

Left bundle branch area pacing post transcatheter aortic valve replacement in pre-existing left Bundle branch block and first degree Atrio-ventricular block: a case report

Anindya Ghosh¹, Vijayakumar Subban¹, Mullasari Ajit¹, and Ulhas M. Pandurangi¹

¹Madras Medical Mission Institute of Cardio Vascular Diseases

February 8, 2023

Abstract

Introduction Atrio-ventricular (AV) conduction abnormalities and subsequent permanent pacemaker (PPM) implantation frequently complicate Transcatheter Aortic Valve Replacement(TAVR). Current guidelines are still unclear in certain clinical scenarios. **Methods and Results** A 78 year-old with pre-existing Left Bundle Branch Block and 1st degree AV block underwent TAVR complicated by transient complete heart block with no further prolongation of preexisting conduction. Electrophysiology study (otherwise not indicated based on guidelines), 3 days post-procedure revealed evidence of significant infra Hisian disease requiring PPM. **Conclusion** No specific guidelines are available at this stage and thus our report highlights need for further research into this patient subset.

Hosted file

Manuscript.docx available at <https://authorea.com/users/449674/articles/623371-left-bundle-branch-area-pacing-post-transcatheter-aortic-valve-replacement-in-pre-existing-left-bundle-branch-block-and-first-degree-atrio-ventricular-block-a-case-report>



