



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: 5.693

**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:** © 2017 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 Nova Techset Private Limited, Bengaluru & 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**

**175** Heartbeat: Warfarin therapy for mechanical heart valves  
*C M Otto*

**Editorials**

**177** Pixels or Pixie Dust? Grading of mitral regurgitation using intensity analysis of continuous wave Doppler  
*J Hung, R A Levine*

**179** The need for a continuing awareness of the quality of anticoagulant therapy in patients with mechanical prostheses  
*B Lung*

**181** The search for the tipping point on when to anticoagulate patients with atrial fibrillation  
*H Heidbuchel*

**Review**

**184** The challenge of frailty and sarcopenia in heart failure with preserved ejection fraction  
*Y Kinugasa, K Yamamoto*

**Valvular heart disease**

**190** Grading of mitral regurgitation based on intensity analysis of the continuous wave Doppler signal  
*M El Haddad, T De Backer, M De Buyzere, D Devos, A Swillens, P Segers, F Timmermans*

**198** Warfarin treatment quality and prognosis in patients with mechanical heart valve prosthesis  
*B Grzymala-Lubanski, P J Svensson, H Renlund, A Jeppsson, A Sjölander*

**204** Diffuse myocardial fibrosis in patients with mitral valve prolapse and ventricular arrhythmia  
*A H Bui, S Roujol, M Foppa, K V Kissinger, B Goddu, T H Hauser, P J Zimetbaum, L H Ngo, W J Manning, R Nezafat, F N Delling*

**Arrhythmias and sudden death**

**210** Net clinical benefit of warfarin in individuals with atrial fibrillation across stroke risk and across primary and secondary care  
*V Allan, A Banerjee, A D Shah, R Patel, S Denaxas, J-P Casas, H Hemingway*

**Special populations**

**219** The impact of moderate distance recreational running and ageing on cardiac physiology  
*J H Kim, Y-A Ko, J Hedley, J MacNamara, M Awad, W Taylor, S Healy, H Aida, N-A Le, P W Wilson, M White, L S Sperling, J S Wilson Jr, A L Baggish*

**Cardiac risk factors and prevention**

**227** Incidence and risk of heart failure in systemic lupus erythematosus  
*C H Kim, S G Al-Kindi, B Jandali, A D Askari, M Zacharias, G H Oliveira*

**235** Recurrent pre-eclampsia and subsequent cardiovascular risk  
*N Auger, W D Fraser, M Schnitzer, L Leduc, J Healy-Profitós, G Paradis*

**Education in Heart**

**244** Valvular heart disease and pregnancy part II: management of prosthetic valves  
*C J Bhagra, R D'Souza, C K Silversides*

**Image challenge**

**189** A 50-year-old man with incidental cardiac mass  
*A Smer, V M Alla, H Abuissa*



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.

Heart: first published as on 1 February 2017. Downloaded from <http://heart.bmj.com/> on June 20, 2024 by guest. Protected by copyright.