

# **Taylor Spatial Frame in the treatment of pediatric and adolescent tibial shaft fractures.**

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## **Abstract**

The Taylor Spatial Frame (TSF) is a modern multiplanar external fixator that combines ease of application plus computer accuracy in the reduction of fractures. A retrospective review of our experience in using this device for treating unstable tibia fractures in pediatric and adolescent patients was carried out to determine the effectiveness and complications of TSF in the treatment of these fractures. Ten tibia fractures were included. All patients were boys with an average age of 12 years (range 8-15 years). Mean duration of follow-up was 3.1 years. These fractures included 5 open fractures. All fractures healed over a mean of 18 weeks. All patients were doing well and involved in sports when last seen. Postoperative complications included pin tract infection in 5 patients. TSF is an effective definitive method of tibia fracture care with the advantage of early mobilization and ability to postoperatively manipulate fracture into excellent alignment.