

Point-by-point responses

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Thank you for your reviewers' comments. According to your reviewers' suggestion, we revised our initial manuscript. We prepared Marked revised manuscript and Clear version. Also, this response was separately made.

To Reviewers nr. 02860653 and 03473431

Thank you for your suggestions. According to your suggestions, we revised our initial manuscript.

Addition of imaging modalities data (with focus on Doppler US) that are crucial for diagnosis of such conditions and blood flow analysis.

Thank you for your suggestion. According to your suggestion, we added the mentions of Doppler US findings in the actual cases.

In the revised manuscript, we added the new figure (Figure 8) and the mentions in the text as follow; 'Actual images of Doppler ultrasound in cases without stability of systemic hemodynamic state (i.e., an imbalance of CO and BV in the lower TPR) are shown in Figure 8. The PVF should be detected as a stationary wave. However, in a case of unstable systemic hyperdynamic state, the waveform of PVF may seem to be undulant. Moreover, HA waveform may blend into the background of a decreased PVF.'