Reviewer’s report

Title: Echocardiographic Predictors of Intraoperative Right Ventricular Dysfunction: A 2D and Speckle Tracking Echocardiography Study

Version: 0 Date: 17 Apr 2019

Reviewer: Francesco Ferrara

Reviewer’s report:

Rong et al described global and regional RV function in intraoperative setting of elective cardiac surgery. They demonstrated that RV function decline and that only 2D STE of RV predicts post operative RV dysfunction. The manuscript is very interesting and is well written.

The data supporting the accuracy of the methods are largely impressive although some points could be clarified and other reported:

1. Morpho-structural pre and post-operative changes in RV and RA dimensions (diameters, area, volumes) This is important to have informations about loading changes that may affect RV function.

2. Pulmonary flow data (RVOT AT, PVR and cardiac output)

3. inter-intraobserver variability of 2D strain measurements

4. Biomarkers (BNP)

Level of interest
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An article whose findings are important to those with closely related research interests

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

Acceptable

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