

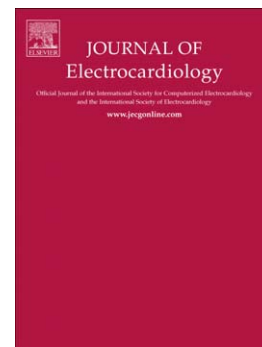
Accepted Manuscript

Functional atrial undersensing associated with device algorithm promoting AV conduction

Pasquale Crea, Angela Nicotera, Dalia Di Nunzio, Giuseppe Picciolo

PII: S0022-0736(17)30135-8
DOI: doi: [10.1016/j.jelectrocard.2017.05.009](https://doi.org/10.1016/j.jelectrocard.2017.05.009)
Reference: YJELC 52419

To appear in: *Journal of Electrocardiology*



Please cite this article as: Crea Pasquale, Nicotera Angela, Di Nunzio Dalia, Picciolo Giuseppe, Functional atrial undersensing associated with device algorithm promoting AV conduction, *Journal of Electrocardiology* (2017), doi: [10.1016/j.jelectrocard.2017.05.009](https://doi.org/10.1016/j.jelectrocard.2017.05.009)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Functional atrial undersensing associated with device algorithm promoting AV conduction

Pasquale Crea M.D.¹, Angela Nicotera M.D.¹, Dalia Di Nunzio M.D.¹, Giuseppe Picciolo M.D.¹

¹Department of Clinical and Experimental Medicine, University of Messina

Address for correspondence

Pasquale Crea, M.D.

Department of Clinical and Experimental Medicine

University of Messina

Via Consolare Valeria

Tel +390902212341

Fax +390902212380

98124 Messina, Italy

Email: pasqualecrea@hotmail.it

None of the authors has any conflict of interest.

Keywords: MVP; device algorithm; atrial refractory period; functional undersensing

Word count: 1012

Abstract

A 58-year-old woman received a dual chamber pacemaker (Medtronic) for sick sinus syndrome. Given intact AV conduction the Managed Ventricular Pacing mode algorithm (MVP) was programmed. The day after, she suffered from palpitations. Her ECG showed a possible loss of atrial capture accompanied by atrial undersensing. Telemetry-supported pacemaker control confirmed the loss of capture. Undersensing of atrial signal was functional, related to long atrial refractory period in MVP mode algorithm. Device algorithms could induce false suspicions. Awareness about the different pacing algorithms can be useful in order to avoid erroneous interpretations and to correct potential malfunctioning.

Case presentation

Download English Version:

<https://daneshyari.com/en/article/5615467>

Download Persian Version:

<https://daneshyari.com/article/5615467>

[Daneshyari.com](https://daneshyari.com)