

TRANSOLECRANON FRACTURE DISLOCATION WITH ESSEX LOPRESTI INJURY - A CASE REPORT

Ammar Abdol Hamid¹, Mohamad Fauzlie Yusof¹, Amnie Thum Qiu Chin¹

¹Melaka General Hospital

Introduction: Transolecranon fracture dislocation is a unique injury that combines a fracture of the olecranon with anterior dislocation of elbow. In contrast to Monteggia injury, the proximal radioulnar joint is not disrupted in transolecranon fracture. The Essex Lopresti injury however is consisting of radial head fracture, an intraosseous membrane (IOM) rupture and distal radioulnar joint (DRUJ) disruption. In this case, we present a case of combination of both transolecranon fracture dislocation and Essex Lopresti injury.

Discussion: 60 year old female, fall at home with outstretched hand, elbow in flexion position. Post trauma she complained of pain and reduced range of motion of her elbow. On examination, elbow is swollen, forearm in semi pronation, unable to fully extend elbow. From xray noted there is olecranon fracture with radial head dislocated anteriorly and also disruption of DRUJ. Closed manipulative reduction and backslab immediately done at ED. Then she underwent operation reconstruction plating of olecranon. During intraoperative, DRUJ was stable thus was put on backslab post operatively. After 6 week, backslab was off and she was started on range of movement exercise. After 2 months, fracture is united and patient is able to start full weight bearing exercise with elbow range of motion 10 to 120 degree.

Conclusion: Transolecranon fracture dislocation are inherently unstable. they require surgical fixation. The goal is to achieve stable, rigid anatomic fixation that allow early elbow motion. Dorsal plate fixation is a standard treatment for this injuries. Tension band or isolated screws are at high risk of failure in this fracture. For the IOM and DRUJ injury, there is recommendation for temporary K-wire stabilisation of DRUJ for 6 weeks For Essex Lopresti injury, diagnosis is crucial and important as it is often missed that can cause chronic wrist pain and instability.