion

Determine if the patient became unconscious immediately and for how long—a few seconds, minutes, or an hour—at the time of the trauma. In this case, if your child wants to nap, it's OK to let him or her sleep. Minor head trauma in infants and children: Evaluation.

Concussion

In treatment terms, this type of injury is exclusively sensitive to preventive but not therapeutic measures.

Cerebral Concussion

Teach the patient to recognize the symptoms of postconcussion syndrome, which may last for several weeks and include headache, dizziness, vertigo, anxiety, and fatigue. Since the anaerobic metabolism is inadequate to maintain cellular energy states, the ATP-stores deplete and failure of energy-dependent membrane ion pumps occurs.

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