

REVIEWER'S REPORT

Manuscript No.: IJAR-54591

Date: 30/10/2025

Title: Functional Outcome Of Titanium Elastic Nailing For Pediatric Femoral Shaft Fracture

Recommendation:

- Accept as it is
- ✓ Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance		✓		

Reviewer Name: Dr. S. K. Nath

Date: 30/10/2025

Reviewer's Comment for Publication:

The study provides valuable insights into the use of titanium elastic nailing for pediatric femoral shaft fractures, aligning with existing literature that highlights benefits such as early mobilization and preservation of joint function. However, the limitations particularly the retrospective design, small sample size, and lack of a control group warrant cautious interpretation of the findings. Further prospective, controlled studies are recommended to substantiate these results.

Reviewer's Comment / Report

Strengths:

- The study addresses an important topic in pediatric orthopedics, focusing on minimally invasive treatment for femoral shaft fractures in children aged 4 to 16.
- The retrospective design enables evaluation of real-world outcomes over a reasonable follow-up period (minimum 6 months).
- The use of standardized criteria (Flynn's criteria) allows for objective assessment of functional outcomes.
- The sample size of 30 patients provides a meaningful data set for this type of surgical intervention.

Weaknesses:

- The study lacks a control or comparison group (e.g., traditional treatment methods such as traction or casting), which limits the strength of conclusions regarding the relative efficacy of TENS.
- The methodology section provides limited details on the selection criteria, surgical technique nuances, and postoperative care protocols.
- There is inadequate reporting of complications, including specific details about adverse events, non-union, or implant-related issues.
- The statistical analysis and data presentation are somewhat limited; quantitative outcomes such as time to union, functional scores, or limb length discrepancy are not comprehensively analyzed.
- The language and grammar throughout the paper can be improved for clarity and professionalism.

Recommendations to the Author:

- Clarify inclusion and exclusion criteria and provide more detailed descriptions of surgical and postoperative protocols.
- Include a more comprehensive presentation of outcomes, such as time to radiological union, functional scores, and complication rates.
- Incorporate statistical analysis comparing pre- and post-operative parameters where applicable.
- Proofread the manuscript to correct grammatical errors and improve sentence flow.

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- Enhance the discussion to compare your findings with existing literature, highlighting similarities or differences.
- Consider adding a control group or comparing outcomes with other fixation methods for stronger conclusions.
- Minor typographical and grammatical errors are present throughout (e.g., inconsistent spacing, awkward phrasing). Careful editing is necessary.
- Some references are incomplete or improperly formatted, which should be revised for consistency.
- Figures and tables mentioned (e.g., Flynn's criteria) should be clearly presented and referenced appropriately.