# PEER-REVIEW REPORT

**Name of journal:** *World Journal of Transplantation*

**Manuscript NO:** 88891

**Title:** Use of Machine Learning Models for the Prognostication of Liver Transplantation: A systematic review

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

**Peer-review model:** Single blind

**Reviewer's code:** 06090125

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Lecturer, Technical Editor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2023-10-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-10-27 18:59

**Reviewer performed review:** 2023-10-31 16:55

**Review time:** 3 Days and 21 Hours

| | |
|---|---|
| **Scientific quality** | [  ] Grade A: Excellent    [ Y] Grade B: Very good    [  ] Grade C: Good<br>[  ] Grade D: Fair    [  ] Grade E: Do not publish |
| **Novelty of this manuscript** | [  ] Grade A: Excellent    [ Y] Grade B: Good    [  ] Grade C: Fair<br>[  ] Grade D: No novelty |
| **Creativity or innovation of this manuscript** | [  ] Grade A: Excellent    [ Y] Grade B: Good    [  ] Grade C: Fair<br>[  ] Grade D: No creativity or innovation |

| Scientific significance of the conclusion in this manuscript | [   ] Grade A: Excellent      [ Y] Grade B: Good      [   ] Grade C: Fair  [   ] Grade D: No scientific significance |
|---|---|
| Language quality | [   ] Grade A: Priority publishing   [ Y] Grade B: Minor language polishing   [   ] Grade C: A great deal of language polishing   [   ] Grade D: Rejection |
| Conclusion | [   ] Accept (High priority)   [   ] Accept (General priority)  [ Y] Minor revision   [   ] Major revision   [   ] Rejection |
| Re-review | [ Y] Yes   [   ] No |
| Peer-reviewer statements | Peer-Review: [ Y] Anonymous   [   ] Onymous |
|  | Conflicts-of-Interest: [   ] Yes   [ Y] No |

## SPECIFIC COMMENTS TO AUTHORS

Overall, this manuscript presents innovative ideas clearly and effectively. The structure is well-organized, and the writing is clear and concise. The author has done an excellent job of explaining a complex technical process in an easy-to-understand way. However, to improve the manuscript, the author should ensure that the references cited in the introduction and related work section are thoroughly addressed in the reference section. Additionally, the introduction should provide an extended version of the abstract, with elaboration on the key points and supportive ideas and references. Lastly, the conclusion section needs revision to provide a more insightful and comprehensive summary of the manuscript. Finally, the author should ensure that all references are properly formatted according to the relevant rules.   Additional References:  The following articles could be useful: • Involving machine learning techniques in heart disease diagnosis: a performance analysis. http://doi.org/10.11591/ijece.v13i2.pp2177-2185 • A diagnostic testing for people with appendicitis using machine learning techniques. https://doi.org/10.1007/s11042-022-11939-8