ABSTRACT

BACKGROUND: In distal bothbone leg fractures, tibiofibular syndesmosis and interosseous membrane gets disrupted, fixation of fibula helps in healing of these soft tissues which further improves ankle stability. In distal both bone leg fractures fixation of tibia alone has difficulty in reduction and instability. Anatomical reduction and fixation of the fibula fracture can be performed in advance to facilitate reduction of the tibia fracture and restoration of the stability.

AIM: To Analyse and Evaluate “functional outcome of internal fixation of fibula by closed tens nailing in addition to tibia in distal both bone leg fractures”

MATERIALS & METHODS: Patients with distal both bone leg fractures for whom fibular fixation was done in addition to tibia nailing in Govt. Rajaji Hospital, Madurai from July 2016 until September 2018 with minimum 1 year followup.

CONCLUSION: In conclusion, treatment of distal third both bone leg fractures by fixation of fibula by closed tens nailing in addition to tibia is useful in anatomical reduction of tibia & reduced malalignment of tibia with good ankle functions. Further Randomized control studies are needed to assess the long term functional outcome in these patients.

KEYWORDS: fibula fixation, tens nailing, tibial malalignment, ankle functions.