



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://submit-heart.bmj.com>. 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 6235  
F: +44 (0) 20 7383 6668  
E: [heartjnl@bmjgroup.com](mailto:heartjnl@bmjgroup.com)

ISSN: 1355-6037 (print)  
ISSN: 1468-201X (online)

Impact factor 4.141

**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** © 2008 BMJ Publishing Group and 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 The Charlesworth Group, and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Limited, Plymouth, UK.

Heart (USPS No. 002-154) is published monthly by BMJ Publishing Group and distributed in the USA by SPP, 75 Aberdeen Road, Emigsville, PA 17318. Periodicals postage paid at Emigsville, PA. POSTMASTER: send address changes to Heart, PO Box 437, Emigsville, PA 17318-0437, USA.

## Contents

Volume 94 Number 12 | HEART December 2008

## Featured editorial

- 1519** Radiation risk from coronary artery disease imaging: how do different diagnostic tests compare?  
*A J Einstein*

## Editorials

- 1522** How dangerous is echocardiographic contrast?  
*T H Marwick*
- 1524** Monitoring trends in acute coronary syndromes: can we use hospital admission registries?  
*M Avendano, I Soerjomataram*

- 1526** Assessment and management of low-gradient, low ejection fraction aortic stenosis  
*C Tribouilloy, F Lévy*

- 1528** Is it cardiac? Assessment of syncope with a scoring system  
*R Romero-Ortuno, R A Kenny*

- 1530** Should radial artery access be the "gold standard" for PCI?  
*M Hamon, J Nolan*

## Global burden of cardiovascular disease

- 1534** Incidence of acute rheumatic fever in the world: a systematic review of population-based studies  
*K B Tibazarwa, J A Volmink, B M Mayosi*

## Rapid communication

- 1541** Does IQ predict total and cardiovascular disease mortality as strongly as other risk factors? Comparison of effect estimates using the Vietnam Experience Study  
*G D Batty, M J Shipley, C R Gale, L H Mortensen, I J Deary*

## Viewpoint

- 1545** What is the role of the aorta in directing coronary blood flow?  
*J E Davies, K H Parker, D P Francis, A D Hughes, J Mayet*


## Original articles

- 1548** Acute coronary syndromes  
Early glycoprotein IIb/IIIa inhibitors in primary angioplasty (EGYPT) cooperation: an individual patient data meta-analysis  
*G De Luca, C M Gibson, F Bellandi, S Murphy, M Maioli, M Noc, U Zeymer, D Dudek, H-R Arntz, S Zorman, H M Gabriel, A Emre, D Cutlip, G Biondi-Zoccai, T Rakowski, M Gyongyosi, P Marino, K Huber, A W J van't Hof*

- 1559** Predictors of slow flow during primary percutaneous coronary intervention: an intravascular ultrasound-virtual histology study  
*J H Bae, T-G Kwon, D-W Hyun, C S Rihal, A Lerman*

- 1565** Women younger than 65 years with diabetes mellitus are a high-risk group after myocardial infarction: a report from the Swedish Register of Information and Knowledge about Swedish Heart Intensive Care Admission (RIKS-HIA)  
*A Norhammar, U Stenestrand, J Lindbäck, L Wallentin, on behalf of the Register of Information and Knowledge about Swedish Heart Intensive Care Admission (RIKS-HIA)*

## 1571 Cardiac imaging and non-invasive testing

-  Safety of myocardial flash-contrast echocardiography in combination with dobutamine stress testing for the detection of ischaemia in 5250 studies  
*C Aggeli, G Giannopoulos, G Roussakis, E Christoforatos, G Marinos, C Toli, C Pitsavos, C Stefanadis*

## Heart failure and cardiomyopathy

- 1580** Predictors of reduction in mitral regurgitation in patients undergoing cardiac resynchronisation treatment  
*T Z Naqvi, A M Rafique, C Swerdlow, S Verma, R J Siegel, K Tolstrup, W Kerwin, J Goodman, D Gallik, E Gang, C T Peter*

## Epidemiology

- 1589** Explaining trends in coronary heart disease hospitalisations in New Zealand: trend for admissions and incidence can be in opposite directions  
*W C Chan, C Wright, M Tobias, S Mann, R Jackson*
- 1594** Secondary prevention of cardiovascular disease in different primary healthcare systems with and without pay-for-performance  
*M E Cupples, M C Byrne, S M Smith, C S Leatham, A W Murphy*
- 1601** Cost-effectiveness of a disease management programme for secondary prevention of coronary heart disease and heart failure in primary care  
*D A Turner, S Paul, M A Stone, A Juarez-Garcia, I Squire, K Khunti*

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>

C O P E 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)



**Heart rhythm disorders and pacemakers**

- 1607** Warfarin for the prevention of systemic embolism in patients with non-valvular atrial fibrillation: a meta-analysis

*L V Andersen, P Vestergaard, P Deichgraeber, J S Lindholt, L S Mortensen, L Frost*

- 1614** The Northern Ireland Public Access Defibrillation (NIPAD) study: effectiveness in urban and rural populations

*M J Moore, A J Hamilton, K J Cairns, A Marshall, B M Glover, C J McCann, J Jordan, F Kee, A A J Adgey*

- 1620** Clinical predictors of cardiac syncope at initial evaluation in patients referred urgently to a general hospital: the EGSYS score

*A Del Rosso, A Ungar, R Maggi, F Giada, N R Petix, T De Santo, C Menozzi, M Brignole*

**Valvular heart disease**

- 1627** Myocardial blood flow in patients with low-flow, low-gradient aortic stenosis: differences between true and pseudo-severe aortic stenosis. Results from the multicentre TOPAS (Truly or Pseudo-Severe Aortic Stenosis) study

*I G Burwash, M Lortie, P Pibarot, R A de Kemp, S Graf, G Mundigler, A Khorsand, C Blais, H Baumgartner, J G Dumesnil, Z Hachicha, J DaSilva, R S B Beanlands*

- 1634** The bicuspid aortic valve: an integrated phenotypic classification of leaflet morphology and aortic root shape

*B M Schaefer, M B Lewin, K K Stout, E Gill, A Prueitt, P H Byers, C M Otto*

- 1639** Moderate patient-prosthesis mismatch after valve replacement for severe aortic stenosis has no impact on short-term and long-term mortality

*J Mascherbauer, R Rosenhek, C Fuchs, E Pernicka, U Klaar, C Scholten, M Heger, G Wollenek, G Maurer, H Baumgartner*

**Technology and guidelines**

- 1646** NICE guidelines for the use of drug-eluting stents: how do we establish worth?

*M A de Belder*

- 1648** Commentary on drug-eluting stents: to use or not to use—that is the question!

*M E Pfisterer*

- 1650** Commentary on drug-eluting stents: NICE technology appraisal guidance

*J Richardson, A Stevens, D Barnett, C Longson*

**Featured correspondence**

- 1653** Letters

**Education in Heart**

- 1656** Statins: established indications and controversial subgroups

*J W Jukema, S C Berghuanu*

- 1663** Repaired tetralogy of Fallot in the adult: monitoring and management

*K V Huehnergarth, M Gurvitz, K K Stout, C M Otto*

- 1670** Aortic intramural haematoma

*A F Bolger*

**JournalScan**

- 1675** Cardiovascular highlights from non-cardiology journals

**Images in cardiology**

- 1533** Systolic dysfunction induced by right ventricular apical pacing: visualisation using real-time three-dimensional echocardiography

*H Burri, C Frangos, R Lerch*

- 1578** Electrical aspects of Brugada: hyperkalaemia and intoxication with phenothiazines

*F Garnier, A Mathe, R Bruyeres*

- 1593** Fresh thrombus formation in left atrial appendage after temporary suspension of warfarin treatment in a patient with mitral stenosis and atrial fibrillation

*S K S Lairikyengbam, C Knight, A Deaner*

**Miscellanea**

- 1619** Web Top 10

**Subscription Information**

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

**Institutional Rates 2008****Print**

£456; US\$866; €675

**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 2008**

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

£172; US\$318; €255

**Online only**

£95; US\$176; €141

**Education in Heart online only**

£37; US\$68; €55