

# Accepted Manuscript

Antiarrhythmic effects of stimulating the left dorsal branch of the thoracic nerve in a canine model of paroxysmal atrial tachyarrhythmias

Ye Zhao, MD, Yuan Yuan, MD, Wei-Chung Tsai, MD, Zhaolei Jiang, MD, Zhi-peng Tian, MD, Changyu Shen, PhD, Shien-Fong Lin, PhD, Michael C. Fishbein, MD, Thomas H. Everett, IV, PhD, FHRS, Zhenhui Chen, PhD, Peng-Sheng Chen, MD, FHRS



PII: S1547-5271(18)30348-5

DOI: [10.1016/j.hrthm.2018.04.009](https://doi.org/10.1016/j.hrthm.2018.04.009)

Reference: HRTM 7553

To appear in: *Heart Rhythm*

Received Date: 13 December 2017

Please cite this article as: Zhao Y, Yuan Y, Tsai W-C, Jiang Z, Tian Z-p, Shen C, Lin S-F, Fishbein MC, Everett IV TH, Chen Z, Chen P-S, Antiarrhythmic effects of stimulating the left dorsal branch of the thoracic nerve in a canine model of paroxysmal atrial tachyarrhythmias, *Heart Rhythm* (2018), doi: 10.1016/j.hrthm.2018.04.009.

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.

1 **Antiarrhythmic effects of stimulating the left dorsal branch of the thoracic nerve in a**  
2 **canine model of paroxysmal atrial tachyarrhythmias**

3 **Short title: Antiarrhythmic effects of thoracic nerve stimulation**

4 Ye Zhao, MD,<sup>1,2</sup> Yuan Yuan, MD,<sup>1,3</sup> Wei-Chung Tsai, MD,<sup>1,4</sup> Zhaolei Jiang, MD,<sup>1,3</sup> Zhi-peng  
5 Tian, MD,<sup>1,5</sup> Changyu Shen, PhD,<sup>6</sup> Shien-Fong Lin, PhD,<sup>1,7</sup> Michael C. Fishbein, MD,<sup>8</sup> Thomas  
6 H. Everett IV, PhD,FHRS,<sup>1</sup> Zhenhui Chen, PhD,<sup>1</sup> and Peng-Sheng Chen, MD,FHRS<sup>1</sup>

7  
8 1. The Krannert Institute of Cardiology and Division of Cardiology, Department of Medicine,  
9 Indiana University School of Medicine, Indianapolis, IN

10 2. Department of Cardiac Surgery, the First Affiliated Hospital of China Medical University,  
11 Shenyang, China

12 3. Department of Cardiothoracic Surgery, Xinhua Hospital, Shanghai Jiaotong University  
13 School of Medicine, Shanghai, China

14 4. Division of Cardiology, Department of Internal Medicine, Kaohsiung Medical University  
15 Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan

16 5. Department of Cardiology, the Central Hospital Affiliated To Shenyang Medical College,  
17 Shenyang, China

18 6. Smith Center for Outcomes Research in Cardiology, Beth Israel Deaconess Medical  
19 Center

20 7. Institute of Biomedical Engineering, National Chiao-Tung University, Hsin-Chu, Taiwan

21 8. The Department of Pathology and Laboratory Medicine, David Geffen School of  
22 Medicine, UCLA, Los Angeles, CA

23 **Corresponding Author:**

24 Peng-Sheng Chen, MD, 1800 N. Capitol Ave, E475, Indianapolis, IN 46202

25 Phone: 317-274-0909; Email: [chenpp@iu.edu](mailto:chenpp@iu.edu)

26 **Word count:** 4999

Download English Version:

<https://daneshyari.com/en/article/8660114>

Download Persian Version:

<https://daneshyari.com/article/8660114>

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