

OPEN SEGMENTAL FRACTURE RADIUS (4 PARTS) WITH IPSILATERAL MIDSHAFT ULNA FRACTURE IN ADULT- A RARE CASE REPORT

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Introduction: Segmental fracture of the forearm are rare and little has been published about the incidence, classification and treatment of segmental injuries localized to either the radius or the ulna. The reported incidence was 0.1% of all fractures (1). There was no classification system that describe such fracture in the literature. The purpose of this study is to highlights a rare injury and its successful management.

Discussion: We encountered a 33-year-old lady, no known medical illness, was involved in a road traffic accident. She sustained open multi-segmental fracture of right radius and open comminuted fracture of midshaft of right ulna (Figure 1). During the first stage, wound debridement and primary fixation over right ulna with a dynamic compression plate using direct ulnar approach within 24 hours after the accident. Patient underwent second stage surgery one week after injury once the soft tissue condition improved. The radius was fixed with a distal end radius locking plate distally and compression plate proximally via modified Henry's approach. After 2 months post surgery, there is evidence of union over the right radius & ulna side. The wound was well healed and there is no signs of infection. Patient was given another follow-up to see the progress of the patient.

Conclusion: The present case report highlights a rare combination of injuries. Anatomical reduction, rotational stability and maintenance of radial bow are better archived by plating for a successful outcome. Delaying definitive treatment in bad soft tissue was suggested to prevent infected non-union later.