ABSTRACT

TITLE

SUPRAPATELLAR APPROACH FOR INTRAMEDULLARY TIBIAL NAILING IN SEMI EXTENDED POSITION OF KNEE JOINT
CASE SERIES STUDY

MATERIALS AND METHODS

This is a prospective study for the study of the clinical, radiological and functional outcome and complication for tibial shaft fractures treated with intramedullary nailing through suprapatellar approach in semi extended position of knee in 20 patients in the period of October 2015 to October 2017 at Our Institute of Orthopaedics and Traumatology, Madras medical college and Rajiv Gandhi Government general hospital, Chennai.

CONCLUSION

Reamed locked intramedullary nailing remains the standard treatment for displaced tibial shaft fractures. In our study we describe surgical hints in addition to the benefits of suprapatellar approach. A correct starting point remains a crucial part of surgical procedure. Suprapatellar approach of intramedullary tibial nailing in semi extended position of knee offers an alternative to traditional infrapatellar approach. Specific instrumentation with a canula system allows for nail insertion in a safe fashion and minimize the risk of iatrogenic damage to intraarticular structures. The semieextended position of knee facilitate fracture reduction particular in proximal third tibial fracture and all diaphyseal tibial fractures. This approach had excellent outcome for Ipsilateral Femoral Shaft Fractures, Stiff Knee and Proximal 1/3rd of Tibia Fracture. The preliminary data suggested a low rate of post operative anterior knee pain.