



Journal of the British Cardiovascular Society

Guidelines for Authors and Reviewers

Full instructions are available online at <http://heart.bmj.com/fora>. Articles must be submitted electronically <http://heart.bmj.com/submit>. Authors retain copyright but are required to grant *Heart* an exclusive licence to publish <http://heart.bmj.com/fora/licence.dtl>

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
ISSN: 1355-6037 (print)
ISSN: 1468-201X (online)
Impact factor: 5.014

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: © 2014 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 Techset, 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

Receive regular table of contents by email. Register using this QR code.



Contents

Volume 100 Issue 8 | HEART 15 April 2014

Heartbeat

601 Heartbeat: Highlights from the issue
C M Otto

Editorials

603 Hypertrophic cardiomyopathy: exercising a strategy of personalised medicine
D S Owens

605 Imaging of myocardial fibrosis in hypertrophic cardiomyopathy: what is the gold standard?
B A Popescu, M Roşca

607 Coronary collaterals: an elusive network
F Weidinger

609 Accelerating progress in community resuscitation
M Eisenberg, T Rea

Review

611 Mitochondrial cytopathies and cardiovascular disease
E A Dominic, A Ramezani, S D Anker, M Verma, N Mehta, M Rao

Arrhythmias and sudden death

619 Public access defibrillation remains out of reach for most victims of out-of-hospital sudden cardiac arrest
C D Deakin, E Shewry, H H Gray



Heart failure and cardiomyopathies

624 Exercise capacity and paroxysmal atrial fibrillation in patients with hypertrophic cardiomyopathy
F Azarbal, M Singh, G Finocchiaro, V-V Le, I Schnittger, P Wang, J Myers, E Ashley, M Perez

631 Noninvasive assessment of myocardial fibrosis in patients with obstructive hypertrophic cardiomyopathy
V M Almas, K H Haugaa, E H Strøm, H Scott, H-J Smith, C P Dahl, O R Geiran, K Endresen, S Aakhus, J P Amlie, T Edvardsen

639 Cardiac output response and peripheral oxygen extraction during exercise among symptomatic hypertrophic cardiomyopathy patients with and without left ventricular outflow tract obstruction
C H Critoph, V Patel, B Mist, P M Elliott

Coronary artery disease

647 The impact of the coronary collateral circulation on outcomes in patients with acute coronary syndromes: results from the AUCITY trial
P Meier, A J Lansky, M Fahy, K Xu, H D White, M E Bertrand, R Mehran, G W Stone

652 Release kinetics of early ischaemic biomarkers in a clinical model of acute myocardial infarction
C Liebetrau, H M Nef, O Dörr, L Gaede, J Hoffmann, A Hahnel, A Rolf, C Troidl, K J Lackner, T Keller, C W Hamm, H Möllmann

658 Pre-procedural fasting for coronary interventions: is it time to change practice?
T Hamid, Q Aleem, Y Lau, R Singh, J McDonald, J E Macdonald, S Sastry, S Arya, A Bainbridge, T Mudawi, K Balachandran

Image challenge

657 A cardiac diagnosis by contrast echocardiography
J J Brugs, M Michels, C A den Uil

Education in Heart

662 Diagnostic approach and differential diagnosis in patients with hypertrophied left ventricles
A Yilmaz, U Sechtem

JournalScan

672 Cardiovascular highlights from non-cardiology journals
S M Bradley



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>



COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org.uk



When you have finished with this magazine please recycle it.



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