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Left bundle branch pacing with optimization of cardiac resynchronization treatment: A case report

Deng-Hong Zhang, Ming-Jian Lang, Gang Tang, Xiao-Xiao Chen, Hong-Fei Li

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Mar 04, 2020 · Key Words. cardiac pacemaker; chest pain; cardiac resynchronization therapy; Chest pain attributed to **left bundle branch block (LBBB)** in the absence of ischemia is a rare clinical entity with less than 60 cases reported ().The exact mechanism is unclear, but the hypothesis of LBBB-mediated dyssynchrony and alteration of activation wavefront in the ventricles resulting in nonspecific symptoms ...

Author: Aatish Garg, Vivak Master, Kenneth A... Publish Year: 2020

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Feb 02, 2018 · **Left bundle branch block (LBBB)** is associated with **atrial fibrillation (AF)** and **systolic heart failure**, which can be treated with **cardiac resynchronization therapy (CRT)** that includes an **implantable cardiac device (ICD)**.

Author: Hideyuki Hasebe Publish Year: 2018

[Programming Cardiac Resynchronization Therapy for ...](#)

<https://www.ahajournals.org/doi/10.1161/JAHA.117.007489>

Cardiac resynchronization therapy programming should be included as an additional step following selection of patients with **left bundle branch block** and optimization of LV lead delivery. **Electrical optimization** requires attention to paced effects.

Cited by: 16 Author: Niraj Varma, David O'Donnell, Mohammed...

Publish Year: 2018

[His-bundle Pacing to Left Bundle Branch Pacing: Evolution ...](#)

www.innovationsincrm.com/cardiac-rhythm-management/... ▾**Introduction**

Case Presentation

Discussion

References

His-bundle pacing (HBP) is an excellent physiologic alternative to right ventricular (RV) pacing in patients requiring ventricular pacing. HBP has been shown to be associated with a significant reduction in the combined endpoint of mortality, heart failure hospitalization, and upgrade to biventricular pacing in comparison with RV pacing in patients with bradycardia and indications for permanent pacemakers.^{1,2} Based on a systematic review of the available published literature on physiologic pa...

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Cardiac resynchronization therapy (CRT) is an established **treatment** for patients with reduced **left ventricular ejection fraction** (LVEF) and complete **left bundle branch block** (LBBB) by utilizing **biventricular pacing** (BVP). However, approximately 30% of patients do not respond to BVP.¹ **His-bundle pacing** (HBP) is a method of **pacing** that can maintain

[Left Bundle Branch Conduction ... - JACC: Case Reports](#)

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Dec 01, 2019 · **cardiac resynchronization therapy. systolic heart failure.** Left bundle branch pacing (LBBP) has recently been proposed to treat left bundle branch block (LBBB) by bypassing the **blocked conduction region** (1, 2). With a low capture threshold, LBBP can correct LBBB and generate a narrow **electrocardiogram** (ECG) **QRS duration** and fast **left ventricular activation** (1–3).

Author: Weiwei Zhang, Weiwei Zhang, Jingjua... **Publish Year:** 2019

[Left bundle branch area pacing delivery of cardiac ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1002/ehf2.12731>

May 13, 2020 · **Left bundle branch area pacing** (LBBAP) has emerged as an alternative choice to HBP by **pacing the left bundle branch** (LBB) region beyond the block site with a stable threshold and narrow QRS duration (QRSd) in patients with bradycardia. 9, 10 Huang et al . first demonstrated that LBBAP could achieve complete correction of **LBBB** and improved **cardiac function** in patients with LBBB ...

Author: Xiaofei Li, Chunguang Qiu, Ruiqin Xie... **Publish Year:** 2020

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Author: Xiaofei Li, Chunguang Qiu, Ruiqin Xie... **Publish Year:** 2020

[Left Bundle Branch Block | JACC: Heart Failure](#)<https://heartfailure.onlinejacc.org/content/4/11/904> ▾

Nov 01, 2016 · The recent history of **cardiac resynchronization therapy (CRT)** mirrors our increasing understanding of the correctable harm induced by **left bundle branch block (LBBB)**. In 2009, Adelstein and Saba [(1)] reported single-center outcomes that demonstrated **CRT** to be efficacious primarily in those with **Left Bundle Branch Block** | JACC: Heart Failure

Cited by: 3

Author: Edward Sze, James P. Daubert

Publish Year: 2016