

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 82671

Title: The emerging role of engineered exosomes in nonalcoholic fatty liver disease

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04737603

Position: Peer Reviewer

Academic degree: MD

Professional title: Senior Research Fellow

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2022-12-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-09 11:31

Reviewer performed review: 2023-01-15 20:04

Review time: 6 Days and 8 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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

Dear Authors, thank you for submitting this extensive review on exosomes and NAFLD. The review would benefit from an extensive reshaping as many parts/studies are repeated throughout the manuscript. Moreover, in this version, the paper is challenging to follow. Some specific remarks: - NAFLD is a liver disease, not a key factor for liver disease - NAFLD is reversible, while advanced non-alcoholic fatty liver disease (NAFLD) is difficult to reverse - it is a contradictory - please change the two-hit hypothesis now old with the new, establish multi-hit hypothesis for the pathogenesis of NAFLD - please remove all the disease that are not relevant to NAFLD from the paragraph Exosomes and lipid metabolism, such as cachexia etc - please erase this statement as not true: Human umbilical cord mesenchymal stem cell-based (hUC-MSC) therapy is currently considered an effective treatment for NAFLD. - the paper would benefit from merging the paragraph on exosomes and inflammation with the one with oxidative stress. A comprehensive paragraph on lipotoxicity would be clearer as the two entities cannot be separated

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Title: The emerging role of engineered exosomes in nonalcoholic fatty liver disease

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02951945

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-12-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-23 01:57

Reviewer performed review: 2023-01-23 22:37

Review time: 20 Hours

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 type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input 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
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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

I congratulate authors for this well written manuscript; the information is relatively new. Is there any data on engineered exosomes in liver regeneration after hepatectomy or portal vein embolization, and in post-transplant patients (transplanted for NAFLD associated cirrhosis)? There can be minor language revision that can be done, recommend further review by a language expert

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: MD

Professional title: Senior Research Fellow

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2022-12-26

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2023-02-24 10:37

Reviewer performed review: 2023-02-24 10:38

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
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
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

I am happy with the changes made by the authors