Reviewer’s report

Title: Preoperative left ventricular ejection fraction and left atrium reverse remodeling after mitral regurgitation surgery

Version: 1 Date: 6 September 2014

Reviewer: André Schmidt

Reviewer’s report:

The article entitled “Preoperative left ventricular ejection fraction and left atrium reverse remodeling after mitral regurgitation surgery” is well written and investigates an interesting topic with clinical relevance. Some aspects need more clarification

- Major Compulsory Revisions

1. You considered only repair versus replacement as a categorical variable. Did you considered comparing mechanical and biological prostheses? If not, can you provide a comment?

2. Also, a mechanical valve may present a residual gradient. Have you considered comparing the diastolic gradients and LARR?

- Minor Essential Revisions

1. Please correct the word in Page 6, second paragraph: values, not VALES.

2. Were all patients in sinus rhythm after surgery? A comment must be insert since it may be a factor affecting remodeling.

3. Please comment if any kind of surgical atrial reduction was performed. If so, how you considered these cases in postoperative analysis?

- Discretionary Revisions

none.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests