



17/2/2020.

-:- Head Injury. :-:-

Any trauma to the head specially brain is called head injury.

Head injury are open or close type.

In open head injury cranium is fractured or the membrane that surrounds brain (dura mater) are break.



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Head injury.pdf



→ Penetrating trauma.

→ Blunt head trauma.

→ Road traffic accidents.

→ Falls.

→ Sports injury.

→ Violence and abuse.

Head injury.pdf



mild head injury :-

GCS 13-15 with LOC
for 15 min.

Moderate head injury :-

GCS 9-10 with LOC
for up to 6 hrs.

Severe head injury :-

GCS 3-8 with LOC
for more 6 hrs.

impairment

Types of Brain injury :-

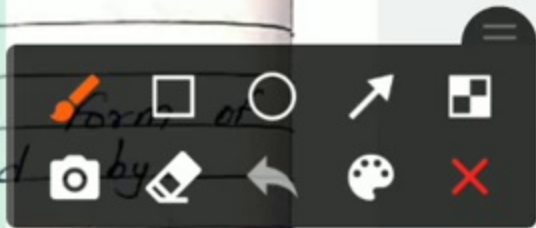
(a) Concussion :- It is mild form of brain injury.

It is caused by friction between brain and skull, due to violent shaking of the head.

The loss of consciousness occurs for few minutes.

(b) Contusion :-

It is the severe form of the brain injury and caused by any blunt injury.



Bleeding within
Skull due to rupture of a blood vessel
Caused intracranial Hematoma.

Hematoma is collection of blood
inside the skull, it is of 3 types

↓
↑ Intra cranial volume

↓
↑ ICP pressure

↓
Pressure on blood vessels within
brain causes less blood flow

↓
Cerebral hypoxia and Ischemia

↓
Cerebral blood flow ceases

↓
LOC or death may occur

Head injury.pdf



→ X-ray of skull.

→ Neurological assessment (GCS).

→ Angiography.

* Management :-

medical mgmt :-

→ Antibiotic therapy.





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