

Accepted Manuscript

Impaired Cardiac Autonomic Regulation and Long-Term Risk of Atrial Fibrillation in Patients With Coronary Artery Disease

Santeri Nortamo, BM, Olavi Ukkola, MD, Antti Kiviniemi, PhD, Mikko Tulppo, PhD, Heikki Huikuri, MD, Juha Perkiömäki, MD



PII: S1547-5271(17)31235-3

DOI: [10.1016/j.hrthm.2017.10.021](https://doi.org/10.1016/j.hrthm.2017.10.021)

Reference: HRTM 7354

To appear in: *Heart Rhythm*

Received Date: 11 September 2017

Please cite this article as: Nortamo S, Ukkola O, Kiviniemi A, Tulppo M, Huikuri H, Perkiömäki J, Impaired Cardiac Autonomic Regulation and Long-Term Risk of Atrial Fibrillation in Patients With Coronary Artery Disease, *Heart Rhythm* (2017), doi: 10.1016/j.hrthm.2017.10.021.

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 **Impaired Cardiac Autonomic Regulation and Long-Term Risk of Atrial Fibrillation in**
2 **Patients With Coronary Artery Disease**

3

4 Santeri Nortamo, BM, Olavi Ukkola, MD, Antti Kiviniemi, PhD, Mikko Tulppo, PhD,
5 Heikki Huikuri, MD, Juha Perkiömäki, MD

6

7 *Running head: Cardiac Autonomic Regulation and Risk of AF*

8

9 Research Unit of Internal Medicine, Medical Research Center Oulu, University of Oulu and
10 Oulu University Hospital, Oulu, Finland

11

12 The study was supported by a grant from the Sigrid Juselius Foundation, Helsinki, Finland
13 and Finnish Foundation for Cardiovascular Research, Helsinki, Finland

14

15 Conflict of interest: None. Word count: 4,979

16

17

18 Address for correspondence: Juha S. Perkiömäki, Division of Cardiology, Medical Research
19 Center Oulu, P.O. Box 5000 (Kajaanintie 50), FIN-90014 UNIVERSITY OF OULU, OULU,
20 FINLAND, tel: +358-8-315 4447, fax: +358-8-315 5599, e-mail: juha.perkiomaki@oulu.fi

21

Download English Version:

<https://daneshyari.com/en/article/8660273>

Download Persian Version:

<https://daneshyari.com/article/8660273>

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