

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 58909

Title: Effect of non-alcoholic beer, diet and exercise on endothelial function, nutrition and quality of life in patients with cirrhosis

Reviewer's code: 02861048

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Senior Researcher

Reviewer's Country/Territory: Austria

Author's Country/Territory: Mexico

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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

Major points: Figure 1, finding on MMAC - The authors performed unpaired tests for baseline and post-treatment, which is inappropriate. It seems that there was a numerical trend towards higher MMAC percentile in the intervention group already at baseline. Therefore, please perform an ANCOVA to confirm the impact of treatment assignment on MMAC. This statistical tests should be used for all comparisons of treatment effects throughout the study. Another measure of endothelial dysfunction that also has strong prognostic implications in patients with cirrhosis is VWF (see Mandorfer et al Aliment Pharmacol Ther 2018) - was this performed or are stored plasma samples available? It is a pity that only hand-grip strength, and not a more detailed functional assessment (e.g., 6MWT, isometric knee extension, and maximal step length) was performed.

Minor points: Of note, this research was sponsored by the Mexican Beer Council (MBC), however, the authors disclose that the funding source had no role in research design, study conduct, or analysis/interpretation. Abstract, methods - a race is missing. Page 9, inclusion criteria - 'and portal hypertension' is redundant.