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MECHANISM OF INJURY

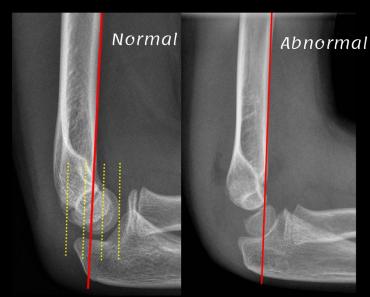
Most common paediatric elbow fracture. Usual occur with fall on out stretched hand with hyper extension of the elbow. Peak incidence 5-8 years. 25% are minimally diplaced or undisplaced making them tricky to spot.

RADIOGRAPHIC FEATURES

1. Anterior fat pad sign (sail sign): the anterior fat pad is elevated by a joint effusion and appears as a lucent triangle on the lateral







3. Anterior humeral line should intersect the middle third of the capitellum in most children. Although, in children under 4, the anterior humeral line may pass through the anterior third without injury

MANAGEMENT

Type 1: undisplaced

Most often conservative





Type 2: displaced with intact posterior cortex

Open reduction and internal fixation or conservative management





Type 3: complete displacement

Open reduction and internal fixation



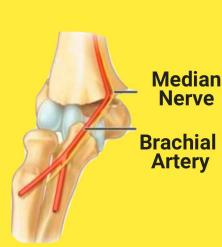
GARTLAND CLASSIFICAT

-CAUTION-

This fracture may cause neurovascular damage if there is major disruption.

Check neurovascular status Think compartment syndrome





References

- Radiopaedia. www.radiopaedia.org @radiopaedia
 Accident and Emergency Radiology: A survival guide. 3e. by Nigel Raby.
 Royal Children's Hospital Melbourne www.rch.org.uk

#EM3