



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)  
X: @Heart\_BMJ  
ISSN: 1355-6037 (print)  
ISSN: 1468-201X (online)  
Impact factor: 5.7

**Disclaimer:** The Editor of *Heart* has been granted editorial freedom and *Heart* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *Heart* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *Heart* does not imply endorsement. Neither *British Cardiovascular Society* nor BMJ Publishing Group Limited shall have any liability for any loss, injury or damage howsoever arising from *Heart* (except for liability which cannot be legally excluded).

**Copyright:** © 2024 BMJ Publishing Group Ltd & British Cardiovascular Society. All rights reserved; no part of this publication may be reproduced in any form without 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 1355-6037 (USPS 2154) is published bimonthly by BMJ Publishing Group Ltd, BMA House, Tavistock Square, WC1H 9JR London. Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to *Heart*, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at BMA House, Tavistock Square WC1H 9HR London. Air Business Ltd is acting as our mailing agent.



## Editorials

**541** Artificial intelligence to improve the diagnosis of pulmonary hypertension: promises and pitfalls  
*N Singh, S Mehta*

**543** Towards a gender-specific and morphology-specific assessment of aortic valve stenosis severity  
*N Jander, J Minners*

## Review

**545** Use of coronary computed tomography for cardiovascular risk assessment in immune-mediated inflammatory diseases  
*M Peverelli, R T Maughan, D Gopalan, M R Dweck, D Dey, M H Buch, J H F Rudd, J M Tarkin*

## Systematic review

**552** Pulmonary vasodilators and exercise in Fontan circulation: a systematic review and meta-analysis  
*D Kosmidis, A Arvanitaki, I T Farmakis, A Liakos, A Giannopoulos, A Ziakas, G Giannakoulas*

## Congenital heart disease

**560** Incremental value of machine learning for risk prediction in tetralogy of Fallot  
*A Ishikita, C McIntosh, S L Roche, D J Barron, E Oechslin, L Benson, K Nair, M M Lee, M N Gritti, K Hanneman, G R Karur, R M Wald*

## Coronary artery disease

**569** Postdischarge major bleeding, myocardial infarction, and mortality risk after coronary artery bypass grafting  
*E Björklund, P Enström, S J Nielsen, H Tygesen, A Martinsson, E C Hansson, M Lindgren, C-J Malm, A Pivodic, A Jeppsson*

## Heart failure and cardiomyopathies

**578** Symptoms and signs in patients with heart failure: association with 3-month hospitalisation and mortality  
*M R Ali, C S P Lam, A Strömberg, S P P Hand, S Booth, F Zaccardi, I Squire, G P McCann, K Khunti, C A Lawson*

## Pulmonary vascular disease

**586** Echocardiographic artificial intelligence for pulmonary hypertension classification  
*Y Hirata, T Tsuji, J Kotoku, M Sata, K Kusunose*

## Valvular heart disease

**594** Computed tomography calcium scoring in aortic stenosis: bicuspid versus tricuspid morphology  
*Z Ye, M-A Clavel, T A Foley, P Pibarot, M Enriquez-Sarano, H I Michelena*

**603** Coronary microvascular dysfunction in patients undergoing transcatheter aortic valve implantation  
*R Scarsini, L Portolan, F Della Mora, M Fabroni, S Andreaggi, A Mainardi, P Springhetti, A Dotto, P A Del Sole, S Fezzi, S Pazzi, D Tavella, C Mammone, M Lunardi, G Pesarini, G Benfari, F L Ribichini*

## Image challenge

**559** Dyspnoea, dizziness and dysrhythmia in a middle-aged patient  
*V Soorampally, S Veeraraghavan, B R Kidambi*



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  
JM00008

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics  
[www.publicationethics.org](http://www.publicationethics.org)



When you have finished with this magazine please recycle it.



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