Reviewer’s report

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

Version: 0 Date: 04 Feb 2019

Reviewer: Benedetta De Chiara

Reviewer’s report:

The article clearly depicts the need of a multi-parametric evaluation of RV and its importance in the management of pts, even though 2D RV strain has a huge literature lasting 10 yrs (this could be a major point, the lack of originality).

Nevertheless it is valuable since: the intraoperative setting is often less considered than the postoperative one; the strain analysis was performed with a vendor-independent software; the authors found that post procedure RV dysfunction is closely linked to altered RV free wall contraction rather than interventricular septal function.

Two minor issues:

-38% with pre-op FAC<35% it's a not limited number, especially if 43% of pts underwent surgery for aortic graft only. Nevertheless the authors found that operation type had no impact on RV function

-I suggest to delete hyperlipidemia in Table 1 (no logical explanation for the link with RV dysfunction)

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

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