



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 55793

Title: Mechanotransduction of stem cells for tendon repair

Reviewer's code: 05029935

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-04-04 06:23

Reviewer performed review: 2020-04-14 09:14

Review time: 10 Days and 2 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 Grade E: Do not publish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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input 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

Manuscript NO: 55793 Title: Mechanotransduction of stem cells for tendon repair
Authors List: Hao-Nan Wang, Yong-Can Huang, Guo-Xin Ni This is an interesting and meaningful review paper. There are some issues that must be addressed, in order to show that the manuscript support the conclusions. Since this is the review and summary paper, I would like to suggest you to make 2-3 tables for the better and fast understanding for the readers, especially to distinguish the TSPCs from other BM-MS and ASC including their advantages and disadvantages. Please give more detailed information for “normal loading” and “abnormal loading” in tendon injuries in “Mechanical response of stem cell/progenitors for tendon repair” section (page 8, line 11-14). In conclusion section, (page 15 line 2) the word “method” does not seem to fit this paper, since authors are describing the all sources of stem cells and their molecular mechanism for tendon repair. Please choose another term. Please add more explanations the differences between TSPCs and TDSCs.