Reviewer’s report

Title: The association of sleep disordered breathing with left ventricular remodeling in CAD patients: a cross-sectional study

Version: 0  Date: 12 Dec 2016

Reviewer: Theodore Ng

Reviewer's report:

The paper is essentially an association study examining the relationships between sleep apnea and LV remodeling in a CAD cohort. Overall, the study is sound and utilized appropriate and standard statistical methodologies for their data analyses. Their findings and conclusions are consistent with some studies in this field but therein lies the issue as to whether the data is novel or largely derivative. A key sentence to emphasize the novelty of the data would support publication of the paper.

The strongest limitation of the study is its cross-sectional design from which causal conclusions cannot be derived, though this does not preclude the paper from publication as the authors have already noted, the field is populated with inconsistent findings from differing cohorts. As such, the data in this study warrants interest.

Mechanisms in Discussion were mostly adequate. Ideally, a working hypothesis for the current understanding of sleep apnea and LVH (if any) would provide a better framework to better understand the data.

Minor points:

1. Overall, the paper is relatively well-written with occasional syntax and grammatical oddities that require editing. This will improve the flow of the paper. There were instances where I have had to stop and re-read sections to gain a better understanding of the content.

2. Check for typos and occasional syntax in Tables and text (eg: Table 4 P-value for LVEDD and Line 317 text).

3. Figure 1 appears redundant if same data is shown in Table 4 unless for visual effect.

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 am able to assess the statistics

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

Needs some language corrections before being published

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