Reviewer’s report

Title: Reliability of pleth variability index in predicting preload responsiveness of mechanically ventilated patients under various conditions: a systematic review and meta-analysis

Version: 0 Date: 15 Feb 2019

Reviewer: Carla Todaro

Reviewer’s report:

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Pag 1

1) should report the acronym ROC

Pag 2

2) the English can be improved

Pag 3

3) see previous note

4) This concept is not clear... Can be expressed differently?

Pag 4

5) Add year

Pag 5

6) Confusing... I suggest to reorganize it
7) The various patient's population included represents, (because the different physiological patterns and characteristics of this), an huge bias in this study.

Pag 6

8) Not necessary this clarification

9) discussion with third reviewer?

10) Please review how to report the data extraction

Pag 7

11) write also extended form

12) and do you mean DOR instead?

Pag 10

13) I suggest to report the results in a simplified way:

- organize the results in categories

- lists it cleary

-eliminate not useful statistical data from the report


In case of disagreement a third reviewer should assess the data.

The studies included having different population's categories shouldn't analyzed in a single systematic review and metanalysis, I suggest to restrict the study at one category in order to avoid biases.

Because the methods are not adequate also the conclusions consequently results simplified.

**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.

No

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

No

**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 recommend additional statistical review

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

Not suitable for publication unless extensively edited

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