

Functional Outcome of Distal Radius Fractures Managed With Locking Compression Plate

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ABSTRACT

INTRODUCTION

Fractures of distal radius remain the most common fractures treated in emergency departments, which are managed surgically by locking compression plate. There are pitfalls, advantages and disadvantages in this method.

AIMS AND OBJECTIVES

1. To study the functional outcome of surgical management of fracture distal end of radius with locking compression plates.

2. To study the effectiveness and complications of distal end of radius fractures and fractures treated with locking compression plate.

PATIENTS AND METHODS

The present study has been conducted at ASRAM HOSPITAL, ELURU during the period between July 2019 and April 2020. Total of 30 patients of 20-80 years of age were treated surgically by using of locking compression plate.

INCLUSION CRITERIA

Adults (aged over 18 year) both male and female with unstable, extraarticular and comminuted or intra articular fractures of distal end radius.

EXCLUSION CRITERIA

1. Patients aged below 18 years

2. Compound fractures associated with vascular injuries

OBSERVATION AND RESULTS

Patients were followed up to 1 year 6 months. The functional, radiological, and clinical results were recorded according to Gartland and Werley scoring system.

CONCLUSION

From this study, we conclude that locking compression plates that are widely used provide successful results for the treatment of both extra articular and intra articular unstable fractures of distal radius.

