

## Editor

Roger J Hall

## Deputy Editor

David Lefroy

## Commissioning Editor

Iain Simpson

## Series Editor,

Education in Heart  
Peter Mills

## Associate Editors

Adrian P Banning, Eric Butchart, Filippo Crea, David Crossman,  
John L Gibbs, Bernard Jung, Theresa A McDonagh,  
Andreas Mügge, Petros Nihoyannopoulos, Catherine M Otto

## International Advisory Board

Barry Maron (USA)  
Thomas Marwick (Australia)  
William McKenna (UK)  
John McMurray (UK)  
Bernhard Meier (Switzerland)  
Neil Moat (UK)  
Jean-Luc Monin (France)  
Michael Mullen (UK)  
Brad Munt (Canada)  
Andrew Murday (UK)  
Stefan Neubauer (UK)  
David Newby (UK)  
Chris Newman (UK)  
Sunil Ohri (UK)  
Dudley Pennell (UK)  
Philippe Pibarot (Canada)  
Michael Picard (USA)  
Bernard Prendergast (UK)  
Prakash Punjabi (UK)  
Shahbudin Rahimtoola (USA)  
Margaret Redfield (USA)  
Simon Redwood (UK)  
John Sanderson (Hong Kong)  
James Scott (UK)  
Udo Sechtem (Germany)  
Ajay Shah (UK)  
Man-Fai Shiu (UK)  
L David R Smith (UK)  
Jordi Soler-Soler (Spain)  
Giuseppe Specchia (Italy)  
Martin St John Sutton (USA)  
Christodoulos Stefanadis (Greece)  
William Stevenson (USA)  
Kenneth Taylor (UK)  
James Thomas (USA)  
Martyn Thomas (UK)  
Adam Timmis (UK)  
Eric Topol (USA)  
Pilar Tornos (Spain)  
Dimitris Tousoulis (Greece)  
Alec Vahanian (France)  
Panos Vardas (Greece)  
Sami Viskin (Israel)  
Cees Visser (Netherlands)  
Nozomi Watanabe (Japan)  
Hugh Watkins (UK)  
Gary Webb (Canada)  
Sylvan Lee Weinberg (USA)  
Harvey White (New Zealand)  
William Wijns (Belgium)  
Junichi Yoshikawa (Japan)  
Editor: *British Medical Journal*

Christopher Acar (France)  
Felicita Andreotti (Italy)  
Fause Attie (Mexico)  
Philip Aylward (Australia)  
Gary Baxter (UK)  
George Beller (USA)  
Martin Bennett (UK)  
Javier Bermejo (Spain)  
Michael Burch (UK)  
Paolo Camici (UK)  
Keith Channon (UK)  
Alfred Cheng (Singapore)  
Andrew Clark (UK)  
Jacques Clementy (France)  
Stuart Cobbe (UK)  
Lawrence Cohen (USA)  
Stuart Connolly (Canada)  
Martin Cowie (UK)  
Nicolas Danchin (France)  
Carlo di Mario (UK)  
Maurice Enriquez-Sarano (USA)  
Jean-Noel Fabiani (France)  
Peter Fitzgerald (USA)  
Keith Fox (UK)  
R J Gibbons (USA)  
Paul Grayburn (USA)  
Sally Greaves (New Zealand)  
Julian Gunn (UK)  
Axel Haverich (Germany)  
Gerd Heusch (Germany)  
Pierre Jais (France)  
Karl Karsch (UK)  
Juan Carlos Kaski (UK)  
Sanjiv Kaul (USA)  
Bernard Keavney (UK)  
Bruce Keogh (UK)  
Robert Kloner (USA)  
Cornelius Klufft (Netherlands)  
Michel Komajda (France)  
Chim Choy Lang (Malaysia)  
Gaetano A Lanza (Italy)  
Christophe Leclercq (France)  
Malcolm Legget (New Zealand)  
Gregory Lip (UK)  
Peter Ludman (UK)  
Thomas Luscher (Switzerland)  
Philip MacCarthy (UK)  
Aldo Maggioni (Italy)

## Instructions to authors

Full instructions are available online at [www.heartjnl.com/misc/fora.shtml](http://www.heartjnl.com/misc/fora.shtml)  
If you do not have web access please contact the editorial office:  
Heart  
9 Fitzroy Square  
London W1T 5HW, UK  
Telephone +44 (0) 20 7383 4006  
Fax +44 (0) 20 7388 0323  
Email [heartjournal@bmjgroup.com](mailto:heartjournal@bmjgroup.com)

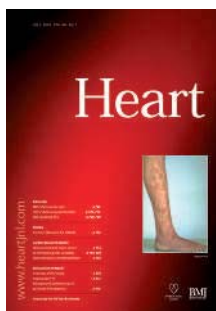
## Subscription information

See p iv

## Copyright

© 2004 BMJ Publishing Group and British Cardiac 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  
Authors are required to grant *Heart* an exclusive licence to publish; further details available online at [www.heartjnl.com/misc/fora.shtml](http://www.heartjnl.com/misc/fora.shtml)

- *Heart* is published by BMJ Publishing Group, typeset by The Charlesworth Group, and printed in UK on acid-free paper by Unwin Brothers, Woking
- Periodicals postage paid, Rahway, NJ. Postmaster: send address changes to: *Heart*, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA



## Editorials

- 725 B type natriuretic peptide testing: where are we now? *M R Cowie*
- 727 C reactive protein and microvascular function *F Tomai*
- 729 Risk stratification in acute coronary syndrome: focus on unstable angina/non-ST segment elevation myocardial infarction *R Bugiardini*

## Review

- 732 Anatomy of coronary disease in diabetic patients: an explanation for poorer outcomes after percutaneous coronary intervention and potential target for intervention *K P Morgan, A Kapur, K J Beatt*

## Cardiovascular medicine

- 739 Long term risk stratification of patients with acute coronary syndromes: characteristics of troponin T testing and continuous ST segment monitoring *B L Nørgaard, K Andersen, K Thygesen, J Ravkilde, P Abrahamsson, L Grip, M Dellborg*
- 745 Associations of components of adult height with coronary heart disease in postmenopausal women: the British women's heart and health study *D A Lawlor, M Taylor, G Davey Smith, D Gunnell, S Ebrahim*
- 750 Relation between C reactive protein concentrations and coronary microvascular endothelial function *H Teragawa, Y Fukuda, K Matsuda, K Ueda, Y Higashi, T Oshima, M Yoshizumi, K Chayama*
- 755 Management of chronic heart failure in the community: role of a hospital based open access heart failure service *S Shah, M K Davies, D Cartwright, P Nightingale*
- 760 Effects of carvedilol on left ventricular remodelling in chronic stable heart failure: a cardiovascular magnetic resonance study *N G Bellenger, K Rajappan, S L Rahman, A Lahiri, U Raval, J Webster, G D Murray, A J S Coats, J G F Cleland, D J Pennell, on behalf of the CHRISTMAS Study Steering Committee and Investigators*
- 765 Effects of spironolactone on endothelial function, vascular angiotensin converting enzyme activity, and other prognostic markers in patients with mild heart failure already taking optimal treatment *J E Macdonald, N Kennedy, A D Struthers*
- 771 A method for the morphological analysis of the regurgitant mitral valve using three dimensional echocardiography *A Macnab, N P Jenkins, I Ewington, B J M Bridgewater, T L Hooper, D L Greenhalgh, M R Patrick, S G Ray*
- 777 Acute and chronic effects of oestradiol on left ventricular diastolic function in hypertensive postmenopausal women with left ventricular diastolic dysfunction *I N Alecrin, J M Aldrighi, M A Caldas, O C E Gebara, N H M Lopes, J A F Ramirez*

## Interventional cardiology and surgery

- 782 One year comparison of costs of coronary surgery versus percutaneous coronary intervention in the stent or surgery trial *W S Weintraub, E M Mahoney, Z Zhang, H Chu, J Hutton, M Buxton, J Booth, F Nugara, R H Stables, P Dooley, J Collinson, M Stuteville, N Delahunty, A Wright, M D Flather, E De Cock*



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

## Congenital heart disease

- 789 The role of echocardiography in diagnosing double chambered right ventricle in adults *P Hoffman, A W Wójcik, J Różański, H Siudalska, E Jakubowska, E K Włodarska, M Kowalski*

## Basic research

- 794 Distinct yet complementary mechanisms of heparin and glycoprotein IIb/IIIa inhibitors on platelet activation and aggregation: implications for restenosis during percutaneous coronary intervention *J R S Day, I S Malik, A Weerasinghe, M Poullis, I Nadra, D O Haskard, K M Taylor, R C Landis*

## Scientific letters

- 800 The impact of baseline left ventricular size and mitral regurgitation on reverse left ventricular remodelling in response to carvedilol: size doesn't matter *E Kotlyar, C S Hayward, A M Keogh, M Feneley, P S Macdonald*
- 802 Plasma homocysteine and calcific aortic valve disease *G M Novaro, H D Aronow, E Mayer-Sabik, B P Griffin*
- 804 Low grade inflammation is notably suppressed by conventional anti-inflammatory treatment: a randomised crossover trial *C G Perry, S J Cleland, J M Connell, J R Petrie, N Sattar*
- 806 Pulmonary oedema induced by emotional stress, by sexual intercourse, and by exertion in a cold environment in people without evidence of heart disease *P T Wilmshurst*

## Education in Heart

- 808 Anticoagulation in the young *P Monagle*
- 813 Role of oral anticoagulation in management of atrial fibrillation *E Crystal, S J Connolly*
- 817 Learning on the web: Case 6: Aortic valve replacement in the elderly
- 818 Management and follow up of prosthetic valve patients *C Seiler*

## JournalScan

- 826 Cardiovascular highlights from non-cardiology journals

## Electronic pages

- e38 Persistent nicorandil induced oral ulceration *C M Healy, Y Smyth, S R Flint*
- e39 Spontaneous coronary artery dissection involving the left main stem: assessment by

intravascular ultrasound *J Auer, C Punzengruber, R Berent, T Weber, G Lamm, P Hartl, B Eber*

- e40 Long term survival in primary pulmonary hypertension *M Halank, C Marx, G Hoeffken*
- e41 Massive pulmonary embolism with ST elevation in leads V1–V3 and successful thrombolysis with tenecteplase *I G Livaditis, M Paraschos, K Dimopoulos*
- e42 Fatal pulmonary arterial hypertension associated with phenylpropanolamine exposure *R J Barst, L Abenheim*
- e43 Atypical cause of hibernating myocardium due to complex cardiovascular lesions associated with Takayasu's arteritis *M Nakajima, K Tsuchiya, J Obata*
- e44 Reversible dilated cardiomyopathy associated with glucagonoma *K Chang-Chretien, J T Chew, D P Judge*

## Miscellanea

- 731 Images in cardiology: Percutaneous device closure of post-infarction ventricular septal defect with aneurysm *C J Burrell, L A Zacharkiw, J V deGiovanni*
- 738 Images in cardiology: Spontaneous polymorphic ventricular tachycardia recorded during an electroencephalogram in a patient with apparent epilepsy *O Paziud, O Piot, N Elbaz*
- 749 Electronic pages
- 754 Electronic pages
- 764 Images in cardiology: Giant left main stem thrombus in a patient with acute coronary syndrome *E Ng, T Azeem, G A Ng*
- 776 Electronic pages
- 793 Images in cardiology: Emergency endovascular aortic stenting for the treatment of a ruptured atherosclerotic ulcer *J Eichhöfer, A R J Mitchell, A P Banning*
- 799 Images in cardiology: Successful stenting of the left anterior descending artery in a patient with a single left coronary ostium *S Aziz, D R Ramsdale*
- 801 Images in cardiology: Plastic bronchitis after Fontan operation: treatment with stent fenestration of the Fontan circuit *M Chaudhari, O Stumper*
- 803 Images in cardiology: A novel streamlined "anchored" anatomical approach to ablation of AVNRT *J R Gimbel*
- 805 Web Top 10
- 825 Images in cardiology: Detection of right atrial and pulmonary artery thrombosis after the Fontan procedure by magnetic resonance imaging *G Casolo, L Rega, G F Gensini*