

Prof. Bloomfield

December 12th, 2020

Editor-in-Chief

World Journal of Clinical Cases

RE: WJCC-61005_Wang "Infective bicuspid aortic valve endocarditis causing acute severe regurgitation and heart failure: A case report"

Dear Professor Bloomfield,

On behalf of all of the authors of our manuscript we would like to thank you and the reviewers for taking the time to read and critique our manuscript. The comments are valuable and helpful for revising and improving our paper, as well as for highlighting the significance of our case. We have studied the comments carefully and have made revisions, which we hope to receive your approval. The main corrections in the manuscript and the responses to the reviewers' comments are as follows:

Reviewer #1

Specific comments to authors:

Overall, this article is well written. Acute heart failure due to infective bicuspid aortic valve endocarditis is rare, this article has implications for early diagnosis of this disease. However, some deficiencies are pointed out that the visual picture of the bicuspid aortic valve is not given in this paper. For the heart failure mentioned in this title, no ultrasound indexes that can reflect cardiac function before and after treatment are given, such as ejection fraction.

Response: We thank Reviewer #1 for his/her time and effort. It's really a pity that we didn't save the visual picture of the bicuspid aortic valve specimen, therefore we can not provide it at present. We agree with reviewer's point of

view and have added ultrasound indexes before and after treatment in Table 1 accordingly:

Table 1. Transthoracic echocardiography indexes before and after treatment

	26-Jun-2019	16-Sep-2019
LVEDD	5.2 cm	4.4 cm
VST	0.93 cm	1.1 cm
PWT	0.95 cm	0.99 cm
LVMI	117.7 g/m ²	106.1 g/m ²
LVEF (Teich method)	62.8 %	74.5 %

Abbreviations and acronyms: LVEDD Left Ventricular End-Diastolic Dimension, VST Ventricular Septal Thickness, PWT Posterior Wall Thickness, LVMI Left Ventricular Mass indexed to Body Surface Area, LVEF Left Ventricular Ejection Fraction.

All the authors have participated in the manuscript preparation. The authors transfer all copyright ownership of this manuscript to *World Journal of Clinical Cases* in the event the work is published. The authors also warrant that the article is original, is not under consideration by another journal, and has not been previously published. The data and images in the manuscript have been reviewed by all authors.

Thank you again for the thorough review of our work. We hope the manuscript is now acceptable for publication in *World Journal of Clinical Cases*.

Sincerely,

Wei-Min Wang, MD

Department of Cardiology, Peking University People's Hospital,

Xizhimen South Road No. 11, Xicheng District, Beijing 100044, China

E-mail: weiminwang@vip.sina.com