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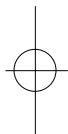
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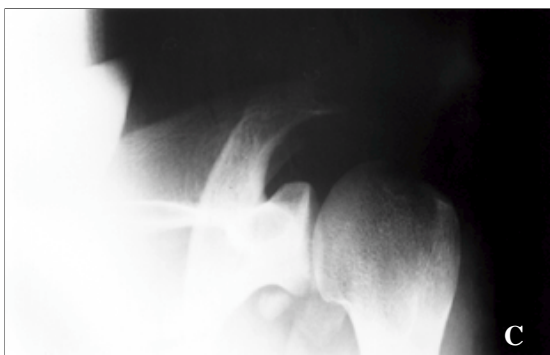
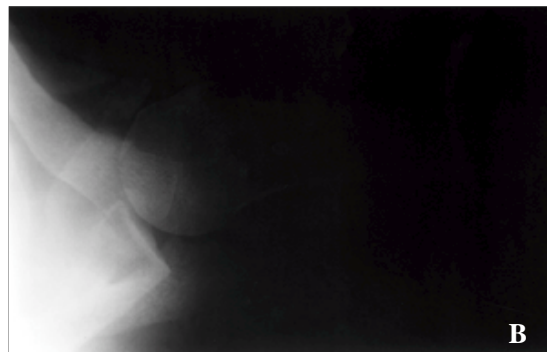
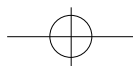


Fig 1. On the preoperative anteroposterior(A), axillary(B) and apical oblique view(C) radiograph showing fracture of acromion, distal end of clavicle and glenoid rim.

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(Fig. 2,3).

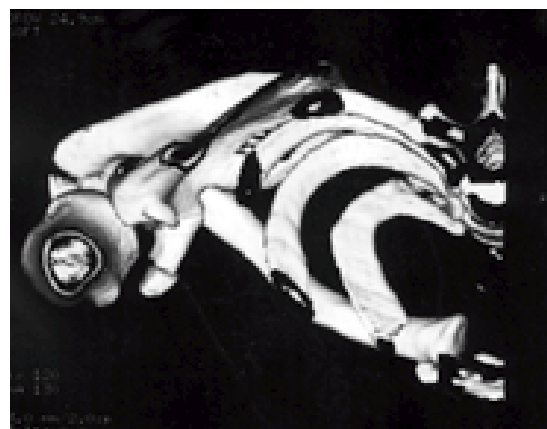


Fig 2. Three-dimensional reconstruction. Caudal view of left shoulder. Anterior & inferior portion of the glenoid is fractured and displaced..

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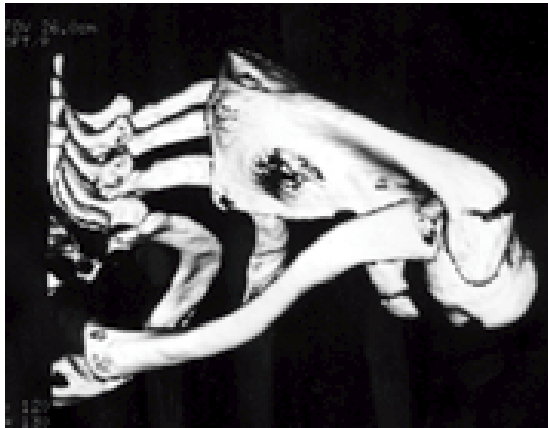
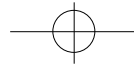


Fig 3. Three-dimensional reconstruction. Cranial view of left shoulder. Fractures of the acromial base, distal clavicle end and coracoid tip are clearly visible. Distal fragments of the clavicle are displaced anteriorly.



Fig 4. Postoperative radiograph. Capsular shift reconstruction was performed using statak and acromion fracture was fixed by two Kirschner wires.

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¹²⁾ Ogawa Naniwa⁷⁾

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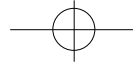
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, Rowe¹⁰⁾

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, Zimmer Statak

(Zimmer Inc, Warsaw, IN)

(capsular shift reconstructoin)

Rowe⁹⁾ 가

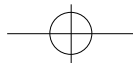
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Abstract

The combined quadruple lesion : fracture of acromion, distal end of clavicle, distal coracoid and glenoid rim associated with anterior shoulder dislocation -A Case Report-

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A distal clavicle fracture, as a single fracture, has been reported frequently in the literature. However, combined anterior shoulder dislocations with fracture of the coracoid or acromion is very rare. Fracture of the coracoid or the acromion are even uncommon, represent 3-5% and 9-12% of scapular fractures respectively, which account for 1 percent of all fractures. Combined anterior shoulder dislocations with distal end clavicle or glenoid rim fractures are also rare.

We observed the concurrent quadruple lesion: fracture of acromion, distal end of clavicle, distal coracoid and glenoid rim associated with anterior shoulder dislocation. To our knowledge, this combined injury has not been reported previously in the literature. Therefore, We presented the proposed mechanism of injury, course of treatment, and its clinical outcome with brief review of literature.

Key Words : shoulder, anterior dislocation, quadruple lesion