

Heart

Formerly British Heart Journal
Journal of the British Cardiac Society

Editor

Roger J Hall

Deputy Editor

David Lefroy

Commissioning Editor

Peter Mills

Associate Editors

Adrian P Banning, Gary F Baxter, Martin Cowie, Filippo Crean, John L Gibbs, Bernard Iung, Andreas Mügge, Iain A Simpson

US Associate Editor

Catherine M Otto
(Washington)

JournalScan Editor

Iqbal S Malik

Statistical Advisor

Ian Ford

Managing Editor

Janet O'Flaherty

Technical Editor

John Weller

Editorial Assistants

Ian Betteridge

Stephanie Watkins

International Advisory Board

Gianni de Angelini (UK)
Fausto Attie (Mexico)
Philip E G Aylward (Australia)
George A Beller (USA)
Martin R Bennett (UK)
Nicholas A Boon (UK)
Roger M Boyle (UK)
Paulo G Camici (UK)
Terry Campbell (Australia)
Alfred Cheng (Singapore)
Stuart M Cobbe (UK)
Lawrence S Cohen (USA)
David C Crossman (UK)
Nicolas Danchin (France)
Henry J Dargie (UK)
Mark A de Belder (UK)
Pim J de Feyter (Netherlands)
Carlo di Mario (Italy)
Jean-Noel Fabiani (France)
Roberto Ferrari (Italy)
Peter J Fitzgerald (USA)
Keith A A Fox (UK)
D S Gambhir (India)
Clifford J Garratt (UK)
Marc H Gewillig (Belgium)
Sally Greaves (New Zealand)
Jorgen Fischer Hansen (Denmark)
Axel Haverich (Germany)
Otto M Hess (Switzerland)
Gerd Heusch (Germany)
Pierre Jain (France)
Jean Kachaner (France)
Sanjiv Kaul (USA)
Bruce Keogh (UK)
Robert A Kloner (USA)
Cornelius Kluit (Netherlands)
Michael Komajda (France)
S Krishnaswami (India)
C C Lang (Malaysia)

Herve LeMarec (France)

Janet M McComb (UK)

Bernard Meier (Switzerland)

R Gordon Murray (UK)

Catherine M Otto (USA)

Dudley J Pennell (UK)

Shahbuddin H Rahimtoola (USA)

John Sanderson (Hong Kong)

Maurice E Sarano (USA)

Pinchas Sareli (South Africa)

James Scott (UK)

Ajay M Shah (UK)

Man Fai Shiu (UK)

Jordi Soler-Soler (Spain)

Giuseppe Specchia (Italy)

Martin St John Sutton (USA)

William G Stevenson (USA)

Kenneth M Taylor (UK)

Adam D Timmis (UK)

James D Thomas (USA)

Eric Topol (USA)

Dimitris Tousoulis (Greece)

Pavlos K Toutouzas (Greece)

Tom Treasure (UK)

Alec Vahanian (France)

Cees A Visser (Netherlands)

Ludwig K von Segesser (Switzerland)

Carole A Warnes (USA)

Hugh Watkins (UK)

Gary Webb (Canada)

Sylvan Lee Weinberg (USA)

Harvey D White (New Zealand)

Peter Wilde (UK)

Neil Wilson (UK)

Junichi Yoshikawa (Japan)

Editor: *British Medical Journal*

Editor Emeritus: Michael J Davies

Instructions to authors

Full instructions are available online at [www.heartjnl.com/mis...](http://www.heartjnl.com/misc/ifora.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@bmjjournals.com

Subscription information

See page ii

Copyright

© 2002 *Heart*. 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 the prior permission of *Heart*.

Authors are required to grant *Heart* an exclusive licence to publish; further details available online at [www.heartjnl.com/mis...](http://www.heartjnl.com/misc/ifora.shtml)

• *Heart* is published by BMJ Publishing Group and printed in UK on acid free paper by Stephens and George Magazines Limited, Merthyr Tydfil

• Periodicals postage paid, Rahway, NJ. Postmaster: send address changes to: *Heart*, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA

contents HEART

Volume 88 Number 2 August 2002



Editorials

- 113 Survivors of coarctation repair: fixed but not cured *D S Celermajer, K Greaves*

- 115 The erythrocyte: a new player in atheromatous core formation *G Pasterkamp, R Virmani*

Viewpoint

- 117 Physician administered sedation for DC cardioversion *S J Harrison, J Mayet*



See p 142

Cardiovascular medicine

- 119 Trends in mortality from cardiovascular and cerebrovascular diseases in Europe and other areas of the world *F Levi, F Lucchini, E Negri, C La Vecchia*

- 125 Prevalence of myocardial viability assessed by single photon emission computed tomography in patients with chronic ischaemic left ventricular dysfunction *A F L Schinkel, J J Bax, F B Sozzi, E Boersma, R Valkema, A Elhendy, J R T C Roelandt, D Poldermans*

- 131 Relation between early mitral regurgitation and left ventricular thrombus formation after acute myocardial infarction: results of the GISSI-3 echo substudy *L Ascione, F Antonini-Canterin, F Macor, E Cervesato, F Chiarella, P Giannuzzi, P L Temporelli, F Gentile, D Lucci, A P Maggioni, L Tavazzi, L Badano, I Stoian, R Piazza, E Bosimini, D Pavan, G L Nicolosi, on behalf of the Gissi-3 Echo Substudy Investigators*

- 137 Can coronary flow velocity reserve determined by transthoracic Doppler echocardiography predict the recovery of regional left ventricular function in patients with acute myocardial infarction? *Y Ueno, Y Nakamura, M Kinoshita, T Fujita, T Sakamoto, H Okamura*

- 143 Quantification of glyceryl trinitrate effect through analysis of the synthesised ascending aortic pressure waveform *X J Jiang, M F O'Rourke, W Q L Jin, L S Liu, C W Li, P C Tai, X C Zhang, S Z Liu*

- 149 Physiological changes in ventricular filling alter cardiac electrophysiology in patients with abnormal ventricular function *P R James, S M C Hardman, P Taggart*

- 153 Relation between QT duration and maximal wall thickness in familial hypertrophic cardiomyopathy *X Jouven, A Hagege, P Charron, L Carrier, O Dubourg, J M Langlard, S Aliaga, J B Bouhour, K Schwartz, M Desnos, M Komajda*

Interventional cardiology and surgery

- 159 Use of secondary preventive drugs in patients with acute coronary syndromes treated medically or with coronary angioplasty: results from the nationwide French PREVENIR survey *N Danchin, O Grenier, J Ferrieres, C Cantet, J-P Cambou*



www.publicationethics.org.uk

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

Congenital heart disease

- 163 Prevalence of hypertension in children after early repair of coarctation of the aorta: a cohort study using casual and 24 hour blood pressure measurement *JJ O'Sullivan, G Derrick, R Darnell*
167 Coil occlusion of systemic venous collaterals in hypoplastic left heart syndrome *R E Andrews, R M R Tulloh, D R Anderson*

Basic research

- 170 Preload-adjusted maximal power: a novel index of left ventricular contractility in atrial fibrillation *M Takagaki, P M McCarthy, M Chung, J Connor, R Dessoify, Y Ochiai, M Howard, K Doi, M Kopacak, T N Mazgalev, K Fukamachi*
177 Plaque composition in plexogenic and thromboembolic pulmonary hypertension: the critical role of thrombotic material in pultaceous core formation *E Arbusstini, P Morbini, A M D'Armini, A Repetto, G Minzioni, F Piovella, M Viganò, L Tavazzi*

Featured case report

- 183 Reversible left ventricular dysfunction simulating a myocardial infarction after pericardectomy *D E Wood, A J Crumbley, N L Pereira*

Scientific letters

- 185 Effects of combined treatment with enalapril and losartan on myocardial function in heart failure *G Cocco, S Kohn, P Jerie*
187 Dying from heart failure in hospital: palliative decision making analysis *F Formiga, E Espel, D Chivite, R Pujol*
188 Congenital junctional ectopic tachycardia in children and adolescents: a 20 year experience based study *B Sarubbi, B Musto, V Ducceschi, A D'Onofrio, C Cavallaro, F Vecchione, C Musto, R Calabro*
191 Plasma concentrations of N-terminal atrial natriuretic peptide are raised in asymptomatic relatives of dilated cardiomyopathy patients with left ventricular enlargement *J Grzybowski, Z T Bilinska, J Janas, E Michalak, W Ruzyllo*

Education in Heart

- 193 Arteriosclerotic renal artery stenosis: conservative versus interventional management *C Haller*
198 Heart failure in the young *M Burch*
203 Effect of partial compliance on cardiovascular medication effectiveness *J A Cramer*

JournalScan

- 207 Cardiovascular highlights from non-cardiology journals

Electronic pages

- e3 Use of the transseptal puncture in transcatheter closure of long tunnel-type patent foramen ovale *C J McMahon, H G El Said, C E Mullins*
e4 Endovascular stent repair for a dissecting thoracoabdominal aneurysm is feasible in the setting of a district general hospital: a multidisciplinary approach *M J S Zaman, V Carre, S Parvin, D Shepherd, J Radvan*

Miscellanea

- 118 Stamps in cardiology: Quinine *M K Davies, A Hollman*
130 Images in cardiology: Spontaneous right coronary artery dissection *C S R Baker, C Knight, A Deaner*
136 Images in cardiology: Imaginary aortic leaflets *G Crespo, S Maraj, L E Jacobs*
136 Images in cardiology: Cyanosis, cor triatriatum, and primum atrial septal defect in an adult *G Niccoli, P Heck, A P Banning*
141 Images in cardiology: A rare congenital coronary anomaly: anomalous origin of the right coronary artery from the pulmonary artery *C Rotzsch, M Kabus, H-J Häusler*
142 Images in cardiology: Common atrium in a child with Ellis-Van Creveld syndrome *C G Sajeet, T N S Roy, K Venugopal*
142 Images in cardiology: Effect of coronary angioplasty on "stunned" myocardium *K M English, A Al-Mohammad, G D Oakley*
148 Images in cardiology: Constrictive pericarditis caused by infiltration of non-Hodgkin's lymphoma *T Noma, K Mizushige, M Kohno*
152 Electronic pages
158 Images in cardiology: Angiographic evidence of aberrant right subclavian artery associated with common carotid trunk *M Fineschi, A Iadanza, G Sinicropi, C Pierli*
158 Images in cardiology: Autocapture stimulus simulating atrioventricular sequential pacing *C G Sajeet, T N S Roy, J Francis*
176 Images in cardiology: Computed tomography of the aortic valve *G Morgan-Hughes, C A Roobottom, A J Marshall*
186 Images in cardiology: Preoperative treatment with phenoxybenzamine restores ECG to normal in a woman with pheochromocytoma *C P Tsoufis, C I Stefanidis, P K Toutouzas*
190 Images in cardiology: Visualisation of activation and repolarisation in congenital long QT syndrome *W Shimizu, K Satomi, S Kamakura*
192 Images in cardiology: Narrowing of the thoraco-abdominal aorta *M Shimoyama, T Doi, K Uchida*
208 Web Top 10

