

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors:

This is an interesting a series of retrospective studies meta-analysis. The research ideas are clear and the work is serious. I suggest to accept it, but it needs to be improved in the following aspects. - In Abstract, please add a brief background introduction to this study. - Core tip is missing. - The Discussion section makes a lot of repetitive descriptions of the background introduction. Please delete this section and streamline the discussion of knowledge that we all knows. - Figures 7-11 are all the presentation of the evaluation results of publication bias of relevant studies according to Egger's test, and it is suggested to be organized together as one Figure. Congratulations on your excellent work.

Response: Thank you very much for your interest in our manuscript entitled *Clinical Application of Three-dimensional Speckle Tracking Echocardiography in Assessing Left Ventricular Myocardial Function in Diabetes: A Meta-Analysis*. To address your comments and concerns, we have responded to each comment point by point. In the revised manuscript, the text is marked in yellow according to the changes made by the comments.

Thank you for pointing out this issue. As suggested by the reviewer, we have added the background section in the abstract section. We also streamlined the background section in the discussion. We have merge Figures 7 to 11 together in the revised manuscript.

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors:

The topic of this manuscript falls within the scope of World Journal of Diabetes. The Authors explored the assessment of 3D-STI in estimating early left ventricular systolic dysfunction in DM by meta-analysis. They analyzed 9 studies including 970 subjects to assess myocardial function in DM patients compared to controls based on myocardial strain obtained by 3D-STI. The authors finally found that 3D-STI might precisely assess the early left ventricle systolic dysfunction in DM. It may have a beneficial impact on the targeted diagnosis of Diabetes and the provision of precise immunotherapy in future clinical work. The manuscript is a good meta-analysis. Good Introduction and materials and Methods. The Discussion sound well. Complete the References.

Response: Thanks for your helpful comment. According to your suggestion, we have completed the References in the revised manuscript. We would like to express our sincere thanks to you for the comments and suggestions. As a consequence of these valuable suggestions, we believe that our manuscript has been much strengthened. Please feel free to contact me if you and reviewers have further suggestions. I would be delighted to make a revision according to the comments.