



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 <https://mc.manuscriptcentral.com/heart>. 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  
E: [info.heart@bmj.com](mailto:info.heart@bmj.com)  
Twitter: @Heart\_BMJ  
ISSN: 1355-6037 (print)  
ISSN: 1468-201X (online)  
Impact factor: 5.420

**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:** © 2019 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



## Heartbeat

- 895 Heartbeat: Aortic size in athletes  
*C M Otto*

## Editorials

- 898 Aortic valve area: too important for splendid isolation  
*J Minners*
- 900 Aortic root in competitive sports: eyes on the older athlete  
*H T Jorstad, M Groenink*
- 902 Global lessons from deaths from heart failure in UK hospitals  
*L J Anderson, I B Squire, M R Cowie*

## Review

- 904 Change in renal function associated with drug treatment in heart failure: national guidance  
*A L Clark, P R Kalra, M C Petrie, P B Mark, L A Tomlinson, C RV Tomson*

## Valvular heart disease

- 911 Valve area and the risk of overestimating aortic stenosis  
*A González-Mansilla, P Martínez-Legazpi, A Prieto, E Gomá, P Haurigot, C Pérez del Villar, V Cuadrado, A Delgado-Montero, R Prieto, T Mombiola, E Pérez-David, E Rodríguez González, Y Benito, R Yotí, M Pérez-Vallina, F Fernández-Avilés, J Bermejo*

## Special populations

- 920 Prevalence and progression of aortic root dilatation in highly trained young athletes  
*S Gati, A Malhotra, C Sedgwick, N Papamichael, H Dhutia, R Sharma, A H Child, M Papadakis, S Sharma*

## Congenital heart disease

- 926 Aortic disease and interventions in adults with tetralogy of Fallot  
*A C Egbe, W R Miranda, N M Ammass, N S Anavekar, V R Missula, S Kothapalli, A R Khan, S M Said, H M Connolly*
- 932 Surgical and percutaneous pulmonary valve replacement in England over the past two decades  
*S H Larsen, K Dimopoulos, M A Gatzoulis, A Uebing, D F Shore, R Alonso-Gonzalez, A Kempny*

## Aortic and vascular disease

- 938 Vitamin K status, supplementation and vascular disease: a systematic review and meta-analysis  
*J S Lees, F A Chapman, M D Witham, A G Jardine, P B Mark*

## Coronary artery disease

- 946 Education level and outcomes after acute myocardial infarction in China  
*X Huo, R Khera, L Zhang, J Herrin, X Bai, Q Wang, Y Lu, K Nasir, S Hu, J Li, X Li, X Zheng, F A Masoudi, J A Spertus, H M Krumholz, L Jiang*

## Cardiac risk factors and prevention

- 953 Effect of low-sodium salt substitutes on blood pressure, detected hypertension, stroke and mortality  
*A V Hernandez, E E Emonds, B A Chen, A J Zavala-Loayza, P Thota, V Pasupuleti, Y M Roman, A Bernabe-Ortiz, J J Miranda*

## Education in Heart

- 961 Contemporary management of cardiac implantable electronic device infection  
*D C DeSimone, M R Sohail, S K Mulpuru*

## Image challenges

- 919 Forty-year-old man with dyspnoea, haemoptysis and night sweats  
*P F Brennan, O King, M S Spence*
- 960 Recurrent myocardial infarction in a 50-year-old woman  
*I Mactier, J R Dalzell, D Carrick*



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)



When you have finished with this magazine please recycle it.



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