

FLOATING ACROMION, SHOULD WE FIX BOTH?

Amalina A, Wong TS, Taufik ML
Orthopaedic Department, Hospital Sri Aman, Sarawak, Malaysia

INTRODUCTION

Acromion fracture are commonly associated with complication of reverse shoulder arthroplasty surgery. However, traumatic acromion fracture can result from direct trauma in low percentage. Fractured acromion with concomitant clavicle fracture are referred as 'Floating Acromion'.

REPORT

A 48 years old gentleman presented to our emergency department following a self road traffic accident with complaint of left shoulder pain. Physical examination noted abrasion wound over acromion region of left shoulder with deformity over left clavicle and shoulder. There is limited movement over left shoulder, however distal neurovascular assessment were unremarkable. Left shoulder radiography shows comminuted fracture mid-shaft of clavicle with acromion fracture. Patient was admitted for left clavicle plating and screw fixation of left acromion.

However only able to proceed with left clavicle plating procedure as the abrasion wound is over the surgical site. Patient were then discharged and both wounds were well healed.

During clinic visit at 6 months post operation, we reassess the shoulder function using the Oxford shoulder score. It showed a significant improvement of the score from 39 (Pre-operation) to 14 (Post-Operation) which higher score implies greater degrees of disability. Active left shoulder range of motion were full. Patient were able to get back to his work and minimally disturbed by the discomfort pain over his left shoulder. Further procedure was suggested to patient in view of reduced acromiohumeral interval. However, procedures was refused and he is satisfied with current condition without acromion fixation.



Figure 1. Anterior posterior xray post trauma showing mid-shaft clavicle fracture with fractured acromion



Figure 2. Post cervical locking plate operation



Figure 3. Post operation 6 months

CONCLUSION

Although isolated clavicle or acromion fracture traditionally treated conservatively, floating acromion is a rare condition and may required stabilization by internal fixation. In this case, it shows an improvement of patient's quality of life in early to mid outcome for clavicle fixation only in floating acromion.

REFERENCES

1. Stoots, S. J. M., & Derksen, R. J. *The floating acromion*. Journal of Orthopaedics by Hindawi publisher, 2022.