

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 53648

Title: Mesenchymal stem cell-derived extracellular vesicles as a new therapeutic strategy for ocular diseases

Reviewer's code: 03814168

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's country: Pakistan

Author's country: China

Manuscript submission date: 2019-12-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-28 03:43

Reviewer performed review: 2020-01-07 07:49

Review time: 10 Days and 4 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 type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input checked="" 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 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

This is good quality review article on the specific topic, It will provide unique information on stem cells derived ECV role in eye regeneration research.

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: 53648

Title: Mesenchymal stem cell-derived extracellular vesicles as a new therapeutic strategy for ocular diseases

Reviewer's code: 00680693

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's country: Italy

Author's country: China

Manuscript submission date: 2019-12-27

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2020-01-03 18:19

Reviewer performed review: 2020-01-20 11:57

Review time: 16 Days and 17 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 checked="" type="checkbox"/> Grade B: Very good	<input 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

I think that this review is very interesting, in fact I think it describes the knowledge published so far on MSC-EVs applications in eye disease very thoroughly. I think the characteristics of MSC-EVs are well described in the paragraph dedicated to their characterization, indeed they describe very well the different sources, the differences in size, their cargos, the biogenesis and their roles. They describe MSC-EVs applications in various eye diseases, corneal defects, uveitis, glaucoma, idiopathic macular hole, retinal diseases or injuries and diabetic retinopathy. They also describe the possible applications of MSC-EVs as drug delivery system in ophthalmology, a very novel and interesting topic. In the chapter dedicated to corneal defects, they mention the epithelium and the stromal defects but they don't mention the endothelial layer which is the one that is most commonly damaged during cataract surgery, It would be interesting to add something about it.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ Plagiarism
- ☐ No

BPG Search:

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- ☐ Plagiarism



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[Y] No