

## PEER-REVIEW REPORT

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

**Manuscript NO:** 91115

**Title:** Understanding host-graft crosstalk for predicting the outcome of stem cell transplantation

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 07939965

**Position:** Peer Reviewer

**Academic degree:** Doctor

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-12-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-12-23 04:43

**Reviewer performed review:** 2023-12-23 07:12

**Review time:** 2 Hours

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<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
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The manuscript aimed at Mesenchymal stromal cells (MSCs) hold great promise for tissue regeneration in debilitating disorders. This Editorial focus on the The paper by Abu-El-Rub E et al, which about regulate stress microenvironments to improve cell survival. 1.Further checking of manuscript, such as font and spacing 2."The multifaceted aspects of the challenges point towards the necessity of approaching them by means of a holistic view where large data, computational disease modelling and perhaps the use of artificial intelligence could offer some valuable insights." can be more detailed. 3.This manuscript should pay more attention on how stress microenvironments make effect on Mscs cell survival.

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**Reviewer's code:** 05372567

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Assistant Professor, Surgeon, Surgical Oncologist

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

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

**Manuscript submission date:** 2023-12-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-12-24 02:29

**Reviewer performed review:** 2023-12-24 02:32

**Review time:** 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

This manuscript is already at a high level and may be accepted