Reviewer's report

Title: Postoperative Tight Glycemic Control Reduces Postoperative Infection In Patients Undergoing Surgery: A Meta-Analysis

Version: 1 Date: 11 Mar 2018

Reviewer: Mario Luca Morieri

Reviewer's report:
Dear Authors,

thanks for your replies to my previous comments.

However as highlighted by your reply to Dr. Cavallari comments on statistical power, this study seems to report an under-powered analysis with negative result that might represent false negative findings on the main outcome.

Indeed the main outcome of this paper is the analysis on mortality (eligibility criteria --> English study, treatment with postoperative TGC; and assessed mortality endpoint).

At the same time Authors says that the study is 80% powered to detect a RR of 0.48, while instead they anticipate to have a RR of 0.66 (6.9 to 4.7 % reduction with TGC). Authors actually got a RR for TGC that indeed is not too far from the anticipated result, with a RR 0.769, 95% CI 0.464 to 1.275 (in particular if you look at the 95% C.I.). For this reason this study may shows a false negative results on the main outcome and only some positive association on secondary outcomes.

If mortality is not the main outcome, then the question is, is there any other studies focused on other outcomes e.g. on infection and hypoglycemia risk, that were not included in this meta-analysis only because did not report mortality rate?

If not, I would strongly suggest to report in the results first the results on mortality and then other outcomes. Anyway power analyses should be specified in the manuscript and Authors should disclose the they were powered only to identify a very large effect on mortality of TCG (RR 0.48).
Please note that additional language corrections are needed due to spelling and grammar mistake (e.g. line 3 page 9; line 9 page 4; table 2 events ...).

Thanks

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.
Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.
Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.
Yes

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