

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, Keith Channon, Filippo Crea, David Crossman, John L Gibbs, Bernard Lung, Theresa A McDonagh, Andreas Mügge, Petros Nihoyannopoulos, Catherine M Otto

International Advisory Board

Christopher Acar (France)	Barry Maron (USA)
Felicita Andreotti (Italy)	Thomas Marwick (Australia)
Faust Attie (Mexico)	William McKenna (UK)
Philip Aylward (Australia)	John McMurray (UK)
Peder Bagger (UK)	Bernhard Meier (Switzerland)
Suman Bhandari (India)	Neil Moat (UK)
Gary Baxter (UK)	Jean-Luc Monin (France)
George Beller (USA)	Michael Mullen (UK)
Martin Bennett (UK)	Brad Munt (Canada)
Javier Bermejo (Spain)	Andrew Munday (UK)
Michael Burch (UK)	Stefan Neubauer (UK)
Paolo Camici (UK)	David Newby (UK)
David Celermajer (New Zealand)	Chris Newman (UK)
Keith Channon (UK)	Sunil Ohri (UK)
Alfred Cheng (Singapore)	Dudley Pennell (UK)
Andrew Clark (UK)	Philippe Pibarot (Canada)
Jacques Clementy (France)	Michael Picard (USA)
Stuart Cobbe (UK)	Bernard Prendergast (UK)
Lawrence Cohen (USA)	Prakash Punjabi (UK)
Stuart Connolly (Canada)	Shabbudin Rahimtoola (USA)
Martin Cowie (UK)	Margaret Redfield (USA)
Nicolas Danchin (France)	Simon Redwood (UK)
Carlo di Mario (UK)	David Sahn (USA)
Maurice Enriquez-Sarano (USA)	John Sanderson (Hong Kong)
Jean-Noel Fabiani (France)	James Scott (UK)
Peter Fitzgerald (USA)	Udo Sechtem (Germany)
Keith Fox (UK)	Ajay Shah (UK)
R J Gibbons (USA)	Man-Fai Shiu (UK)
Paul Grayburn (USA)	L David R Smith (UK)
Julian Gunn (UK)	Jordi Soler-Soler (Spain)
Axel Haverich (Germany)	Giuseppe Specchia (Italy)
Gerd Heusch (Germany)	Martin St John Sutton (USA)
Pierre Jais (France)	Christodoulos Stefanadis (Greece)
Karl Karsch (UK)	William Stevenson (USA)
Juan Carlos Kaski (UK)	Kenneth Taylor (UK)
Sanjiv Kaul (USA)	James Thomas (USA)
Bernard Keavney (UK)	Adam Timmis (UK)
Bruce Keogh (UK)	Eric Topol (USA)
Robert Kloner (USA)	Pilar Tornos (Spain)
Cornelius Klufft (Netherlands)	Dimitris Tousoulis (Greece)
Michel Komajda (France)	Alec Vahanian (France)
Chim Choy Lang (Malaysia)	Panos Vardas (Greece)
Gaetano A Lanza (Italy)	Sami Viskin (Israel)
Christophe Leclercq (France)	Cees Visser (Netherlands)
Malcolm Legget (New Zealand)	Nozomi Watanabe (Japan)
Gregory Lip (UK)	Hugh Watkins (UK)
Peter Ludman (UK)	Gary Webb (Canada)
Thomas Luscher (Switzerland)	Sylvan Lee Weinberg (USA)
Philip MacCarthy (UK)	Harvey White (New Zealand)
Aldo Maggioni (Italy)	William Wijns (Belgium)
	Junichi Yoshikawa (Japan)
	Editor: <i>British Medical Journal</i>

Instructions to authors

All papers must be submitted via BenchPress at <http://submit-heart.bmjournals.com/>

Subscription information

See p iv

Copyright

© 2006 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/ifora.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

- 145 Sex differences and cardiovascular risk
A Cordero, E Alegria
- 147 B-type natriuretic peptide: a role in selection and follow up of the implantable cardioverter-defibrillator patient? *M Anderson*
- 149 Natriuretic peptides as a prognostic marker and therapeutic target in heart failure *G A Wright, A D Struthers*
- 152 Can we ablate permanent atrial fibrillation?
G Haywood

Heart review

- 155 Antithrombotic treatment in atrial fibrillation
G Y H Lip, C J Boos

Cardiovascular medicine

- 162 Decline in incidence of hospitalisation for acute myocardial infarction in the Netherlands from 1995 to 2000 *H L Koek, A de Bruin, A Gast, E Gevers, J W P F Kardaun, J B Reitsma, D E Grobbee, M L Bots*
- 166 Effect of α linolenic acid on cardiovascular risk markers: a systematic review *E Wendland, A Farmer, P Glasziou, A Neil*
- 170 Phosphodiesterase type 5 inhibition does not reverse endothelial dysfunction in patients with coronary heart disease *S D Robinson, C A Ludlam, N A Boon, D E Newby*
- 177 Favourable long term prognosis in stable angina pectoris: an extended follow up of the angina prognosis study in Stockholm (APISIS) *P Hjemdahl, S V Eriksson, C Held, L Forslund, P Näsman, N Rehnqvist*
- 183 Identification of patients with evolving coronary syndromes by using statistical models with data from the time of presentation *R L Kennedy, R F Harrison*
- 190 Preimplantation B-type natriuretic peptide concentration is an independent predictor of future appropriate implantable defibrillator therapies *A Verma, F Kilicaslan, D O Martin, S Minor, R Starling, N F Marrouche, S Almahammed, O M Wazni, S Duggal, R Zuzek, H Yamaji, J Cummings, M K Chung, P J Tchou, A Natale*
- 196 Evaluation of survival and ischaemic and thromboembolic event rates in patients with non-valvular atrial fibrillation in the general population when treated and untreated with warfarin *C J Currie, M Jones, J Goodfellow, P McEwan, C L Morgan, C Emmas, J R Peters*
- 201 New quantitative methods for evaluation of dynamic changes in QT interval on 24 hour Holter ECG recordings: QT interval in idiopathic ventricular fibrillation and long QT syndrome *M Sugao, A Fujiki, M Sakabe, K Nishida, T Tsuneda, J Iwamoto, K Mizumaki, H Inoue*



www.publicationethics.org.uk

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

208 Impaired coronary and myocardial flow in severe aortic stenosis is associated with increased apoptosis: a transthoracic Doppler and myocardial contrast echocardiography study *L Galiuto, M Lotrionte, F Crea, A Anselmi, G G L Biondi-Zoccai, F De Giorgio, A Baldi, F Baldi, G Possati, M Gaudino, G W Vetrovec, A Abbate*

213 Improved quantification of left ventricular mass based on endocardial and epicardial surface detection with real time three dimensional echocardiography *E G Caiani, C Corsi, L Sugeng, P MacEneaney, L Weinert, V Mor-Avi, R M Lang*

220 Effect of inhaled sulphur dioxide and carbon particles on heart rate variability and markers of inflammation and coagulation in human subjects *H C Routledge, S Manney, R M Harrison, J G Ayres, J N Townend*

228 Alteration of proximal aorta biophysical properties in patients with end stage renal disease *A P Patrianakos, D N Karakitsos, E de Groot, F I Parthenakis, E K Daphnis, P E Vardas*

Interventional cardiology and surgery

233 Catheter ablation of permanent atrial fibrillation: medium term results *M J Earley, D J R Abrams, A D Staniforth, S C Sporton, R J Schilling*

239 Long term prognostic value of myocardial viability and ischaemia during dobutamine stress echocardiography in patients with ischaemic cardiomyopathy undergoing coronary revascularisation *V Rizzello, D Poldermans, A F L Schinkel, E Biagini, E Boersma, A Elhendy, F B Sozzi, A Maat, F Crea, J R T C Roelandt, J J Bax*

Basic research

245 Breakable stent for interventions in infants and neonates: an animal study and histopathological findings *M Sigler, K Schneider, M Meissler, K König, M B E Schneider*

Scientific letters

249 Novel anti-inflammatory effect of statins: reduction of CD4⁺CD28^{null} T lymphocyte frequency in patients with unstable angina *S Brugaletta, L M Biasucci, M Pinnelli, G Biondi-Zoccai, G Di Giannuario, G Trotta, G Liuzzo, F Crea*

251 Randomised comparison of manual compression repair versus ultrasound guided compression repair of postcatheterisation femoral

pseudoaneurysms *M Paschalidis, W Theiss, K Kölling, R Busch, A Schömig*

253 Progenitor cell mobilisation in patients with acute and chronic coronary artery disease *A Gaspardone, F Menghini, V Mazzuca, O Skossyрева, G Barbato, P de Fabritiis*

255 Relation between severity of left ventricular systolic dysfunction and repolarisation abnormalities on the surface ECG: a report from the Euro heart failure survey *P Velavan, NK Khan, A S Rigby, K Goode, M Komajda, F Follath, K Swedberg, H Madeira, A L Clark, J G F Cleland*

257 Triggering of acute coronary syndromes after a chemical plant explosion *J-B Ruidavets, S Paterniti, V Bongard, M Giroux, S Cassadou, J Ferrières*

259 Fasting hypertriglyceridaemia increases carotid intima-media thickness and impairs coronary microvascular functions in non-obese middle aged women but not in men *D Erdogan, H Gullu, M Caliskan, O Ciftci, S Topcu Baycan, M Bilgi, T Ulus, S Kulaksizoglu, H Muderrisoglu*

261 Impact of cinematic viewing on endothelial function *M Miller, C Mangano, Y Park, R Goel, G D Plotnick, R A Vogel*

263 Magnetic resonance imaging of the brain and haematological profile in adult cyanotic congenital heart disease without stroke *H Horigome, N Iwasaki, I Anno, S Kurachi, K Kurachi*

Education in Heart

266 Catheter and surgical ablation of atrial fibrillation *Mark J Earley, Richard J Schilling*

275 Mitral valve repair: better than replacement *J M Ferrão de Oliveira, Manuel J Antunes*

282 Cardiac sarcoidosis *Abdul R Doughan, Byron R Williams*

Miscellanea

146 Stamps in cardiology: Millennium stamps *M K Davies, A Hollman*

154 Images in cardiology: Left ventricular pseudoaneurysm complicating acute myocardial infarction: improved diagnosis by real time three dimensional echocardiography *X Freixa, M Sitges, C Paré*

165 Images in cardiology: Use of magnetic resonance imaging in the diagnosis of aneurysm of fossa ovalis *A Sonllewa, P Robles, J Parra*

- 169 Images in cardiology: Aberrant right coronary artery collaterals to pulmonary vascular bed *E Aslan, B C Thwaites, B C Ogilvie*
- 176 Images in cardiology: Pseudo-supraventricular tachycardia *T Arita, A Hayashida, H Ito*
- 182 Images in cardiology: False positive massive pulmonary embolus *H K Mohan, A M Groves, E J Baker*
- 195 Images in cardiology: Myocardial calcification: a rare cause of diastolic dysfunction *W Mullens, J D Keyser, W Droogne*
- 200 Images in cardiology: Abnormal left atrial membranous structure in transthoracic echocardiography caused by external compression from a large bronchogenic cyst *S-G Ahn, S-J Tahk, J-H Shin*

- 238 Images in cardiology: Left atrial obliteration after coronary artery perforation *K C Koch, J Graf, P Hanrath*
- 254 From BMJ Journals
- 256 Web Top 10
- 262 Images in cardiology: Intramyocardial bridging of the left anterior descending artery: appearance of arterial compression on ECG gated multidetector row CT *N E Manghat, C A Roobottom, A J Marshall*
- 265 Images in cardiology: Fistulas from all three major coronaries arteries to the left ventricle *Y Kashima, H Tsutsui, U Ikeda*



This logo indicates an article that was published online first ahead of print

.....
Electronic pages

- e1 BSCR Autumn Meeting 2005 abstracts