

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64057

Title: Mesenchymal stem cell-derived exosomes: An emerging therapeutic strategy for normal and chronic wound healing

Reviewer's code: 05818012

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2021-02-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-09 10:25

Reviewer performed review: 2021-02-21 15:27

Review time: 12 Days and 5 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 Grade E: Do not publish
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 checked="" 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



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SPECIFIC COMMENTS TO AUTHORS

In this review, the authors systematically describe the important role of MSC-derived exosomes in skin wound healing and their possible mechanisms, as well as their potential clinical applications as cell-free therapies. Although it is already very rich and comprehensive, I would like to make some important recommendations on some basic issues that will help the authors improve the quality of the current manuscript. Major concerns: 1. The section on the biological characteristics of exosomes derived from mesenchymal stem cells. Your title is the 'Biogenesis and Biological Characteristics of MSC-Exosomes'. However, the article mainly introduces mesenchymal stem cells, and also talks about the biogenesis and common physiological characteristics of exosomes. It does not specifically talk about the unique physiological characteristics of MSC-exosomes. I suggest you make a supplement. 2. As regarding proliferation phase. Are you referring to exosomes derived from bone marrow or exosomes derived from BM-MSC? Is it a misdescription? 3. The description of the conclusion part is too simplistic, it is recommended to rewrite. At least it should discuss the content of exosomes derived from mesenchymal stem cells to promote wound healing.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64057

Title: Mesenchymal stem cell-derived exosomes: An emerging therapeutic strategy for normal and chronic wound healing

Reviewer's code: 05818012

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2021-02-08

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-04-10 16:04

Reviewer performed review: 2021-04-10 16:29

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 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
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



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I recommend the manuscript to be published in the World Journal of Clinical Cases.