

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 61991

Title: Feasibility of Allogeneic Mesenchymal Stem Cells in Pediatric Hypoxic-Ischemic Encephalopathy: Phase I Study

Reviewer's code: 05410953

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Chief Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: Turkey

Manuscript submission date: 2020-12-24

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-02-01 11:40

Reviewer performed review: 2021-02-04 11:00

Review time: 2 Days and 23 Hours

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 Grade E: Do not publish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
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

Authors present an open label phase study to examine the efficacy and safety of cell therapy (stem cell) in pediatric population with hypoxic-ischemic encephalopathy. I think that is very interesting both the type of treatment and the new strategy of a triple route of administration. The results in term of safety are good as well preliminary efficacy but with a small population (6 cases) with a wide age range (from 1yr to 12yrs). Then, the statistical results could be limited. Multi-center studies will be needed to confirm the safety and efficacy of SC treatment. Authors present the approval from the Turkish Ministry of Health but I can not find the registration number and name of trial registry. Page 7 line 199: you must change "demostrated" by "demonstrated".

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Professional title: Associate Professor, Chief Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: Turkey

Manuscript submission date: 2020-12-24

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-03-01 16:06

Reviewer performed review: 2021-03-01 16:20

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
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
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



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Authors have answered to the issues raised in the peer review report.