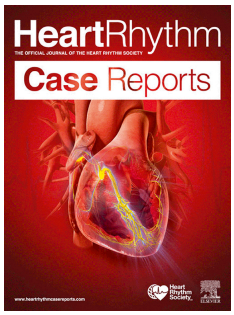
Accepted Manuscript



Impact of a Novel Algorithm Designed to Reduce T-wave Oversensing with the Subcutaneous Defibrillator in a patient with type I Brugada ECG

Serge Boveda, MD, Marijke C. Laarakker, PhD, Christèle Cardin, MD, Jean-Paul Albenque, MD

PII: S2214-0271(17)30199-9

DOI: 10.1016/j.hrcr.2017.11.009

Reference: HRCR 464

To appear in: *HeartRhythm Case Reports*

Received Date: 18 September 2017

Revised Date: 20 October 2017

Accepted Date: 15 November 2017

Please cite this article as: Boveda S, Laarakker MC, Cardin C, Albenque J-P, Impact of a Novel Algorithm Designed to Reduce T-wave Oversensing with the Subcutaneous Defibrillator in a patient with type I Brugada ECG, *HeartRhythm Case Reports* (2017), doi: 10.1016/j.hrcr.2017.11.009.

Impact of a Novel Algorithm Designed to Reduce T-wave Oversensing with the Subcutaneous Defibrillator in a patient with type I Brugada ECG

Serge Boveda[1], MD, Marijke C. Laarakker[2], PhD, Christèle Cardin[1], MD, Jean-Paul Albenque[1], MD.

[1]Clinique Pasteur, Cardiology Department, Cardiac Arrhythmias Management, Toulouse, France. [2]Boston Scientific Europe, Paris, France.

Key Words: Subcutaneous Defibrillator; Brugada Syndrome; Inappropriate shocks; T-wave Oversensing; Detection Algorithms.

Short Title: Novel S-ICD Algorithm Reduces T-wave Oversensing

Total Word Count: 1480 Words and 3 Figures.

Conflicts of Interest: SB is consultant for Boston Scientific, Medtronic and Livanova. MCL is a Boston Scientific employee. JPA is consultant for Abbott and Biosense Webster.

***Corresponding Author:** Serge Boveda, Clinique Pasteur, Cardiology Department, Cardiac Arrhythmias Management, 31076 Toulouse, France.

Tel: + 33 – 562211645.

Fax: + 33 – 562211641.

E-mail: sboveda@clinique-pasteur.com