

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 65746

Title: Advanced glycation end productions and tendon stem/progenitor cells in the pathogenesis of diabetic tendinopathy

Reviewer's code: 03830173

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: China

Manuscript submission date: 2021-04-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-20 10:36

Reviewer performed review: 2021-04-20 11:04

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 Grade E: Do not publish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 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

Dear Authors, the manuscript is well organized and summarizes current knowledge on diabetic tendinopathy. Moreover, based on own findings and other authors' investigations you give the insight on molecular-level events within the diabetic tendons, and argue the role of AGEs and TSPCs in development and progression, as well as future therapeutic target. I find your review of interest for readership.

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 65746

Title: Advanced glycation end productions and tendon stem/progenitor cells in the pathogenesis of diabetic tendinopathy

Reviewer's code: 05947685

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Lecturer

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2021-04-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-20 03:35

Reviewer performed review: 2021-04-24 18:37

Review time: 4 Days and 15 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 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

SPECIFIC COMMENTS TO AUTHORS

In this manuscript, the authors reviewed and discussed the effects of AGEs and the roles of TSPC in the development of diabetic tendinopathy. The topic is of interest and importance to the field. Manuscript is generally well written and English presentation is readable and clear. However, there are some points need to be clarified and addressed.

1. As the title of manuscript is “Advanced Glycation End Productions (AGEs) and Tendon Stem/Progenitor Cells in the Pathogenesis of Diabetic Tendinopathy”, but the description of the relationship between AGEs and their effect in TSPC biology is quite weak. The authors need to emphasize the reported mechanisms how AGEs alter or affect the physiological roles of TSPC since in the present manuscript, it is separately discussed and difficult to find their associations. 2. In the section of “AGEs induce cellular events in tendon cells”, the authors should emphasize and give information in details when refer to TSPC or other tendon cells. The reported or suspected molecular mechanisms should be provided. Since in this version, there were some details of molecular mechanisms underlying other AGEs induced diabetic complications, but a little on tendinopathy were explained. If there is no report, a clear statement should also be given. 3. Please briefly explain how different between AGE2 and AGE3 is in the manuscript. The mechanisms of AGEs generation under diabetic conditions may be useful for the reader to follow the story. 4. In the section “AGEs alter the biomechanical properties of tendon”, in addition to the studies in animal, are there any studies on human tissue? This information should be described. 5. Please make sure the full spelling of BG and MSC is given when they are first used.