Reviewer’s report

Title: The Triple Variable Index combines information generated over time from common monitoring variables to identify patients expressing distinct patterns of intraoperative physiology.

Version: 0 Date: 07 Aug 2018

Reviewer: Elias Rizk

Reviewer's report:

This is an interesting analysis and development of a new intraoperative tool to reveal key information intraoperatively and affect patient outcome over time.

This method was based on an analysis of a very large cohort that allowed the authors to reach significant conclusions. The next step is to use the TVI as a positive or negative predictive value in different hospital settings to predict patient outcomes. If this is found to be significant then this would be ideal since intraoperative monitoring tool to allow anesthesiologist interventions to directly affect outcomes.

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.

No

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:

Acceptable

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