**Reviewer’s report**

**Title:** Antinociceptive effects of magnesium sulfate for monitored anesthesia care during hysteroscopy: a randomized controlled study

**Version:** 1  **Date:** 19 Jun 2020

**Reviewer:** Patrice Forget

**Reviewer's report:**

Dear authors,

Thanks for resubmitting an improved version of your manuscript.

Specific comments:
- This reviewer agree with the reviewer 1 regarding the overstatement of 'multimodal analgesia' and would suggest to the authors to be factual, changing the title to 'Magnesium sulphate in patients undergoing hysteroscopy: a randomized controlled study'; and deleting the wording 'multimodal analgesia'.
- This reviewer would be happy to see in the limitations sections the statement that, actually, the use of magnesium limited the patients movements first, and indirectly the use of fentanyl, and, lastly, the postoperative pain outcomes.

But these pain outcomes may have been modified by the use of fentanyl more than by the use of magnesium. To solve this difficult question, there are two possibilities for exploratory analyses: First, a mediation analysis incorporating these variables. Alternatively, conducting a GEE (Generalized Estimating Equations) could be suggested as a non-parametric alternative for ANCOVA (to explore the effect of magnesium on postoperative pain outcomes, adjusted on the fentanyl as a covariate).

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Yes

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

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