

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 65738

**Title:** Mesenchymal stem cells and COVID-19: What they do and what they can do

**Reviewer's code:** 05251363

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Assistant Professor, Staff Physician, Surgeon

**Reviewer's Country/Territory:** Turkey

**Author's Country/Territory:** Canada

**Manuscript submission date:** 2021-03-14

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-09 19:25

**Reviewer performed review:** 2021-04-09 19:35

**Review time:** 1 Hour

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish            |
| <b>Language quality</b>         | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing<br><input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| <b>Conclusion</b>               | <input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection             |
| <b>Re-review</b>                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Peer-reviewer statements</b> | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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#### **SPECIFIC COMMENTS TO AUTHORS**

I read the article commenting on the relation between the mesenchymal stem cells and COVID-19 with great interest. I find this manuscript as a well-written good review.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 65738

**Title:** Mesenchymal stem cells and COVID-19: What they do and what they can do

**Reviewer's code:** 05323461

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Research Scientist, Surgeon

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Canada

**Manuscript submission date:** 2021-03-14

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-05-06 14:27

**Reviewer performed review:** 2021-05-06 14:34

**Review time:** 1 Hour

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish            |
| <b>Language quality</b>         | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing<br><input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| <b>Conclusion</b>               | <input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection             |
| <b>Re-review</b>                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |
| <b>Peer-reviewer statements</b> | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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#### **SPECIFIC COMMENTS TO AUTHORS**

This article 'Mesenchymal stem cells and COVID-19: What they do and What they can do' by Ejlal Abu-El-Rub, Pharm.D et al. introduces the commonly reported complications of COVID-19 viral infection and the established and anticipated role of MSCs in managing these complications. Mesenchymal stem cells (MSCs) regenerative and anti-inflammatory abilities can be an innovative approach in repairing the damaged organs and improve the survival rate for critically ill COVID-19 patients. In general, this topic highlight article is very well written and organized. Methods are described carefully and a large quantity of data is presented. This article is worth being published in a scientific journal like 'World Journal of Stem Cells'.