

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 52418

Title: Differentiated vascular smooth muscle cells, using human platelet lysate, as a source of cells for small blood vessel engineering

Reviewer's code: 00031349

Position: Editorial Board

Academic degree: FAHA, MD, PhD

Professional title: Assistant Professor, Senior Scientist

Reviewer's country: United States

Author's country: Greece

Manuscript submission date: 2019-11-01

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2019-11-05 15:41

Reviewer performed review: 2019-11-25 15:11

Review time: 19 Days and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study is novel and important. The following addition experiments might be helpful to further support the conclusion. Minor comments: Figure 1. Checked senescent cells in Passage 4. Please determine the percentage of tri-lineage cell types. Figure 2. Determine VSMC marker protein levels using immunoblotting and analyze the capacity of VSMC proliferation, migration or invasion. Figure 3. locate the SMC markers such as alpha-smooth muscle action and calponin etc. Figure 3. Determine Cell cycling related protein of PCNA and Ki67 in VSMCs using dual labeling.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 52418

Title: Differentiated vascular smooth muscle cells, using human platelet lysate, as a source of cells for small blood vessel engineering

Reviewer's code: 00906911

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: South Korea

Author's country: Greece

Manuscript submission date: 2019-11-01

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2019-11-25 10:08

Reviewer performed review: 2019-12-04 23:08

Review time: 9 Days and 13 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input 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

Generally, the composition of this paper appears to be sound. But it would be needed to present the analysis comparing the results of this study between those using common protocols related to the topic of this study. The supplementation might improve the originality and value of this article.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No