

Prospective Study on the Efficacy of Bio Absorbable Screws in Treatment of Osteochondral Fractures

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Abstract : Our study is a prospective study on the use of bio absorbable pins for the treatment of osteochondral fractures after patellar dislocation. 22 patients who presented with osteochondral fractures were treated in our institution. They were followed for a minimum of 12 months by regular radiological evaluation. Of the 22 patients, 2 had fragments that detached from the fracture site which was treated arthroscopically. All the patients underwent open reduction and fixation of the pins using bio absorbable screws. They were immobilized in the cast for a minimum of 6 weeks after which mobilization was started according to our protocol. Fracture consolidation was found to occur in 20 of the 22 patients. Thus, Bio absorbable screws can be used as a reliable method of fixation of the osteochondral fragments.

Keywords : osteochondral fracture, bio absorbable pins, patella dislocation, physiotherapy

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