

Dear Editor,

RE: Manuscript No: 72718

We would like to thank World Journal of Clinical Cases for giving us the opportunity to revise our manuscript.

We thank the reviewers for their careful read and thoughtful comments on previous draft.

We have carefully taken their comments into consideration in preparing our revision, which has resulted in a paper that is clearer, more compelling, and broader. The following summarizes how we responded to reviewer comments.

Below is our response to their comments.

Revision-authors' response

Reviewer#1: Can the authors discuss the global use of this technique, ie how often is it used?

We have described the global use of this technique in paragraph 2 of discussion section and added six recent literatures in this work. Detailed description is as follows.

Although congenital anomalies or venous occlusion is rare, which may inhibit the use of typical approach via IVC to achieve the performance of pulmonary vein isolation. In these rare circumstances, the transhepatic approach provide a safety and efficacy access among patients with congenital anomalies. The application of a transhepatic approach for electrophysiological examinations and ablation in adults is rare in clinical practice. So far, only ten cases or so have been reported. By contrast, the technique is widely used applied in cardiac procedures for pediatric patients, for various purposes including diagnostic and interventional cardiac catheterizations, pacemaker placement, and electrophysiological procedures. The largest study on the use of this approach in adult patients, which comprised six patients showed that the

technique could be applied in the management of cardiac arrhythmias and venous abnormalities through percutaneous transhepatic access. It effectively ablated tachycardias, including atrial tachycardia, atrial flutter, atrioventricular nodal tachycardia, and atrial fibrillation, without causing complications. Previously, the cryoballoon catheter has been used to perform PVI via the percutaneous transhepatic venous approach.

Thanks for all the help.

Best wishes,

Author Na Li