Scopus

Documents

Nik Abdul Adel, N.A.[a] , Mohd, E.F.[b] , Munajat, I.[b] , Sulaiman, A.R.[b]

Oblique sliding ulna osteotomy to treat paediatric neglected monteggia fracture dislocation
(2024) *Journal of Orthopaedic Surgery*, 32 (3), .

DOI: 10.1177/10225536241286104

[a] Department of Orthopaedics, Traumatology and Rehabilitation, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Malaysia
[b] Department of Orthopaedics, School of Medical Sciences, Universiti Sains Malaysia, Kota Bharu, Malaysia

Abstract
Introduction: There have been osteotomy methods that corrected or overcorrected the ulna deformity as part of surgical treatment for chronic radial head dislocation. Methodology: We reported surgical technique and outcome of oblique sliding ulna osteotomy that created acute lengthening, deformity correction or both to assist open reduction of radiocapitellar joint in four patients with neglected Monteggia fracture dislocation. Result: Patients aged 3–12 years old had trauma duration of 4 weeks to 3 years. Two patients had Bado type I injury, and the other two had Bado type III. There was no acute nerve injury. During the final follow-up, all patients achieved union, with the limitation of motion range in the rotation arch being less than 20°. The radial head had no recurrent dislocation. Conclusion: This case series has shown sliding osteotomy safely, providing acute correction and lengthening of the ulna without requiring bone graft to facilitate stable reduction of the neglected Monteggia lesion. © The Author(s) 2024.

Author Keywords
monteggia; neglected; oblique sliding osteotomy; open reduction; radiocapitellar joint

Index Keywords
anconeus muscle, Article, child, chronicity, clinical article, coronal plane, female, fracture dislocation, head position, human, humeral condyle, immobilization, male, monteggia fracture dislocation, nerve paralysis, oblique sliding ulna osteotomy, olecranon, osteotomy, outcome assessment, plate fixation, range of motion, skin incision, subluxation, surgical technique, monteggia fracture, preschool child, procedures, surgery, ulna; Child, Child, Preschool, Female, Humans, Male, Monteggia's Fracture, Osteotomy, Ulna

Correspondence Address
Sulaiman A.R.; Department of Orthopaedics, Kota Bharu, Malaysia; email: abdrazak@usm.my

Publisher: SAGE Publications Ltd

ISSN: 10225536
CODEN: JOTSE
PubMed ID: 39305478
Language of Original Document: English
Abbreviated Source Title: J. Orthop. Surg.
2-s2.0-85204558913
Document Type: Article
Publication Stage: Final
Source: Scopus