

Bilateral Olecranon Fracture in a Footballer Following an Overhead Kick

I. Ahallat^{1*}, O. Achahbar¹, MRZ. Fekhaoui¹, J. Mekkaoui¹, M. Boufettal¹, MR. Bassir¹, MO. Lamrani¹, M. Kharmaz¹, MS. Berrada¹

¹Department of Orthopedic Surgery – University Hospital Ibn Sina-Rabat-Morocco

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*Corresponding author: Ahallat Ilyass

Department of Orthopedic Surgery – University Hospital Ibn Sina-Rabat-Morocco

Abstract

Original Research Article

Olecranon fractures are generally caused by indirect trauma following a fall with landing on the hand. On the other hand, bilateral olecranon fractures are rare. Bilateral olecranon fracture is a fairly rare entity. It has been reported in patients with rheumatoid arthritis, osteogenesis imperfecta, stress fracture, and has even revealed sarcoidosis.

Keywords: Olecranon-elbow-surgery.

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INTRODUCTION

Olecranon fractures are generally caused by indirect trauma following a fall with landing on the hand. On the other hand, bilateral olecranon fractures are rare [1-3]. We report the clinical case of a footballer with a bilateral olecranon fracture following an overhead kick.

MATERIAL AND METHODS

Observation on a young sports patient aged 24, with no particular pathological history, who presented during a football match and following a “overhead kick” a fall with landing on both elbows which resulted in total functional impotence of both upper limbs with swelling of both elbows, pain in both elbows without skin opening or sensory-motor deficit.



Figure 1: Clinical images of swelling of both elbows

RESULTS

X-rays of both elbows, front and side, revealed a bilateral fracture of the olecranon which was simple on the left and complex on the right. The patient benefited from a bracing of the two olecranon, in the immediate post-operative period we did not observe any early

complications and in particular infection of the surgical site, neurological or vascular. The patient benefited from early postoperative rehabilitation. Two months after the surgical intervention, consolidation of the fracture was achieved with satisfactory mobility of both elbows, without complications of stiffness.



Figure 2: X-ray of both elbows showing bilateral olecranon fracture



Figure 3: Post-opérative x-ray control of both elbows

DISCUSSION

Bilateral olecranon fracture is a fairly rare entity. It has been reported in patients with rheumatoid arthritis, osteogenesis imperfecta, stress fracture, and has even revealed sarcoidosis [1]. However, bilateral olecranon fracture in young adults with no previous history has only been reported once in the literature [2].

CONCLUSION

This clinical case shows the risk of fractures associated with the “overhead kick” in footballers, particularly on grounds not suited to the practice of this sport.

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