

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 65072

Title: Potential therapeutic applications of Mesenchymal Stem Cells for the treatment of eye diseases

Reviewer's code: 03814168

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-28 09:33

Reviewer performed review: 2021-03-08 11:03

Review time: 8 Days and 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 Grade E: Do not publish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 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

The manuscript cover an important area, the study design is beautifully established and executed. However, there is a need to improve the manuscript and make it more attractive to the authors. Title of the manuscript is generalized, It need to be focused. The heading of each section e.g Retinitis Pigmentosa need to broken down in sub heading, for MSCs transplantation, Conditioned media, coculture, and role of EVs. Limited data from literature is added, Gene modification/ overexpression data need to be added to make it more attractive to the readers. Table should be added, highlighting study findings with reference. The manuscript need to be revised in form of mechanistic finding why the stem cells improved the diseased conditioned, which signaling pathway is up or down regulated.

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 65072

Title: Potential therapeutic applications of Mesenchymal Stem Cells for the treatment of eye diseases

Reviewer's code: 02930938

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-08 11:36

Reviewer performed review: 2021-03-17 12:47

Review time: 9 Days and 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 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

SPECIFIC COMMENTS TO AUTHORS

Since the topic was reviewed recently elsewhere, it would benefit the readers if the authors can discuss about the 1. several challenges in utilizing MSCS for treatment of retinal diseases 2. compare the advantages of utilizing MSCs from one tissue source, say adipose tissue over MSCs from other tissue sources specifically for retinal diseases

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Stem Cells

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Reviewer's code: 03814168

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-27

Reviewer chosen by: Han Zhang (Online Science Editor)

Reviewer accepted review: 2021-05-09 05:22

Reviewer performed review: 2021-05-12 06:23

Review time: 3 Days and 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

The manuscript cover an important area, the study design is beautifully established and executed. The revised version is greatly improved and I am satisfied with the updated version. The provided literature review will greatly attract the readers of WJSC. This manuscript can be accepted in present form.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Stem Cells

Manuscript NO: 65072

Title: Potential therapeutic applications of Mesenchymal Stem Cells for the treatment of eye diseases

Reviewer's code: 02930938

Position: Editorial Board

Academic degree: MSc, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-27

Reviewer chosen by: Han Zhang (Online Science Editor)

Reviewer accepted review: 2021-05-10 11:52

Reviewer performed review: 2021-05-27 02:42

Review time: 16 Days and 14 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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
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SPECIFIC COMMENTS TO AUTHORS



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The authors have revised the manuscript as per the comments.