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**Original article:**

**Management of type a supracondylar fractures of femur with dynamic condylar screw (DCS)**

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##### Abstract

**Introduction:** Supracondylar fractures of the femur in adults are relatively uncommon and account for only 7% of all femoral fractures1. However these fractures are often complex injuries, that present with numerous complications, like mal alignment, flexion contractures, stiffness and limb length discrepancies2 The purpose of this study was to assess the outcome of dynamic condylar screw in supracondylar fractures of femur in adults, while comparing the results with other international studies.

**Material and methods**:. This study was based on 30 patients of fresh supracondylar fractures of the femur treated with dynamic condylar screw at tertiary Trauma Center.. The patients were followed up for 1 year and parameters like union, range of movements and time for healing were recorded. **4**Schatzker and Lambert Criteria (Annexure I) were used to grade the results.

**Results**: The age range was from 18 years to 72 years. 18 patients were male and 12 were female. The cause of injury was high energy trauma like road traffic accidents and fall from height. All fractures were of AO type A. Based on above mentioned criteria, results were excellent in 18 patients (60%), good in 6 patients (20%), fair in 5 patients (17%) and poor in 1 patient (3%).

**Conclusion**: Dynamic condylar screw is one of the best devices to treat supracondylar fractures of the femur.

**Keywords**: Supracondylar fracture femur, dynamic condylar screw. ,Primary Osteosynthesis