

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 Crea, John L Gibbs, Bernard Jung, 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
Alice Gilbertson

International Advisory Board

Gianni de Angelini (UK)
Faustine 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 Jaïs (France)
Jean Kachaner (France)
Sanjiv Kaul (USA)
Bruce Keogh (UK)
Robert A Kloner (USA)
Cornelius Kluyt (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)
Shahbudin H Rahimtoolah (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/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@bmjgroup.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/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



See p 209



www.publicationethics.org.uk

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

contents HEART

Volume 87 Number 3 March 2002

Editorials

- 185 Death following coronary angioplasty
H H Gray, K G Callum
- 187 Intracoronary stenting: developments since the NICE report
A H Gershlick
- 191 Mechanical reperfusion therapy for acute myocardial infarction: Stent PAMI, ADMIRAL, CADILLAC and beyond
B R Brodie, T D Stuckey
- 193 More light on QT interval measurement
L Toivonen
- 195 New coronary imaging techniques: what to expect?
P J de Feyter, K Nieman

Training

- 198 Training in academic cardiology: prospects for a better future
P Weissberg, H Watkins, D Crossman, P Poole-Wilson

Review

- 201 Inflammation in acute coronary syndromes
N T Mulvihill, J B Foley

Cardiovascular medicine

- 205 Virtual coronary angiography using multislice computed tomography
S Schroeder, A F Kopp, B Ohnesorge, H Loke-Gie, A Kuettner, A Baumbach, C Herdeg, C D Claussen, K R Karsch
- 210 Active versus borderline myocarditis: clinicopathological correlates and prognostic implications
A Angelini, M Crosato, G M Boffa, F Calabrese, V Calzolari, R Chioin, L Daliento, G Thiene
- 216 Restricted weekend service inappropriately delays discharge after acute myocardial infarction
A M Varnava, J E C Sedgwick, A Deaner, K Ranjadayalan, A D Timmis
- 220 Relation between QT and RR intervals is highly individual among healthy subjects: implications for heart rate correction of the QT interval
M Malik, P Färbon, V Batchvarov, K Hnatkova, A J Camm
- 229 Effect of allopurinol on mortality and hospitalisations in chronic heart failure: a retrospective cohort study
A D Struthers, P T Donnan, P Lindsay, D McNaughton, J Broomhall, T M MacDonald
- 235 Health related quality of life in patients with congestive heart failure: comparison with other chronic diseases and relation to functional variables
J Juenger, D Schellberg, S Kraemer, A Haunstetter, C Zugck, W Herzog, M Haass
- 242 Increased pericardial fluid concentrations of the mature form of adrenomedullin in patients with cardiac remodelling
K Tambara, M Fujita, N Nagaya, S Miyamoto, A Iwakura, K Doi, G Sakaguchi, K Nishimura, K Kangawa, M Komeda
- 247 Left ventricular diastolic function assessed using Doppler tissue imaging in patients with hypertrophic cardiomyopathy: relation to symptoms and exercise capacity
Y Matsumura, P M Elliott, M S Virdee, P Sarajja, Y Doi, W J McKenna

Interventional cardiology and surgery

- 252 Impact of angiotensin converting enzyme inhibition on post-coronary artery bypass interleukin 6 release *D J Brull, J Sanders, A Rumley, G D Lowe, S E Humphries, H E Montgomery*

Congenital heart disease

- 256 Natural history of growth of secundum atrial septal defects and implications for transcatheter closure *C J McMahon, T F Feltes, J K Fraley, J T Bricker, R G Grifka, T A Tortoriello, R Blake, L I Bezold*
- 260 Transcatheter closure of high pulmonary artery pressure persistent ductus arteriosus with the Amplatzer muscular ventricular septal defect occluder *B D Thanopoulos, G S Tsaousis, M Djukic, F Al Hakim, N G Eleftherakis, S D Simeunovic*

Basic research

- 264 Tetrahydrobiopterin restores endothelial function of coronary arteries in patients with hypercholesterolaemia *Y Fukuda, H Teragawa, K Matsuda, T Yamagata, H Matsuura, K Chayama*
- 270 Genetic polymorphisms in the renin-angiotensin-aldosterone system associated with expression of left ventricular hypertrophy in hypertrophic cardiomyopathy: a study of five polymorphic genes in a family with a disease causing mutation in the myosin binding protein C gene *J R Ortlepp, H P Vosberg, S Reith, F Ohme, N G Mahon, D Schröder, H G Klues, P Hanrath, W J McKenna*

Scientific letters

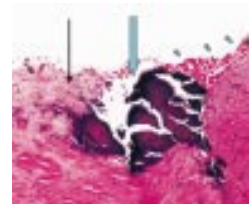
- 276 Replacement of extracted permanent pacemaker or defibrillator leads by cannulation of veins using the femoral "drag through" technique *R J Schilling*
- 279 Khat chewing and acute myocardial infarction *A Al-Motarreb, M Al-Kebsi, B Al-Adhi, K J Broadley*
- 281 Angiogenesis in chronically ischaemic human heart following percutaneous myocardial revascularisation *J M Cotton, M R Thomas, B J Dunmore, J Salisbury, A M Shah, N P J Brindle*

Education in Heart

- 284 Myocardial molecular biology: an introduction *N J Brand, P J R Barton*
- 294 The need for palliative care in the management of heart failure *C Ward*
- 299 Which patient should be referred to an electrophysiologist: supraventricular tachycardia *R J Schilling*

Miscellanea

- 200 Stamps in cardiology: Conferences *M K Davies, A Hollman*
- 209 Images in cardiology: Incorrect administration of buccal glyceryl trinitrate *A Watson, L Michaels*
- 215 Images in cardiology: Atrioventricular septal defect with cor triatriatum *T D Reddy, E Valderrama, F Z Bierman*
- 219 Images in cardiology: A case of spontaneous closure of coronary artery fistula with familial hypercholesterolaemia *T Iwaki, M Shimizu, H Mabuchi*
- 234 Images in cardiology: Haemopericardium and Brugada-like ECG pattern in rheumatoid arthritis *J Tomcsányi, T Simor, L Papp*
- 241 Images in cardiology: Successful coronary artery stenting for spontaneous coronary artery dissection *V Suresh, S Ray, N Naqqi*
- 263 Images in cardiology: Aortic abscess to right atrium fistula *P R James, L S Lee, S R M Holmberg*
- 275 Images in cardiology: Paraoesophageal hiatal hernia as a rare cause of dyspnoea *C Gürgün, O Yavuzgil, M Akın*
- 278 Images in cardiology: Thoraco-omphalagus twins: heart to heart *M Beghetti, T Abdel-Massih, P Bonhoeffer*
- 278 Images in cardiology: Unroofed coronary sinus *S Nakatani, K Katsuki, K Miyatake*
- 280 Web Top 10
- 283 Images in cardiology: Microscopic evidence of effective ablation of calcium and metal from coronary arteries treated with directional coronary atherectomy using the Flexicut device *F Ribichini, F Pugno, C Di Mario*



See p 283