

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 57237

Title: Urine-derived Stem/progenitor Cells: a focus on their characterization and potential

Reviewer's code: 02444715

Position: Peer Reviewer

Academic degree: FRSC, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: France

Manuscript submission date: 2020-05-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-30 18:44

Reviewer performed review: 2020-05-30 18:50

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

the paper: Urine-derived Stem/progenitor Cells: a focus on their characterization and potential is a review article The topic is very important and very interesting More technical details about isolation and cell expansion are needed in the paper to make it useful for all readers The paper need major language review Clinical results can be reviewed and put in a table

PEER-REVIEW REPORT

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Title: Urine-derived Stem/progenitor Cells: a focus on their characterization and potential

Reviewer's code: 03550401

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: France

Manuscript submission date: 2020-05-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-01 02:39

Reviewer performed review: 2020-06-02 14:41

Review time: 1 Day and 12 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 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

It's a well-structured, well-written review focusing on characterization and potential of urine-derived stem cells. The authors divided this review into three parts. They firstly described the isolation procedure of USCs and summarized phenotype and differentiation capacity of USCs in several published literature. Then, in the second part, they presented and discussed the main applications of USCs. In the last part, they discussed the remaining barriers and challenges in the field of USC-based regenerative medicine. The coverage of this article is very wide and the authors also put forward some of views and opinions on USC. In addition, the tables and figure are well-conducted. However, there have been some published reviews describing the biological characteristics and differentiation potential of USC and possible uses in regenerative medicine [1]. As a novelty paper, it's important to avoid repeated discussions and make new summaries and comments on the content of published articles. So, could you briefly summarize the advantages of this article and how it attracts more readers compared to other reviews? [1] Bento G, Shafigullina AK, Rizvanov AA, Sardão VA, Macedo MP, Oliveira PJ. Urine-Derived Stem Cells: Applications in Regenerative and Predictive Medicine. *Cells*. 2020;9(3):573. Published 2020 Feb 28. doi:10.3390/cells9030573 Minor issues: There is no corresponding reference in the introduction part. For example, "In addition, despite a huge amount of in vivo works... in the hematologic field" and "They have been used for cell-based regeneration strategies... beneficial effects.", these sentence may need references. Table 2. It is better to display only one name for the same cell types, that is, to merge cells with the same content into one cell. In that way, readers can clearly see all the cell types of USC differentiation.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Stem Cells

Manuscript NO: 57237

Title: Urine-derived Stem/progenitor Cells: a focus on their characterization and potential

Reviewer's code: 02444715

Position: Peer Reviewer

Academic degree: FRSC, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: France

Manuscript submission date: 2020-05-29

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-28 19:03

Reviewer performed review: 2020-07-28 19:05

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Now I think the paper is more informative with details about the technique and application. The language still needs a major revision.

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Position: Editorial Board

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Reviewer's Country/Territory: China

Author's Country/Territory: France

Manuscript submission date: 2020-05-29

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-28 10:17

Reviewer performed review: 2020-07-31 01:27

Review time: 2 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
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SPECIFIC COMMENTS TO AUTHORS



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The authors addressed all comments. No additional comments.