**Reviewer’s report**

**Title:** Doxapram alleviates low S p O2 induced by the combination of propofol and fentanyl during painless gastrointestinal endoscopy

**Version:** 1  **Date:** 06 Jun 2019

**Reviewer:** Alessandro Belletti

**Reviewer's report:**

Dr. Xin and colleagues have now submitted a revised version of their manuscript. Most of my comments have been adequately addressed; however, there are still some issues that require to be fixed by the Authors

1. The Authors have not replied to my comment on EtCo2 monitoring. Please comment in the manuscript whether EtCO2 monitoring was used or not

2. Thanks for presenting data on doxapram adverse effects. However, please add these data in a table or within the Results section as well

3. I still do not clearly understand how sample size was calculated. I do not understand why the Authors did not present in the manuscript the data they report in the Reply to my previous comment. Furthermore, it is still unclear to me which power they used in sample size calculation (90% or 75%).

4. Please provide details in the Methods section regarding the methods for random sequence generation, as well as for allocation concealment. Please specify whether outcome assessor were blinded to study group assignment as well

5. Please provide a figure with the study flow-chart as per CONSORT recommendations

6. Please clearly define the primary outcome of the study in the Methods section

7. Please provide at least one reference for doxapram mechanism of action

8. The following sentence is not correct: "...ask for diagnostic painless gastrointestinal endoscopy; voluntary to participate the study with informed consent”. I would rather suggest "scheduled for diagnostic gastrointestinal endoscopy; provision of written informed consent"

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

No
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.

I am able to assess the statistics

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

Needs some language corrections before being published

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