

## A Case of Monteggia Equivalent

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### INTRODUCTION

Monteggia fracture is a fracture-dislocation which consist of a fracture of the ulna and proximal radial dislocation. Apart from established 4 types of Bado's classification, a group of lesions with similar characteristics is termed as Monteggia equivalents.

### REPORT

A 14-year-old boy fell with his left elbow in flexed position. Post fall, he had pain and immediate swelling at the left elbow with limited range of motion of the left elbow. Examination revealed swelling of left elbow with bony tenderness at the proximal shaft of the left ulna. X-ray shows fracture of the proximal third left ulna and neck of left radius with involvement of the physis. The radius displaced laterally due to angulation of the ulna fracture.

Under general anaesthesia, open reduction and plating was performed with a small dynamic compression plate (DCP) of the left ulna and a mini-locking plate of the left radial neck. The proximal ulna was approached posteriorly, while a lateral approach was chosen for the radial neck fracture. The radial neck fracture was found to be broken through the physis with the radial head still in position and surrounded by an intact annular ligament. The radiograph post-operatively showed good reduction with intact elbow joint.

### CONCLUSION

The radial neck breaks before the annular ligament ruptures because the ligament exceeds the bone strength in the immature skeletal system which was found in this case. We conclude that this case is a Bado type 1 equivalent which achieved good reduction by surgical intervention as the unstable nature of the fracture.



Figure 1: Post trauma radiograph left elbow



Figure 2: Post plating radiograph left elbow

### REFERENCES

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