

## The outcome of screw fixation in medial condyle humerus fracture

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### Introduction

Medial humeral condyle fractures in children are a rare case, accounting for only 1–2% of all paediatric elbow fractures. This usually occurs at age of 8-12 years old. Kilfoyle made the classification for these fractures according to the degree of displacement into three types. Here is the rare case report of acute presentation of closed medial condyle left humerus fracture Kilfoyle type 3, treated with open reduction and screw fixation to achieve the best outcome and avoid complications.

### Report

A 13 years old boy presented with pain over the left elbow following a fall from a road traffic accident. On examination, noted left elbow with deformity and tenderness upon palpation. Neurovascular unremarkable. A plain radiograph (figure 1-2) was done to see the fracture configuration. Diagnosis of closed left humerus medial condyle fracture was established. Proceed with the screw fixation. Passive range of movement on the left elbow is allowed at postoperative 2 weeks. 2 months later, active range of movement left elbow is 10-110 degrees. Subsequent radiographs showed a united fracture left humerus medial condyle (figure 4-5)



Figure 1

Figure 2



Figure 4

Figure 5

### Conclusion

In summary, medial condyle humerus fractures are considered one of the rarest injuries in paediatric elbow fractures. The diagnosis is commonly missed resulting in poor outcomes with late presentation or delay in management as described by many authors.

### References

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