

REVIEWER'S REPORT

Manuscript No.: IJAR-53710

Date: 07/09/2025

Title: To Study the Outcome of High Tibial Osteotomy for Medial Compartment Osteoarthritis Knee

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: Sakshi Jaju

Date: 07/09/2025

Reviewer's Comment for Publication.

This prospective study evaluated 30 patients with medial compartment osteoarthritis who underwent medial opening wedge high tibial osteotomy (OWHTO). The aim was to assess pain relief, functional outcomes, radiological correction, and complications. Significant improvements were observed in pain, functional scores (JOA, KSS), and mechanical axis alignment over a 12-month follow-up period. Minimal complications, mainly superficial infections, were reported.

Strengths:

1. Prospective design with clear inclusion/exclusion criteria.
2. Use of validated scoring systems (VAS, JOA, KSS).
3. Radiological assessment provided objective outcome measures.
4. Minimal complications with good follow-up compliance.

Weaknesses:

1. Small sample size (30 patients) limits generalization.
2. Short follow-up period (1 year); long-term outcomes unknown.
3. Single-center study without a control group for comparison.

Overall Assessment:

The study demonstrates that OWHTO is a safe and effective procedure for younger, active patients with MCOA and varus deformity, providing significant pain relief and functional improvement with minimal complications. However, larger multicenter trials with longer follow-ups are needed for stronger evidence.

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Manuscript accepted for the publication.