ABSTRACT

Background and Objectives:

Fracture neck of femur and its complications account for significant morbidity and mortality. Unipolar and bipolar hemiarthroplasty helps in early mobilization of the patient as well as prolonging their productive life.

Materials and methods:

40 patients with intracapsular fracture neck of femur were included in this study. 20 patients were treated with unipolar hemiarthroplasty and 20 patients with bipolar hemiarthroplasty, respectively.

In both the groups, patients were evaluated for functional outcome by using Harris Hip score. Patients were also evaluated radiologically. The Data was analysed by SPSS 20.00 using Chi-square test.

Results

Our overall mean Harris hip score pre operatively for unipolar hemiarthroplasty was 36.2 and bipolar hemiarthroplasty was 39.1 which increased to 81.8 for unipolar and 85.05 for bipolar hemiarthroplasty respectively, with p-value of <0.561. Our results also shows that we have 35% excellent result in Bipolar whereas we have 15% excellent result in unipolar Hemiarthroplasty group.

Conclusion:

The results of our study shows that uncemented bipolar hemiarthroplasty gave better results when compared with uncemented unipolar hemiartheoplasty. Our

results also shows that, cemented bipolar hemiarthroplasty gave better results when compared with cemented unipolar hemiarthroplasty clinically and radiologically. Thus, Bipolar hemiarthroplasty did better when compared with unipolar hemiarthroplasty in general.