

PEER-REVIEW REPORT

Name of journal: World Journal of Transplantation

Manuscript NO: 62228

Title: Transplantation of CD34+ cells for myocardial ischemia

Reviewer's code: 03565104

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: France

Manuscript submission date: 2021-01-29

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-31 02:10

Reviewer performed review: 2021-02-01 02:32

Review time: 1 Day

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 Grade E: Do not publish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 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 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

This mini-review mainly discusses the role of CD34+ cell transplantation in acute myocardial infarction, refractory angina and ischemic heart failure. Some details are needed to better this mini-review: 1. What factors causes the migration of CD34+ cells from the bone marrow to the peripheral blood? 2. Page 5, paragraph 1, the author mentioned the production of exosomes. Please talk more about the role of exosomes in angiogenesis. 3. As ischemia pre/post-conditioning is beneficial for myocardial ischemia, will CD34+ cells also play a role in the processes? Please discuss this briefly.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Author's Country/Territory: France

Manuscript submission date: 2021-01-29

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2021-03-02 04:32

Reviewer performed review: 2021-03-02 04:42

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

I suggest that the the audio file would be recorded by a native speaker, but it is not a big



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problem.