

ABSTRACT

TITLE OF THE ABSTRACT :

“A RETROSPECTIVE AND PROSPECTIVE ANALYSIS OF FUNCTIONAL AND RADIOLOGICAL OUTCOME IN ACETABULAR FRACTURES TREATED WITH OPEN REDUCTION AND INTERNAL FIXATION”

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AIM OF THE STUDY:

The aim of this study is to analyze the retrospective and prospective study of functional and radiological outcome of open reduction and internal fixation in patients with acetabular fractures.

METHODS:

This is a retrospective and prospective study done to assess the functional outcome of acetabular fractures treated by open reduction and internal fixation in - 14 patients over the period of 2 years from June 2015 September 2017 in a single unit - ortho 4 at Our Institute of Orthopaedics and Traumatology, Madras medical college and Rajiv Gandhi Government general hospital, Chennai.

Inclusion criteria

Age greater than or equal to 18 years ,

Closed fractures,

All types of acetabular fractures

Exclusion criteria

Open injuries

Age less than 18 years

Undisplaced fractures

RESULTS

According to Matta's criteria, 8 patients had anatomic reduction, 4 patients had satisfactory reduction and 2 patients had poor reduction (>3mm gap)

Out of 14 patients, three patients had excellent, four patients had good, five patients had fair and two patients had a poor results.

CONCLUSIONS:

Both simple and complex acetabular fractures treated by open reduction and internal fixation have a good functional outcome.

KEY WORDS: acetabulum, open reduction internal fixation, reconstruction plate.