

Outcomes of open reduction and internal fixation in displaced intra-articular scapular fractures: A case series

Marij Zahid, Rizwan Haroon Rashid, Hina Inam, Akbar Jaleel Zubairi, Naveed Baloch and Pervaiz Mahmood Hashmi
Aga Khan University Hospital, Karachi

Introduction: Scapular fractures are rare injuries and usually occur due to high energy trauma. Displaced Intra articular fractures usually require operative treatment and yields better outcomes as compared to conservative management.

Objectives: To assess the functional and radiological outcomes of displaced intra-articular scapular fractures managed with open reduction and internal fixation.

Methods: 12 patients over a period of 3 years (2012-2014) were included in the study. Post-operative functional outcomes were assessed using mean quick DASH (Disability of arm, hand and shoulder) score while radiological outcomes were analyzed as percentage of implant cut-through, mal-union, non-union or infection.

Results: The mean follow up was 14 months. Mean age was 40 years. The mean quick DASH score was 7.19 +/- 4.86. All of the patients had successful clinical and radiological healing and pain-free movements.).Mean pre-operative medial/lateral displacement was 10.36mm while post operatively it was calculated as 0.86 mm. Mean pre-operative and post-operative translations were 16.17mm and 1.35mm respectively

Conclusions: Open reduction and internal fixation in displaced intra-articular scapular-fractures yields exceptional and promising outcomes.

marijzh@gmail.com