



Journal of the British Cardiovascular Society

Guidelines for Authors and Reviewers

Full instructions are available online at <http://heart.bmj.com/pages/authors>. Articles must be submitted electronically <http://authors.bmj.com/submitting-your-paper/>. Authors retain copyright but are required to grant *Heart* an exclusive licence to publish (<http://authors.bmj.com/submitting-your-paper/copyright-and-authors-rights/>).

Editorial Office

Heart, BMJ Publishing Group
BMA House, Tavistock Square
London WC1H 9JR, UK

T: +44 (0) 20 7383 6622

F: +44 (0) 20 7383 6668

E: heartjournal@bmj.com

Twitter: @Heart_BMJ

ISSN: 1355-6037 (print)

ISSN: 1468-201X (online)

Impact factor: 5.693

Disclaimer: *Heart* is owned and published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the British Cardiovascular Society. The owners grant editorial freedom to the Editor of *Heart*. *Heart* follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

Heart is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group, the British Cardiovascular Society or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of *Heart* or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2017 BMJ Publishing Group Ltd & British Cardiovascular Society. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission.

Heart is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper.

Heart (ISSN No 1355-6037) is published semi-monthly by BMJ Publishing Group and distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431. POSTMASTER: Send address changes to *Heart*, Air Business Ltd, c/o Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA



Contents

Volume 103 Issue 10 | **HEART** May 2017

Heartbeat

- 727** Heartbeat: Cardiac resynchronization therapy with or without defibrillation—are women different?
C M Otto

Editorials

- 729** Integrated care of patients with atrial fibrillation: the 2016 ESC atrial fibrillation guidelines
P Kirchhof

- 732** Gender-specific outcomes of cardiac resynchronisation therapy with or without defibrillator
V Kutyifa

- 734** Through the looking glass of rheumatoid arthritis to study inflammation and high-density lipoprotein
K P Liao

- 736** Cardiac involvement in ankylosing spondylitis. Can new magnetic resonance indices interpret cardiac pathophysiology beyond echocardiography?
S Mavrogeni, G Kolovou, G Kitas

Review

- 738** Natriuretic peptides in the evaluation and management of degenerative mitral regurgitation: a systematic review
M M Juhl, P Malhotra, D W Kehl, F Rader, R J Siegel

Heart failure and cardiomyopathies

- 745** Insights into cardiac involvement in ankylosing spondylitis from cardiovascular magnetic resonance
P S Biesbroek, S C Heslinga, T C Konings, I E van der Horst-Bruinsma, M B M Hofman, P M van de Ven, O Kamp, V P van Halm, M J L Peters, Y M Smulders, A C van Rossum, M T Nurmohamed, R Nijveldt

Arrhythmias and sudden death

- 753** Sex-specific outcomes with addition of defibrillation to resynchronisation therapy in patients with heart failure
S Barra, R Providência, R Duehmke, S Boveda, E Marijon, C Reitan, R Borgquist, D Klug, P Defaye, N Sadoul, J-C Deharo, I Sadien, K Patel, K-L Looi, D Begley, A W Chow, J-Y Le Heuzey, S Agarwal, On Behalf of the French-UK-Sweden CRT Network

- 761** Ambulance telephone triage using 'NHS Pathways' to identify adult cardiac arrest
C D Deakin, S England, D Diffey

Aortic and vascular disease

- 766** Anti-inflammatory treatment improves high-density lipoprotein function in rheumatoid arthritis
F O'Neill, M Charakida, E Topham, E McLoughlin, N Patel, E Sutill, C W M Kay, F D'Aiuto, U Landmesser, P C Taylor, J Deanfield

Pulmonary vascular disease

- 774** Cardiopulmonary exercise testing for detecting pulmonary arterial hypertension in systemic sclerosis
D Dumitrescu, C Nagel, G Kovacs, T Bollmann, M Halank, J Winkler, M Hellmich, E Grünig, H Olschewski, R Ewert, S Rosenkranz

Cardiac risk factors and prevention

- 783** Tea consumption and risk of ischaemic heart disease
X Li, C Yu, Y Guo, Z Bian, J Si, L Yang, Y Chen, X Ren, G Jiang, J Chen, Z Chen, J Lv, L Li, on behalf of the China Kadoorie Biobank Collaborative Group

Education in Heart

- 790** State of the art in nuclear cardiology
N K Sabharwal

Image challenge

- 752** A 24-year-old male with a painful and cold lower extremity
E A Robinson, Z I Khalpey, R Janardhanan
- 782** A 72-year-old male with recurrent syncope
D Perera, R Uppal, J Hogan



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://heart.bmj.com/site/about/guidelines.xhtml#open>



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
www.publicationethics.org.uk



The online version of this article contains multiple choice questions hosted on BMJ Learning.