


Conduction system pacing – experience of our center

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Conduction system pacing is the newest method of cardiac pacing. In comparison to right ventricular apical pacing, conduction system pacing provides a physiological way of the heart stimulation. It also provides a great alternative to biventricular pacing for patients in need of cardiac resynchronization. In this paper, we will explain the anatomy and physiology of the conduction system and its stimulation. We will describe different methods of conduction system pacing (His bundle pacing and left bundle branch pacing) and compare their advantages and shortcomings¹⁻³. At the very end we will look at the experience in our center.

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LITERATURE

1. Liu P, Wang Q, Sun H, Qin X, Zheng Q. Left Bundle Branch Pacing: Current Knowledge and Future Prospects. *Front Cardiovasc Med.* 2021 Mar 23;8:630399. <https://doi.org/10.3389/fcvm.2021.630399>
2. Zhang S, Guo J, Tao A, Zhang B, Bao Z, Zhang G. Clinical outcomes of left bundle branch pacing compared to right ventricular apical pacing in patients with atrioventricular block. *Clin Cardiol.* 2021 Apr;44(4):481-487. <https://doi.org/10.1002/clc.23513>
3. Das A, Chatterjeet Das S, Mandal A. Left bundle branch area pacing: Electrocardiographic features. *J Arrhythm.* 2021 Aug 7;37(5):1139-1147. <https://doi.org/10.1002/joa3.12610>