



## **Comparison of Harris Hip Score functional outcome proximal femur fracture fixation with open reduction internal fixation (ORIF) and hemiarthroplasty**

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**Abstract :Objective :** The aim of this study was to compare the outcomes of proximal femur fractures treated with open reduction internal fixation (ORIF) and hemiarthroplasty in trauma patients.

**Material AndMethods :** A total of forty three trauma patients with proximal femur fractures treated surgically between January 2015 and March 2017 were included into the study type of fracture according to Association for Osteosynthesis/Association for the Study of Internal Fixation (AO/ASIF) classification; types of surgical procedure (ORIF or hemiarthroplasty), gender, age and follow-up scores six months prior to surgery (Harris Hip Score [HHS]) were recorded.

**Results :** The preoperative characteristics of the patients in ORIF twenty-one (21) and hemiarthroplasty twenty-two (22) with total of forty-three (43) subject, female twenty-three (22) and male twenty (20). There were significant differences with regard to the HHS at the six months prior to surgery ( $p>0,05$ ) with HHS score of the ORIF group ( $76,67 \pm 1,68$ ), hemiarthroplasty group ( $81,91 \pm 1,90$ ).

**Conclusion :** Although ORIF had satisfactory outcomes in surgically treated patients with proximal femur fractures, we recommend proximal femur fractures with hemiarthroplasty; which is can give better clinical outcomes.

**Key words :** Hemiarthroplasty; proximal femur fracture; Harris Hip Score; open reduction internal fixation.

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