Reviewer’s report

Title: Hypertension, mitral valve disease, atrial fibrillation and low education level predict delirium and worst outcome after cardiac surgery in older adults.

Version: 1 Date: 18 Dec 2017

Reviewer: Ary Serpa Neto

Reviewer’s report:

Most of my comments were properly addressed. However, there are still some issues:

1. The authors still present the number of patients and the period of recruitment in the Methods. As stated in my previous comments, I don't think this is a good approach. For example, CONSORT guideline recommends the inclusion of these informations in the Results only. If the authors prefer to report it in the Methods I kindly ask a good justification.

2. The diagnosis of delirium by DSM-IV should be done by a psychiatrist or neurologist, as described in the DSM-IV description and done in other studies. I suggest including an explanation that this was done by a physician but not a neurologist or psychiatrist.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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 am able to assess the statistics

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

Acceptable

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