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Rigid locked nail fixation for pediatric tibia fractures - Where are the data?

Weltsch D *et al.* Pediatric tibia RLN fixation: Sparse data

Daniel Weltsch, Keith D Baldwin

Abstract

Tibial shaft fractures are common injuries among the pediatric and adolescent population. Conservative treatment remains the preferred treatment. However, over the last two decades, there has been an increasing trend of operative fixation in pediatric tibia fractures, commonly with intramedullary nail fixation (IMN). Elastic stable intramedullary nails (ESIN) are heavily used especially in skeletally immature patients as they are physal respecting and the technique for insertion is familiar. Alternatively, reamed locked intramedullary nails (RIMN) have gained traction in adolescents and skeletally immature pre-adolescents. When identifying publications germane to intramedullary fixation of pediatric tibia fractures, the majority investigated clinical and

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Femoral shaft **fractures** are most common reason for admission following **pediatric** and adolescent orthopaedic trauma. 1 The standard treatment of femoral shaft **fractures** in adults is **rigid** intramedullary **nailing** (RIMN). Advantages of this technique include **rigid fixation** providing control of length, angulation, and rotation; small incisions; and early weight-bearing.

Locked rigid antegrade intramedullary nailing of ...

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Li Y, Stabile KJ, Shilt JS. Biomechanical analysis of titanium elastic **nail fixation** in a pediatr femur **fracture** model. J Pediatr Orthop 2008; 28: 874-878. MacNeil JAM, Francis A, El-Hawary R. A systematic review of **rigid, locked, intramedullary nail** insertion sites and avascular necrosis of the femoral head in the skeletally immature.

Author: stanley jones, Matthew Hampton, Naid... **Publish Year:** 2016

Rigid intramedullary nail fixation of femoral fractures in ...

[www.ncbi.nlm.nih.gov](#) › ... › J Orthop Traumatol › v.15(3); 2014 Sep

Sep 29, 2013 · Background. Femoral fracture in adolescents is a significant injury. It is generally agreed that operative **fixation is the** treatment of choice, and **rigid intramedullary nail fixation** is a treatment option. However, numerous types of **rigid nails** to fix adolescent femoral **fractures** have been described.

Cited by: 3 **Author:** D. S. Angadi, D. S. Angadi, D. E. T. Shep...

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