

PEER-REVIEW REPORT

Name of journal: *World Journal of Stem Cells*

Manuscript NO: 68803

Title: Regulating the fate of stem cells for regenerating the intervertebral disc degeneration

Reviewer's code: 02446101

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor, Surgeon

Reviewer's Country/Territory: China

Author's Country/Territory: Pakistan

Manuscript submission date: 2021-06-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-06 02:44

Reviewer performed review: 2021-06-06 03:39

Review time: 1 Hour

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 Grade E: Do not publish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 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 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



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SPECIFIC COMMENTS TO AUTHORS

In this review, the authors discussed the regenerative medicine based approaches for the regeneration of Intervertebral Disc Degeneration. Most contents and the logic are good. The hierarchy is clear and the manuscript is easy to read for readers. I believe that the manuscript has certain reference value for the related researches. The topic of the manuscript falls within the scope of publication of this journal. However, there're still several issues which should be addressed. 1. The parts of "anatomical and molecular structure of intervertebral disc, and surrounding pathophysiology of the disc" are too long. Most of the contents in these parts are common knowledges and do not need to be elaborated in this manuscript. They should be deleted. 2. A section, which mainly discusses the current problems (technical aspects, ethical aspects, clinical aspects, etc) and possible solutions should be added in. 3. There are still some grammatical errors. So, revision should be recommended.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Stem Cells*

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Reviewer's Country/Territory: China

Author's Country/Territory: Pakistan

Manuscript submission date: 2021-06-04

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-07-27 06:15

Reviewer performed review: 2021-07-27 06:18

Review time: 1 Hour

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 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

The revised version is much better than the original version. So, acceptance should be recommended for this manuscript.