Head injuries

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Head injury

Skull fractures

Brain lesion or damage

Scalp wounds

Injury to the spine in the neck

Signs

History of a severe blow
Increasing drowsiness
Headache, unequal pupil size
Confusion, dizziness
Loss of balance, loss of memory
Difficult speaking, difficult walking
Vomiting, double vision
Seizures
Bleeding, leakage of blood of watery fluid from the ear or nose
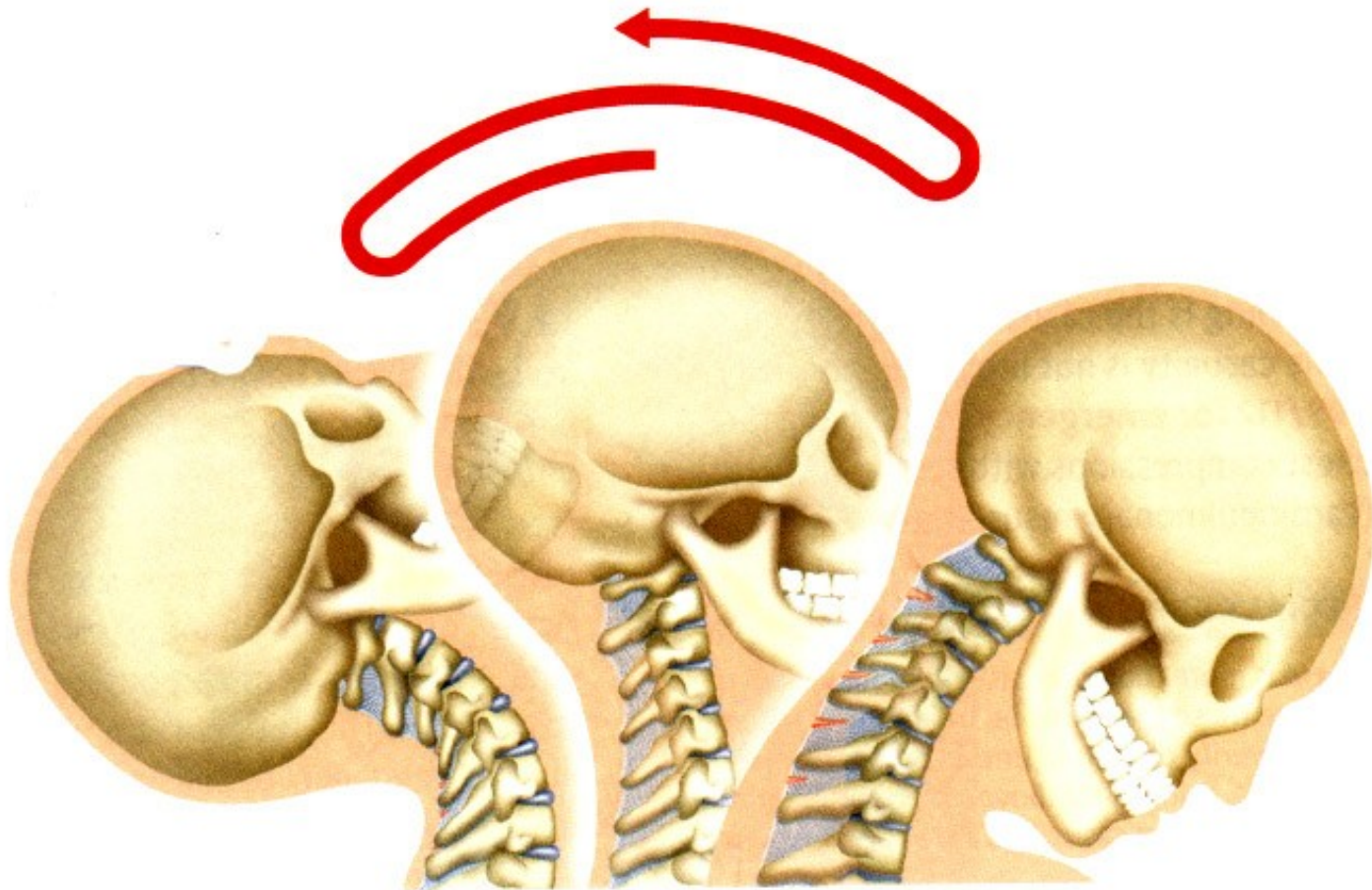Loss of consciousness

Assesment of level of consciousness

A   Alert,   respond to questions
      eyes are open

V Voice, respond to voice, obey commands

P   Pain,   respond to pain

U   Unresponsive to any stimulus

Whiplash injury

Recovery position

Log- roll technigue

First aid:

Free airways
Cold compresses at the site
of injury
Monitor vital signs
CPR
Stabilisation of cervical spine
(Philadelphia collar)

Sterile dressing of the ear
or nose

Philadelphia collar

Brain lesion

Concussion (commotio cerebri)
Contusion of the brain (contusio cerebri)
Epidural haematoma
Subdural haematoma
Subarachnoideal bleeding
Intracerebral bleeding
Intraventricular bleeding

Concussion (commotio cerebri)

Temporary loss of consciousness
Nausea, vomiting, retrograde amnesia
Rapid pulse, flat breathing, pale

Functional lesion of neurons

Management of concussion

Admission to the hospital
Sedatives
Prevention of epilepsy (Sanepil)

Postconcussion syndrom:

Headache, vertigo, fatique, desorientation
sleep problem

Contusion of the brain (contusio cerebri)

Structural damage of the brain

Unconsciousness two hours or more

Impaired motor function

Impairment of sensation

Epidural haematoma

Between the skull and hard tissue

Artery or vein

Symptoms:

Short period of unconsciousness after head injury

Free interval (minutes or hours)- minimal problems

Headache, nausea, vomiting

Coma, seizures

Unequal pupils- mydriasis on the site of bleeding

First aid

Rescue position
Free airways

Management

Neurosurgery, craniotomy, stop bleeding
Removal of haematoma

Subdural haematoma

Symptoms:

Unconsciousness immediately

No free interval

Seizures, motor collision