

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Diabetes

ESPS manuscript NO: 13711

Title: Molecular mechanisms of AGE/RAGE-mediated extracellular matrix accumulation and fibrosis in the heart in type 2 diabetes mellitus

Reviewer code: 00674619

Science editor: Yue-Li Tian

Date sent for review: 2014-08-29 17:30

Date reviewed: 2014-09-08 21:53

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Detailed comments for transmission to the authors, Doctor Zhao and her (his) collaborators present in this manuscript a very important issue concerning one of the major fibrotic signaling pathways, AGE/RAGE signaling cascade, and proposes an alternate Rap1a pathway to offer insight into diabetic cardiovascular extracellular matrix (ECM) remodeling. The manuscript is well structured and organized in chapters with a detailed presentation of the data in the literature. The authors expressed their points clear and developed them, finding a lot of articles backed by evidence (examples) to support or not their results. They also had a critical thinking and a well-organized writing. The manuscript is very well built, it is state-of-the-art and the presented results are of potential interest for a wide readership, therefore I recommend publication in 'World Journal of Diabetes'.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Diabetes

ESPS manuscript NO: 13711

Title: Molecular mechanisms of AGE/RAGE-mediated extracellular matrix accumulation and fibrosis in the heart in type 2 diabetes mellitus

Reviewer code: 01919991

Science editor: Yue-Li Tian

Date sent for review: 2014-08-29 17:30

Date reviewed: 2014-09-09 21:00

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The manuscript is very interesting. It deals with the cross-talk between AGE/RAGE signaling cascades and extracellular matrix (ECM) accumulation in order to activate cardiac fibroblast in diabetes, thus leading to cardiac fibrosis. The Authors review the main studies on the AGE/RAGE signaling cascade, as well as propose an alternate pathway via Rap1a involved in fibrotic diabetic hearts. The manuscript is well written and designed and the topic might be of interest for a wide categories of readership