



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](mailto:heartjournal@bmj.com)  
Twitter: @Heart\_BMJ  
ISSN: 1355-6037 (print)  
ISSN: 1468-201X (online)  
Impact factor: 6.059

**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:** © 2018 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 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



**Heartbeat**

- 1 Heartbeat: What is the best emergency treatment for decompensated severe aortic stenosis?  
*C M Otto*

**Editorials**

- 4 Emergency interventions for the treatment of decompensated aortic stenosis  
*P D Adamson, N Cruden*
- 6 Heritability of resting heart rate and association with mortality in middle-aged and elderly twins  
*P B Munroe, A Tinker*
- 8 Cochrane Corner: stem cell therapy for chronic ischaemic heart disease and congestive heart failure  
*S A Fisher, C Doree, A Mathur, D P Taggart, E Martin-Rendon*

**Reviews**

- 10 Achieving high-quality care: a view from NICE  
*G Leng, G Partridge*
- 16 Mitral regurgitation in patients with severe aortic stenosis: diagnosis and management  
*A Sannino, P A Grayburn*

**Valvular heart disease**

- 23 Emergency treatment of decompensated aortic stenosis  
*D Bongiovanni, C Kühn, S Bleiziffer, L Stecher, F Poch, M Greif, J Mehilli, S Massberg, N Frey, R Lange, K-L Laugwitz, G Schymik, D Frank, C Kupatt*

**Cardiac risk factors and prevention**

- 30 Heritability of resting heart rate and association with mortality in middle-aged and elderly twins  
*M T Jensen, M Wod, S Galatiuis, J B Hjelmberg, G B Jensen, K Christensen*

**Congenital heart disease**

- 37 Major adverse events and atrial tachycardia in Ebstein's anomaly predicted by cardiovascular magnetic resonance  
*R Rydman, Y Shiina, G-P Diller, K Niwa, W Li, H Uemura, A Uebing, U Barbero, B Bouzas, S Ernst, T Wong, D J Pennell, M A Gatzoulis, S V Babu-Narayan*

- 45 Platelet count and mean platelet volume predict outcome in adults with Eisenmenger syndrome  
*A C Martin-Garcia, D R J Arachchilage, A Kempny, R Alonso-Gonzalez, A Martin-Garcia, A Uebing, L Swan, S J Wort, L C Price, C McCabe, P L Sanchez, K Dimopoulos, M A Gatzoulis*

**Coronary artery disease**

- 51 First and recurrent ischaemic heart disease events continue to decline in New Zealand, 2005–2015  
*C Grey, R Jackson, S Wells, B Wu, K Poppe, H White, W C Chan, A J Kerr*

**Healthcare delivery, economics and global health**

- 58 Ischaemic heart disease in the former Soviet Union 1990–2015 according to the Global Burden of Disease 2015 Study  
*A Murphy, C O Johnson, G A Roth, M H Forouzanfar, M Naghavi, M Ng, N Pogossova, T Vos, C J L Murray, A E Moran*
- 67 Public knowledge of cardiovascular disease and response to acute cardiac events in three cities in China and India  
*H C Duber, C R McNellan, A Wollum, B Phillips, K Allen, J C Brown, M Bryant, R B Gupta, Y Li, P Majumdar, G A Roth, B Thomson, S Wilson, A Woldeab, M Zhou, M Ng*

MORE CONTENTS ►



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>



Member since 2008

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)



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

---

**Education in Heart**

- 73** Non-surgical septal reduction therapy in hypertrophic cardiomyopathy  
MCOs  
*R M Cooper, R H Stables*
- 

**Image challenge**

- 66** 25-year-old man with chest pain  
*D Singh, R Bhat, S S Kothari*

---

**PostScript**

- 84** Oral anticoagulants and liver injury: the threat of uncontrolled confounding  
*A Alonso, R F MacLehose, L Y Chen, L G S Bengtson, A M Chamberlain, F L Norby, P L Lutsey*