

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 88798

Title: Influence of donor age on liver transplantation outcomes: A multivariate analysis and comparative study

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03011479

Position: Peer Reviewer

Academic degree: MD, MHSc, PhD

Professional title: Surgeon

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Croatia

Manuscript submission date: 2023-10-09

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-08 13:14

Reviewer performed review: 2023-11-13 11:20

Review time: 4 Days and 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors have conducted a retrospective cohort study aiming at evaluating the influence of donor age on LT outcomes. Some issues need to be addressed: 1. Please clarify what "adult liver transplants" mean in your study- please include the age (>18y? >16y?). 2. I would like have a better explanation according to the allocation policy. It was not clear. It is not based in the MELD system? Why patients with hepatitis C are preferably transplanted with liver from younger donors... to avoid recurrence?? 3. Tables 1 and 2, as well as many other tables do not indicate what the numbers in parenthesis mean. 4. Most of the figures are cut. 5. Please note that when you define your outcomes, in practice, overall graft survival is the same outcome as graft survival. 6. Please explain why the age cut points were selected as 45 and 75. In what basis? Why were the donors between 45 and 75 excluded from the analysis? 7. The outcome of the multivariate model was graft survival? 8. Please explain why the retransplants were excluded from group comparisons and then included in the multivariate model "Patients who underwent retransplantation were not compared between the two groups, but were included in the multivariate analysis" This doesn't make any sense to me. 9. I

couldn't find the donor age in any of the multivariate models. None of the tables 3 or 4. "When adding donor age to models (3) and (4) to observe behavior, the result was once more an insignificant, this time slightly positive coefficient for donor age, with negligible alterations to other coefficients." Where are these results? 10. How do you explain, in Table 1, that the median age of the donors was 60, if you only have selected donors under 45 or over 75? The median, in this case, does not reflect the actual sample.

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Reviewer's code: 05821532

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Senior Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: Croatia

Manuscript submission date: 2023-10-09

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-30 03:40

Reviewer performed review: 2023-12-03 02:44

Review time: 2 Days and 23 Hours

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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

see the attachment