Reviewer’s report

Title: Dexmedetomidine Prevents Acute Kidney Injury After Cardiac Surgery: A Meta-analysis of Randomized Controlled Trials

Version: 1 Date: 26 Nov 2017

Reviewer: Alessandro Belletti

Reviewer's report:

Dr. Chen and colleagues submitted a revised version of their meta-analysis on the effect of dexmedetomidine on AKI in cardiac surgery.

The Authors adequately addressed all my comments. After reading the revised version of the manuscript, I have only one final suggestion which I think might improve the manuscript:

considering new results displayed in Table 5, I think that a few lines may be added to the discussion to comment some of the subgroup analyses:

- possibly more effective with no loading dose and at low continuous infusion dose
- possibly more effective with pre/intraoperative administration
- possibly effective as compared with placebo but not against other treatments

These could be interesting issues to be investigated in future trials

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?
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Yes
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I am able to assess the statistics

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Please indicate the quality of language in the manuscript:

Acceptable

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