

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 54999

Title: Sodium Glucose Co-transporter 2 inhibition reduces succinate levels in diabetic mice

Reviewer's code: 00503199

Position: Peer Reviewer

Academic degree: BM BCh, MD

Professional title: Chief Doctor, Doctor

Reviewer's Country/Territory: Greece

Author's Country/Territory: Australia

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Reviewer chosen by: Jin-Zhou Tang (Quit in 2020)

Reviewer accepted review: 2020-04-05 16:14

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" 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

Comments of this reviewer are: - Provide in the methods section how many mice of each type and for each SGLT2 inhibitor were used in each experiment. - Figure 3 shows that succinate is reduced and SCFA are increased in Akimba and Akita, respectively, mice treated with dapagliflozin, but not with empagliflozin. Supplementary fig 1 shows reduction of succinate in empagliflozin treated Akimba mice, but we don't know if this is statistically significant. Why you did not include suppl fig 1 in fig 3A, like you did in fig 3b? I would suggest also, to mention in the figures 3A and 3B that you refer to Akimba and Akita mice respectively (not only in the legend). (The same for figures 4, 5). In addition, include suppl. Fig 2 in Figure 5B - You need to comment that empagliflozin and dapagliflozin had not, both of them, the same effects in the different parameters studied and in the different mice species.