



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46603

Title: Cell membrane and bioactive factors derived from mesenchymal stromal cells:
Cell-free based therapy for inflammatory bowel diseases

Reviewer's code: 03810998

Reviewer's country: China

Science editor: Ying Dou

Reviewer accepted review: 2019-03-09 16:52

Reviewer performed review: 2019-03-10 09:51

Review time: 16 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting manuscript to summarize the role of cell membrane and bioactive derived from MSCs for IDB treatment. However, the reviewer has the following comments before it can be considered to be published. The manuscript should



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emphasize in the parts of 3 and 4, but not the other sections as they are basic knowledge for the researchers in this field. The authors should discuss deeply regarding the use of cell membrane and bioactive factors for IBD treatment as well as the underlying mechanisms. Also, the authors could use a new table or 1-2 figures to outline these applications to make sure the readers can understand the major meanings from these table or figures. Fig.1 and 2 could not serve this purpose well. Additionally, the reviewer suggests the following references should be involved in this manuscript. Front Immunol. 2018 Nov 9;9:2538. J Cell Physiol. 2018 Nov;233(11):8754-8766. Int Immunopharmacol. 2018 Jan;54:86-94. Int Immunopharmacol. 2019 Mar;68:204-212. J Cell Physiol. 2018 Dec 7. doi: 10.1002/jcp.27934. Inflamm Bowel Dis. 2018 Nov 29;24(12):2501-2509. Am J Transl Res. 2018 Jul 15;10(7):2026-2036. Stem Cells Transl Med. 2018 Jun;7(6):456-467. Stem Cells Dev. 2013 Mar 15;22(6):841-4.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- No



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46603

Title: Cell membrane and bioactive factors derived from mesenchymal stromal cells:
Cell-free based therapy for inflammatory bowel diseases

Reviewer's code: 02567102

Reviewer's country: New Zealand

Science editor: Ying Dou

Reviewer accepted review: 2019-03-12 02:46

Reviewer performed review: 2019-03-12 04:12

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This paper is going to provide useful information for researchers in this field. To overcome the deficiencies of current therapies for inflammatory bowel diseases, the paper addresses cell-free therapy, a topic that is of extreme importance; the usage of



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bioactive factors and surface proteins of mesenchymal stem cells to avoid the practical issues associated with the use of living cells. Manuscript type: Review article
Title. The paper title “Cell membrane and bioactive factors derived from mesenchymal stromal cells: cell-free based therapy for inflammatory bowel diseases.” reflects well what the review article is addressing, as the authors are presenting an overview of the role of bioactive factors and cell membrane proteins derived from MSC to be used as a cell-free therapy to improve inflammatory bowel diseases (IBD) treatment Abstract. The abstract summarizes extensive relevant work described in the manuscript Key words. The key words reflect the focus of the manuscript The article. The manuscript provided an adequate introduction about inflammatory bowel diseases, mesenchymal stromal cells and their use in IBD therapy as well as their use based on their immunomodulatory properties References. The review article reasonably cites the relevant, important and and some of the latest references. Quality of manuscript organization and presentation. The manuscript is well, concisely and coherently presented. The style, language and grammar are accurate and appropriate

INITIAL REVIEW OF THE MANUSCRIPT

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[] Plagiarism

[Y] No