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**Original article**

**Comparison of two modality of fixation in unstable trochantric fractures in elderly patients**

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**Abstract**

**Introduction:** Treatment of unstable trochantric fractures in elderly and medically compromised patients are challenging to the orthopaedic surgens . the purpose of this study is to study the results of fixation of trochantric fractures by the reconstruction of posteromedial defect by graft taken from femoral head of the patient (calcar reconstruction) in cemented bipolar hemiarthroplasty and compare with dynamic hip screw fixation .

**Method:** Thirty patients, 65 years or older with unstable osteoporotic intertrochanteric neck femur fractures were treated with either dynamic hip screw fixation or cemented bipolar hemiarthroplasty and the reconstruction of posteromedial defect by graft taken from femoral head of the patient (calcar reconstruction) . Results were evaluated by Harris Hip Score.

**Key words:**  bipolar , hemiarthroplasty , trochanter