Author's response to reviews

Title: Left atrioventricular remodeling in the assessment of the left ventricle diastolic function in patients with heart failure: a review of the currently studied echocardiographic variables.

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Dear Mr Editor

Egregio Dottore Eugenio Picano

The authors would like to address the following:

Besides a complete review of form, typing errors and some English corrections made the answer to the reviewers are as it follows.

To reviewer 1:

1. Abstract was written.

2. The IVRT in figure 1 was correctly positioned.

3. The terms dysfunction, relaxation deficit and pseudonormal were corrected in the figure 3.

4. The two articles suggested by the reviewer were included on the manuscript discussion (references 9 and 16).

To reviewer 2:

1. The manuscript was changed and probably is now more adequate and
probably better focus as pointed out by the reviewer.

2. The title was modified to support clear information about the article content.

3. We added information about the ESC Heart Failure Guidelines and there it is a quoting about what is considered well established by AHA-ACC Heart Failure Guidelines.

4. The authors would like to clarify that this manuscript is not exclusively about diastolic heart failure. We sought to discuss about diastolic function and dysfunction in patients with heart failure, so we suppose that is not necessary to include the ESC opinion about diastolic heart failure.

5. In the case of a suggestion to focus in the practical parameters to assess the atrial geometry and function, we would like to point that we not aimed to discuss the classics or the new parameters, but we would like to present a different point of view, in almost a philosophical way, about the importance in considering the atrioventricular remodeling in the context the evaluation of diastolic function in a heart failure population.

Best regards

Marco Torres, MD, PhD