Author’s response to reviews

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

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Editor Comments:

1. pag 8 line 12 > the sentence is incomplete, as you write "proportion of (≥60% versus < 60.0%)”. What do you mean?

Re: Sorry for the missing information. We have revised it as “proportion of male”(Page 8 ,Line 5)

2. correct abbreviations: you write 60.0 in more sentences in the manuscript > please abbreviate as 60

Re: Thank you for the advices. We have revised these information according to your suggestion. (Page 8 ,Line 5,7) (Page 24,Table 5)

3. instead of writing that dex is possibly effective on some outcomes, whose p value is not significant, please write that "a trend toward XXX was observed, although not statistically significant

Re: Thank you for the advices. We have revised it as followed: “A trend toward reduction of postoperative MV duration (8 studies WMD, -0.22; 95%CI, -2.04 to 1.70; P=0.81; I2=68%; Figure 5), ICU stay(8 studies; WMD, -0.85; 95%CI, -2.14 to 0.45; P=0.20; I2=0%; Figure 6) and hospital stay (6 studies; WMD, -0.24; 95%CI, -0.71 to 0.23; P=0.32; I2=55%; Figure 7) by
dexmedetomidine was observed, although there were not statistically significant.” (Page 9, Line 2-6)

4. please soften the tones of the conclusion. You now write: “In summary, available evidence from the present meta-analysis suggests that perioperative administration of dexmedetomidine in adult cardiac surgery reduces the incidence of AKI.” Please rephrase and write "might reduce" instead

Re: Thank you for the advices. We have revised it as followed: In summary, available evidence from the present meta-analysis suggests that perioperative administration of dexmedetomidine in adult cardiac surgery might reduce the incidence of AKI. (Page 13, Line 1)