Reviewer’s report

Title: The ability of left ventricular end-diastolic volume variations measured by TEE to monitor fluid responsiveness in high-risk surgical patients during craniotomy: a prospective cohort study

Version: 0  Date: 17 Aug 2017

Reviewer: Cigdem Beyoglu

Reviewer's report:

1. In page 6 line 59, authors declare that 70% of patients were hypotensive. This sentence is not clear, were the patients hypotensive before surgery, or before colloid infusion?

2. Authors should explain the detailed techniques for echocardiography and the position of the probe during TEE.

3. Authors should give information about the patients' position during surgery, were they all supine positipn or sitting position? Because it may also affectthe TEE technique

4. Evaluation of SVV with FloTrac/Vigileo system requires only intraarterial cannulationwhich is also a necessity for intracranial mass and aneurysm operatios. So authors should clarify and emphasize the advantages of TEE compared to SVV evaluation in the meaning of invasiveness, ease of application of the technique and other superiorities

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.

I recommend additional statistical review

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

Needs some language corrections before being published

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