

### **Point by Point Response:**

We would like to thank the reviewers and the editors for their valuable time they spent in reviewing our manuscript, your positive comments and constructive feedback help us in improving the quality of our manuscript.

#### **Reviewer #1:**

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

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’.

Response: We would like to thank the reviewer for his positive comments and thorough evaluation of our manuscript, we already went through the manuscript and corrected and polished the any language mistakes in the revised manuscript.

#### **Reviewer #2:**

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

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.

Response: We would like to thank the reviewer for his positive comments and thorough evaluation of our manuscript, we already went through the manuscript and corrected and polished the any language mistakes in the revised manuscript.

**Science editor:** 1 Scientific quality: The manuscript describes a Review of the Mesenchymal stem cells and COVID-19. The topic is within the scope of the WJSC. (1) Classification: Grade B and Grade B; (2) Summary of the Peer-Review Report: this topic highlight article is very well written and organized. The questions raised by the reviewers should be answered; (3) Format: There is 1 table; (4) References: A total of 100 references are cited, including 74 references published in the last 3 years; (5) Self-cited references: There is no self-cited reference. 2 Language evaluation: Classification: Grade B and Grade B. The manuscript is reviewed by a native English speaker. 3 Academic norms and rules: No academic misconduct was found in the Bing search. 4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJSC. 5 Issues raised: PMID numbers are missing in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout. 6 Recommendation: Conditional acceptance.

**Response:** We would like to thank the Science editor for his thorough and constructive evaluation of our manuscript scientific content. Regarding the reference, we added the PubMed numbers and DOI citation numbers. We refine our reference list to ensure that no preprints are there since they are not yet published and no PubMed or DOI have been assigned to them. Only reference 77 have only PubMed and PMCID number.

**Company editor-in-chief:** I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Stem Cells, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors.

**Response:** We would like to thank the Editor in Chief for his support and positive comments. We already revised our manuscript based on reviewers, Science editor comments and the journal guidelines.