

SCHATZKER 6 TIBIAL PLATEAU FRACTURE TREATED WITH MINIMALLY INVASIVE PERCUTANEOUS SCREW FIXATION

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Introduction: Tibia plateau is an intraarticular fracture with an annual incidence of 10.3 per 100,000. We have a case of Schatzker 6 tibia plateau fracture treated with closed reduction combined with minimally invasive percutaneous screw fixation. A gentleman with no known comorbid had a motor vehicle accident with direct impact over his right knee. Post trauma there was pain and swelling over right knee and leg. Plain radiograph of the right knee revealed a lateral tibia plateau fracture with extension to the mid diaphysis of right tibia.

Discussion: Patient underwent fixation under spinal anesthesia. A stab incision was made over proximal anterolateral aspect of tibia under image intensifier (II) guidance. A cortical rafting screw was inserted from lateral tibia plateau directed posteromedially. For restoration of articular surface, a bone window was created over proximal anterolateral aspect of tibia, and bone cement was injected along with insertion of bone graft. A rafting screw was then inserted in an anteroposterior direction to augment the fracture reduction. The knee was then protected with brace in full extension.

Conclusion: The advantages of this procedure include short duration of surgery and minimal blood loss. Small incisions minimise risk of bleeding and post-operative infection. The pain score post-operation was 2 as measured with the numerical pain score system. The knee flexion was increased gradually during the subsequent follow up.