



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](mailto:heartjournal@bmj.com)  
Twitter: @Heart\_BMJ  
ISSN: 1355-6037 (print)  
ISSN: 1468-201X (online)

**Impact factor: 6.023**

**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:** © 2015 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.



**Heartbeat**

**739** Heartbeat: Highlights from this issue  
*C M Otto*

**Editorials**

**742** Let's keep running... exercise, basic science and the knowledge gaps  
*A La Gerche, J R McMullen*

**745** Fitness and cardiovascular health, not just a European issue  
*R Siegel, W Eschenbacher, G Veldtman*

**747** MRI and the exercise blood pressure response in dilated cardiomyopathy  
*H Satoh*

**749** The problem of infective endocarditis after transcatheter pulmonary valve implantation  
*A Uebing, M L Rigby*

**Reviews**

**752** Marfan syndrome, inherited aortopathies and exercise: What is the right answer?  
*A Cheng, D Owens*

**758** Basic science behind the cardiovascular benefits of exercise  
*M G Wilson, G M Ellison, N T Cable*

**Cardiac risk factors and prevention**

**766** Cardiorespiratory fitness and ideal cardiovascular health in European adolescents  
*J R Ruiz, I Huybrechts, M Cuenca-García, E G Anero, I Labayen, A Meirhaeghe, G Vicente-Rodríguez, A Polio, Y Manios, M González-Gross, A Marcos, K Widhalm, D Molnar, A Kafatos, M Sjöström, L A Moreno, M J Castillo, F B Ortega, on behalf of the HELENA study group*

**Heart failure and cardiomyopathies**

**774** Prognostic impact of blood pressure response plus gadolinium enhancement in dilated cardiomyopathy  
*E Tateishi, T Noguchi, Y Goto, Y Morita, H Ishibashi-Ueda, N Yamada, H Kanzaki, K Nishimura, Y Miyamoto, T Anzai, H Ogawa, S Yasuda*

**Valvular heart disease**

**781** Prognosis importance of low flow in aortic stenosis with preserved LVEF  
*J Magne, D Mohty, C Boulogne, F E Boubadara, M Deltreuil, N Echahidi, C Cassat, M Laskar, P Virot, V Abovans*

**Congenital heart disease**

**788** Infective endocarditis of a transcatheter pulmonary valve in comparison with surgical implants  
*I Van Dijke, W Budts, B Cools, B Eyskens, D E Boshoff, R Heying, S Frerich, W Y Vanagt, E Troost, M Gewillig*

**794** Severe tricuspid regurgitation is predictive for adverse events in tetralogy of Fallot  
*J P Bokma, M M Winter, T Oosterhof, H W Vliegen, A P van Dijk, M G Hazekamp, D R Koolbergen, M Groenink, B J M Mulder, B J Bouma*

**Healthcare delivery, economics and global health**

**800** Longitudinal persistence with secondary prevention therapies relative to patient risk after myocardial infarction  
*S Shore, P G Jones, T M Maddox, S M Bradley, J M Stolker, S V Arnold, S Parashar, P Peterson, D L Bhatt, J Spertus, P M Ho*

**Education in Heart**

**808** The effects of cold and exercise on the cardiovascular system  
*V Manou-Stathopoulou, C D Goodwin, T Patterson, S R Redwood, M S Marber, R P Williams*

**Image challenge**

**793** Ventricular tachycardia following aortic valve replacement  
*N Mohammed, U Dandekar, F Osman*

**PostScript**

**822** Correspondence



OPEN ACCESS



EDITOR'S CHOICE



OPEN ACCESS

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>

C O P E 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](http://www.publicationethics.org.uk)



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