Reviewer’s report

**Title:** Intravenous dexmedetomidine pre-medication reduces the required minimum alveolar concentration of sevoflurane for smooth tracheal extubation in anesthetized children: A randomized clinical trial

**Version:** 0  **Date:** 01 Oct 2017

**Reviewer:** Angela Amigoni

**Reviewer's report:**

This paper evaluated the efficacy in obtaining a smooth extubation with a reduction of MAC concentration of sevoflurane. The study was conducted in children. It is è single center study.

The paper is well written, clear and complete. The results of the study is interesting because the effect of the reduction depends on the adopted dose of dexmedetomidine.

Few points could be modified.

Methods: a Figure may be useful to make the protocol easier to understand It would be interesting to include the incidence of an other complication: emergence delirium

Please underline in the Discussion the original point of interest of this study (as other studies have investigated the effect of dexmedetomidine during extubation end during sevoflurane administration): the dose depending effect

Table 2: I suggest to make the P significance in a column because the * and the other symbols make the comprehension less immediate for the reader

4. Figure 1,2,3 are not necessary
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

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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