

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 52804

Title: Ability of human umbilical cord mesenchymal stem cells to repair chemotherapy-induced premature ovarian failure

Reviewer's code: 03478635

Position: Editorial Board

Academic degree: PhD

Professional title: Senior Research Fellow

Reviewer's country: Japan

Author's country: China

Manuscript submission date: 2019-12-01

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2020-01-08 00:02

Reviewer performed review: 2020-01-08 04:37

Review time: 4 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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 checked="" type="checkbox"/> Anonymous
<input checked="" 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 is an interesting study about the effect of umbilical cord mesenchymal stem cells to repair the ovarian injury. The Tables 2, 3 and 4 may be revised in the graph format. The description about p value is not clear in the table.

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: 52804

Title: Ability of human umbilical cord mesenchymal stem cells to repair chemotherapy-induced premature ovarian failure

Reviewer's code: 02208246

Position: Peer Reviewer

Academic degree: FACG, MD, PhD

Professional title: Professor

Reviewer's country: United States

Author's country: China

Manuscript submission date: 2019-12-01

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2019-12-15 03:21

Reviewer performed review: 2020-01-09 00:36

Review time: 24 Days and 21 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input 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 is an interesting study about the ability of hUCMSCs in the repair ovarian injury after chemotherapy. The treatment widely used for premature ovarian failure is mainly hormone replacement therapy. However, hormone replacement therapy mainly improves clinical symptoms, and it is impossible to fundamentally treat or repair damaged ovarian tissue, and long-term application of hormone replacement therapy can easily lead to side effects such as cardiovascular and cerebrovascular diseases, so hormone replacement therapy has not yet achieved satisfactory therapeutic effects. MSC therapy has been considered as a treatment for repairing damaged tissues and reconstructing normal tissue function. hUCMSCs have many advantages, such as easy collection, low immunogenicity, no tumourigenicity and no ethical restrictions, thus bringing hope to improve ovarian function and restore fertility in patients with premature ovarian insufficiency and premature ovarian failure. This study is well designed. The methods are very clear, and the results are very interesting. I have some minor comments: 1. The manuscript requires a minor language editing. 2. Tables require editing. 3. Is there any limit of this study? Please make a short discussion. 4. The references list is updated, but requires an editing.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
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- ☐ Plagiarism
- ☐ No



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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 52804

Title: Ability of human umbilical cord mesenchymal stem cells to repair chemotherapy-induced premature ovarian failure

Reviewer's code: 00843998

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: United Kingdom

Author's country: China

Manuscript submission date: 2019-12-01

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2019-12-15 03:20

Reviewer performed review: 2020-01-09 00:40

Review time: 24 Days and 21 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Sorry for the delay of reviewing. This study is very interesting. The study is well designed, and the results are interesting. The manuscript should be proofed carefully. There are some minor language polishing, which require an editing. No other comments.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No