



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/licence-forms>

**Editorial Office**

Heart, BMJ Publishing Group  
BMA House, Tavistock Square  
London WC1H 9JR, UK

T: +44 (0) 20 7383 6235

F: +44 (0) 20 7383 6668

E: [heartjournal@bmjgroup.com](mailto:heartjournal@bmjgroup.com)

ISSN: 1355-6037 (print)

ISSN: 1468-201X (online)

Impact factor: 4.706

**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:** © 2012 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 TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Limited, Plymouth, UK.

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



Receive regular table of contents by email. Register using this QR code.

**Editorials**

**961** From ashes to ashes: time for cigarettes to hit the dust  
*J P Pell*

**963** Smoking, atherothrombosis and clopidogrel  
*T D Warner, M Paul-Clark, J A Mitchell*

**965** Does inflammation trigger fibrosis in hypertrophic cardiomyopathy: a burning question?  
*D Westermann*

**Reviews**

**967** Current modalities for invasive and non-invasive monitoring of volume status in heart failure  
*T G von Lueder, H Krum*

**974** Diagnosis and management of patients with acute cardiac symptoms, troponin elevation and culprit-free angiograms  
*S Gallagher, D A Jones, V Anand, S Mohiddin*

**Original articles**

**Coronary artery disease**

**982** Human cytomegalovirus neutralising antibodies and increased risk of coronary artery disease in Indian population  
*L A Mundkur, H Shivanandan, S Hebbagudi, V Endr sz, M Varma, V Rao, E Gonczol, V V Kakkar*

**Peripheral vascular disease**

**988** Calcification of the abdominal aorta as an independent predictor of cardiovascular events: a meta-analysis  
*F Bastos Goncalves, M T Vou te, S E Hoeks, M B Chonchol, E E Boersma, R J Stolker, H J M Verhagen*

**Epidemiology**

**995** Effect of smoke-free legislation on the incidence of sudden circulatory arrest in the Netherlands  
*D de Kort-de Boer, D Kotz, W Viechtbauer, E van Haren, D Grommen, M de Munter, H Coenen, A P M Gorgels, O C P van Schayck*

**Platelet function**

**1000** Enhanced clopidogrel response in smokers is reversed after discontinuation as assessed by VerifyNow assay: additional evidence for the concept of 'smokers' paradox'  
*K W Park, S-H Kang, J Kang, K-H Jeon, J J Park, J-K Han, J-S Koh, S E Lee, H-M Yang, H-Y Lee, H-J Kang, B-K Koo, B-H Oh, Y-B Park, H-S Kim*

**Hypertrophic cardiomyopathy**

**1007** Low-grade inflammation and the phenotypic expression of myocardial fibrosis in hypertrophic cardiomyopathy  
*J Kuusisto, V K rj , P Sipola, I Kholov , K Peuhkurinen, P J  skel inen, A Naukkarinen, S Yl -Herttua, K Punnonen, M Laakso*



**Congenital heart disease**

**1014** Bicuspid aortic valve and associated aortic dilation in the young  
*S Fernandes, P Khairy, D A Graham, S D Colan, T C Galvin, S P Sanders, M N Singh, A Bhatt, R V Lacro*

**Education in Heart**

**1020** Angina pectoris in patients with normal coronary angiograms: current pathophysiological concepts and therapeutic options  
*A Yilmaz, U Sechtem*

**MORE CONTENTS ►**



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://heart.bmj.com/info/unlocked.dtl>

COPE 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)



**JournalScan**

**1030** Cardiovascular highlights from non-cardiology journals

**PostScript**

**1031** Correspondence

**Subscription Information**

Heart is published fortnightly; subscribers receive all supplements and Education in Heart  
ISSN 1355-6037 (print); 1468-201X (online)

**Institutional Rates 2012****Print**

£702; US\$1369; €948

**Online**

Site licences are priced on FTE basis and allow access by the whole institution. Print is available at deeply discounted rates for online subscribers; details available online at <http://group.bmj.com/group/subs-sales> or contact the Subscription Manager in the UK (see above right)

Personal print or online only and institutional print subscriptions may be purchased online at <http://group.bmj.com/group/subs-sales> (payment by Visa/Mastercard only)

Residents of some EC countries must pay VAT; for details, call us or visit [www.bmj.com/subscriptions/vatandpaymentinfo.dtl](http://www.bmj.com/subscriptions/vatandpaymentinfo.dtl)

**Personal Rates 2012**

**Print** (includes online access at no additional cost)

£272; US\$531; €368

**Online only**

£139; US\$272; €188

**Education in Heart online only**

£62; US\$121; €84