Author’s response to reviews

Title: Value of dual Doppler echocardiography for prediction of atrial fibrillation recurrence after radiofrequency catheter ablation

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Response to Editors for Manuscript ID BCAR-D-19-00477R2

1. In your “ethics approval and consent to participate” section, please confirm that written informed consent was obtained from all participants in your study.

We thank the Editor for the excellent suggestion. We confirm that written informed consent was obtained from all participants in our study.

As it now reads“The study complied with the Declaration of Helsinki and was approved by the Ethics Committee of Harbin Medical University. All subjects were provided with a written informed consent form prior to the start of the study” (Declarations section, line 320-323, page 15).

2. We note that the second paragraph in the Study Protocol section have been reused from previous publications, [https://doi.org/10.1253/circj.CJ-11-0703] and [https://doi.org/10.1111/j.1540-8175.2007.00493.x]. While we understand that the methodology is the same, we would appreciate if you try to minimise direct repetition of large sections of previously published text. Please ensure that you summarize the methods and cite the source.
We thank the Editor for the constructive suggestions. I have minimised direct repetition of large sections of previously published text and cited the source.

As it now reads “As shown in Figure 2, two doppler sampling lines were placed

at the tips of the mitral leaflets and mitral annulus, first at the lateral and then at the septal corners of mitral annulus, we obtained E/e'(L) and E/e'(S) in identical cardiac cycles” and

Placed the M-mode cursor with the pulsed sample volume in the center of the mitral valve, avoiding the surrounding area and in the same direction as the flow stream. The pulse doppler sampling volume was placed at the tips of the mitral valve to obtain E velocity. The slope of the first aliasing velocity during early filling was measured as Vp, extending 4 cm from the mitral valve into the left ventricle(Methods section, line 131-134, page 6) (Methods section, line 141-145, page 7).

3. We note that the email address for the corresponding author listed on the title page of the manuscript differs from the one mentioned in the editorial submission system. Please clarify which is the correct address for the corresponding author, amending either the title page or our submission data where appropriate.

We thank the Editor for your detailed review. Both email addresses are the corresponding author's emails. I think jwtian2004@163.com is more formal as the corresponding author's email address and I have amended the title page.

4. Thank you for including a Funding heading for the Declarations section.

Please also state the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript. Please note that the “role” of any given funding body specifies any function beyond the direct funding of aspects of the research or presentation of the manuscript.

We thank the Editor for the valuable and excellent suggestion. I have stated the role of the funding body in the Declarations.

As demonstrated in the manuscript“The current study was supported by National Natural Science Foundation of China (grant number: 81701707). It functioned in data collection and design of the study, had no role in analysis, interpretation of data or in writing the manuscript” (Declarations section, line331-334, page15).

5. Please include Figure legends heading after the references section.

We thank the Editor for your detailed review. I have included Figure legends heading after the references section(Figure legends section, line 489, page20).

6. At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours.
All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

Thank the Editor for this suggestion. I have revised the article according to the requirements. If you have any questions, please don't hesitate to contact me.