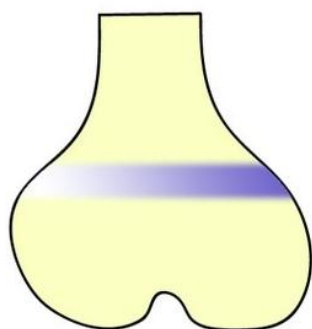


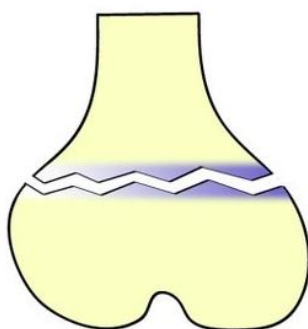
PAEDIATRICS & MINOR INJURIES

SALTER HARRIS FRACTURE CLASSIFICATION

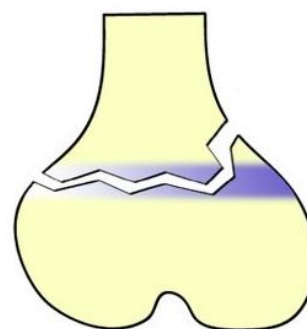
Salter-Harris fracture types



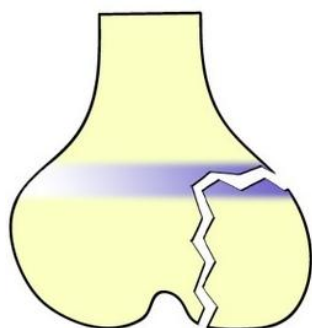
Normal



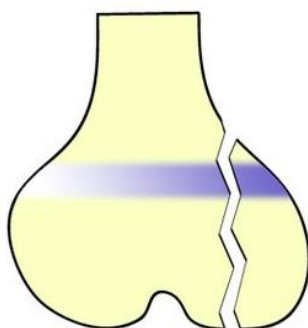
Type 1 - 5%



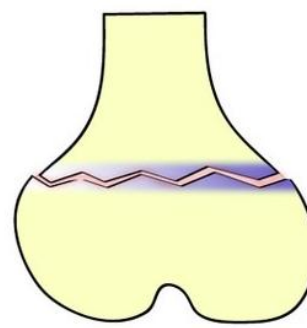
Type 2 - 75%



Type 3 - 10%



Type 4 - 10%



Type 5 - uncommon

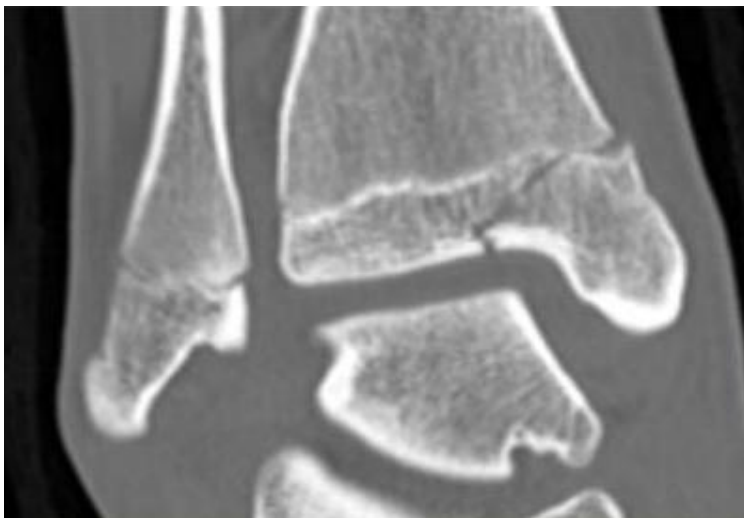
Describes paediatric fractures involving the epiphyseal growth plate. The mnemonic **SALTER** can be used to remember the different types.

Type	Mnemonic	Description
1	Slip	Transverse fracture through the growth plate
2	Above	Fracture through the growth plate and metaphysis, sparing epiphysis
3	Lower	Fracture through growth plate and epiphysis, sparing metaphysis
4	Through Everything	Fracture through all three elements – metaphysis, growth plate and epiphysis
5	Rammed	Compression fracture of growth plate

May result in premature fusion of the growth plate and arrest of growth.

Limb shortening and deformity may cause significant morbidity. **Prognosis gets worse from type 1 through type 5.**

Complications can be minimised by reduction and internal fixation.



Top left: type 1 Salter Harris fracture of distal tibia.

Top right: type 2 Salter-Harris fracture of distal tibia (and distal fibular fracture).

Bottom left: type 3 Salter Harris fracture of distal tibia.

Bottom right: type 4 Salter Harris fracture of distal tibia.