

PEER-REVIEW REPORT

Name of journal: *World Journal of Transplantation*

Manuscript NO: 78245

Title: Effects of an active lifestyle on the physical frailty of liver transplant candidates

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02936529

Position: Editorial Board

Academic degree: FRCS (Hon), MD, PhD

Professional title: Professor, Surgical Oncologist

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Greece

Manuscript submission date: 2022-06-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-18 01:12

Reviewer performed review: 2022-06-28 01:47

Review time: 10 Days

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 Grade E: Do not publish
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Physical frailty is a factor of great importance due to its potential impact on post-LT mortality. This very well-designed study objectively reflects the role of frailty in outcomes after LT, the methodology is sharply well-constructed, and the discussion session is concise and highlights the main aspects of the present subject.

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Peer-review model: Single blind

Reviewer's code: 05446956

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Greece

Manuscript submission date: 2022-06-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-24 00:44

Reviewer performed review: 2022-07-25 12:29

Review time: 1 Day and 11 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
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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors evaluated the association between physical activity level (IPAQ) and fragility of patients before liver transplantation. my comments: * the data of table 1 to 6 should be combined into one table which compaires active and sedentary groups statistically. * a table for correlation analysis between IPAQ and MELD, LFI, VO2max, AT and 6MWT should be formed. * since there was no corelation between physical activity level and fragility, the conclusion was not justified by the data of the study. therefore, abstract and discussion sections must be revised accordingly.

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Peer-review model: Single blind

Reviewer's code: 05185768

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Reviewer's Country/Territory: Thailand

Author's Country/Territory: Greece

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Reviewer accepted review: 2022-07-28 14:17

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Review time: 2 Days and 18 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
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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This manuscript highlighted the hot issues of sarcopenia and frailty in liver transplanted candidate. It is an interesting topics. The methodology seems reasonable. I questioned the reliability of the questionnaire. The reliable tool such as watch recording during the day might be more reliable than the questionnaire. There are many physical activity measurements that also need more validation. The factors that might effect the physical activity measurement such as age, gender and BMI should be corrected before making the comparison. In abstract, AT and 6MWT should not be in abbreviation.