

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 91308

Title: Omics-based biomarkers as useful tools in metabolic dysfunction-associated steatotic liver disease clinical practice: How far are we?

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00746598

Position: Peer Reviewer

Academic degree: N/A

Professional title: N/A

Reviewer's Country/Territory: Reviewer_Country

Author's Country/Territory: Argentina

Manuscript submission date: 2023-12-27

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2024-01-16 14:40

Reviewer performed review: 2024-01-16 14:58

Review time: 1 Hour

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 Grade E: Do not publish
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 checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[<input checked="" type="checkbox"/>] Grade A: Excellent [<input type="checkbox"/>] Grade B: Good [<input type="checkbox"/>] Grade C: Fair [<input type="checkbox"/>] Grade D: No scientific significance
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 checked="" type="checkbox"/>] Accept (High priority) [<input 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
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

This is a well-written, focused article that highlights pitfalls in diagnostic biomarkers for MASLD. As with other insulin-resistance related diseases, the abnormalities are multi-dimensional meaning that no single marker is reliable for diagnosis. Even the histopathology is not sufficient on its own. One point not mentioned in this review is the value of low-tech assessments that have strong correlations with MASLD, namely, waist circumference and waist-hip ratios. These should be mentioned because for prevention, the cases have to be predictable. Our problems often relate to when the LFTs become abnormal--perhaps too late in the process. Adding something about screening and monitoring with low-tech methods could improve the manuscript.

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 01560549

Position: Peer Reviewer

Academic degree: N/A

Professional title: N/A

Reviewer's Country/Territory: Singapore

Author's Country/Territory: Argentina

Manuscript submission date: 2023-12-27

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2024-01-15 01:28

Reviewer performed review: 2024-01-24 03:52

Review time: 9 Days and 2 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
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
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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

Thank you for your review on a very interesting and important topic of Omics based biomarkers for MASLD. A description of which databases were searched for relevant articles would be helpful. In addition a detailed analysis with assessment of individual validity of studies would be more instructive instead of a summary comment.