

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Orthopedics*

**Manuscript NO:** 67511

**Title:** Ilizarov bone transport combined with the Masquelet technique for bone defects of various etiologies (preliminary results)

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03518273

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Assistant Professor

**Reviewer's Country/Territory:** Thailand

**Author's Country/Territory:** Russia

**Manuscript submission date:** 2021-04-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-13 04:06

**Reviewer performed review:** 2021-05-13 05:22

**Review time:** 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

This study show the alternative method to achieve union in pathology of the tibia . This should be the good source of knowledge.

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**Peer-review model:** Single blind

**Reviewer's code:** 05758354

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Academic Research, Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Russia

**Manuscript submission date:** 2021-04-28

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-07-20 00:55

**Reviewer performed review:** 2021-07-28 09:24

**Review time:** 8 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The study aims to improve bone regeneration and reduce the risks of post-traumatic refractures and congenital defects and nonunion that failed to respond to other treatments. Specially, the authors offer an intergrated treatment strategy using Ilizarov bone transport and Masquelet technique. Overall, the manuscript is clearly constructed into a compelling investigation for the topic. I recommend acceptance after minor revisions.

1. In the introduction section: Some decent and detail writing about the significance and importance to investigate congenital pseudarthrosis of the tibia and distraction osteogenesis and bone regeneration, is needed.
2. In Figure 1, comparing the results after the 6-month outcome with the previous results may not be intuitive enough, it is recommended to enlarge the related details. Making enlarged views of the details is recommended.
3. The same problem exists in Figure 2. ( See 5 for suggestions).
4. Since you mentioned that the integrated method is still of shortcomings, how can this situation be improved in the future? Can other methods be introduced and combined with this method to synergistically improve it?
5. Are the combined methods (Ilizarov bone transport and Masquelet technique ) only used in the areas you proposed? Is it possible for treating other tissues with this or similar methods?
6. Others: Several grammatical errors still exist in the paper (such as complex long sentences). Necessary polishing is required