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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry
ESPS manuscript NO: 18404
Title: Metabolic interplay between glycolysis and mitochondrial oxidation: the reverse Warburg effect and its therapeutic implication
Reviewer's code: 02608938
Reviewer's country: United States
Science editor: Yue-Li Tian
Date sent for review: 2015-04-21 16:01
Date reviewed: 2015-05-05 03:08

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[Y] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[Y] Accept
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Drs. Lee and Yoon in this manuscript briefly examined recent development of the concept of Warburg effect, energy production and mitochondrial oxidation in cancer development following the newly generated hypothesis of reverse Warburg effect in cancer. This review is well written and information is timingly critical for both clinic and basic research. I suggest to publish this manuscript.

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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry
ESPS manuscript NO: 18404
Title: Metabolic interplay between glycolysis and mitochondrial oxidation: the reverse Warburg effect and its therapeutic implication
Reviewer's code: 00467103
Reviewer's country: Italy
Science editor: Yue-Li Tian
Date sent for review: 2015-04-21 16:01
Date reviewed: 2015-05-04 21:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[Y] Accept
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The manuscript by Lee and Yoon is an interesting review that summarizes " The reverse Warburg effect" and its therapeutic implication. The overview described is appropriate and exhaustive.

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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry
ESPS manuscript NO: 18404
Title: Metabolic interplay between glycolysis and mitochondrial oxidation: the reverse Warburg effect and its therapeutic implication
Reviewer's code: 02790548
Reviewer's country: Lebanon
Science editor: Yue-Li Tian
Date sent for review: 2015-04-21 16:01
Date reviewed: 2015-04-30 13:56

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The paper of Lee and Yoon gives a brief overview on the conventional "Warburg effect" versus oxidative mitochondrial metabolism and the suggested combination treatment strategy targeting both the metabolic pathways of glygolysis and mitochondrial OXPHOS. This is an important task and such a review will be for the benefit of the reader of WJBC although it has been extensively reviewed in the literature especially the interference of the reverse Warburg effect and its therapeutic benefits. What we need to see now, as a matter of priority, are the clinical trials necessary to prove that the suggested strategy is correct and that the proposed therapies show benefit to patients. Although the review is generally well written, there are a number of relatively minor concerns, including some editorial points that could be corrected (although these mostly do not seriously affect comprehension). 1- Figure legends do not adequately describe figures and need more detail throughout. 2- Figure 1: 38 ATPs generated from the complete oxidation of 1 mole of glucose is over estimated. It is maximum 32 moles of ATP. This should be either corrected or removing the number of ATP produced. 3- Figure 5 is not clear and not relevant to the text. Suggest removing it.