

Heart

Formerly British Heart Journal
Journal of the British Cardiovascular Society

Editor

Roger J Hall (UK)

Commissioning Editor

Iain Simpson (UK)

Associate Editors

Adrian P Banning (UK)
Jeroen Bax (The Netherlands)
Eric Butchart (UK)
Keith Channon (UK)
Andrew Clark (UK)
Filippo Crea (Italy)
David Crossman (UK)

International Advisory Board

C Acar (France)
F Andreotti (Italy)
F Attie (Mexico)
P Aylward (Australia)
P Bagger (UK)
S Bhandari (India)
G Baxter (UK)
G Beller (USA)
M Bennett (UK)
J Bermejo (Spain)
M Burch (UK)
P Camici (UK)
D Celermajer (New Zealand)
K Channon (UK)
A Cheng (Singapore)
A Clark (UK)
J Clementy (France)
S Cobbe (UK)
L Cohen (USA)
S Connolly (Canada)
M Cowie (UK)
N Danchin (France)
C di Mario (UK)
M Enriquez-Sarano (USA)
J-N Fabiani (France)
P Fitzgerald (USA)
K Fox (UK)
R J Gibbons (USA)
P Grayburn (USA)
J Gunn (UK)
A Haverich (Germany)
G Heusch (Germany)
P Jais (France)
K Karsch (UK)
J Carlos Kaski (UK)
S Kaul (USA)
B Keavney (UK)
B Keogh (UK)
R Kloner (USA)
C Kluyt (The Netherlands)
M Komajda (France)
C Choy Lang (Malaysia)
G A Lanza (Italy)
C Leclercq (France)
M Legget (New Zealand)
G Lip (UK)
P Ludman (UK)
T Luscher (Switzerland)
P MacCarthy (UK)
A Maggioni (Italy)

Deputy Editor

David Lefroy (UK)

Series Editor, Education in Heart

Peter Mills (UK)

John L Gibbs (UK)
Bernard Jung (France)
Theresa A McDonagh (UK)
Andreas Mügge (Germany)
Petros Nihoyannopoulos (UK)
Catherine M Otto (USA)

B Maron (USA)
T Marwick (Australia)
W McKenna (UK)
J McMurray (UK)
B Meier (Switzerland)
N Moat (UK)
J-L Monin (France)
M Mullen (UK)
B Munt (Canada)
A Murday (UK)
S Neubauer (UK)
D Newby (UK)
C Newman (UK)
S Ohri (UK)
D Pennell (UK)
P Pibarot (Canada)
M Picard (USA)
B Prendergast (UK)
P Punjabi (UK)
S Rahimtoola (USA)
M Redfield (USA)
S Redwood (UK)
D Sahn (USA)
J Sanderson (UK)
J Scott (UK)
U Sechtem (Germany)
A Shah (UK)
M-F Shiu (UK)
L D R Smith (UK)
J Soler-Soler (Spain)
G Specchia (Italy)
M St John Sutton (USA)
C Stefanadis (Greece)
W Stevenson (USA)
K Taylor (UK)
J Thomas (USA)
A Timmis (UK)
E Topol (USA)
P Tornos (Spain)
D Tousoulis (Greece)
A Vahanian (France)
P Vardas (Greece)
S Viskin (Israel)
C Visser (Netherlands)
N Watanabe (Japan)
H Watkins (UK)
G Webb (Canada)
S Lee Weinberg (USA)
H White (New Zealand)
W Wijns (Belgium)
J Yoshikawa (Japan)
Editor: *British Medical Journal*

Guidelines for authors and reviewers

Full instructions are available online at
www.heart.bmjournals.com/ifora

Subscription information

See p iv

Copyright

© 2006 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. 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 MPG Impressions, Cheshington
• Copyediting services provided by Macmillan India Ltd
• 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 92 Number 12 December 2006



Editorials

- 1713 The value of risk scores *J S Jürgensen*
- 1715 Logistic, additive or historical: is EuroSCORE an appropriate model for comparing individual surgeons' performance? *B E Keogh*
- 1717 Stem cells to repair the broken heart: much ado about nothing? *M Saha, R Zbinden, S R Redwood, M S Marber*
- 1720 Arrhythmogenic right ventricular dysplasia, a cell adhesion cardiomyopathy: insights into disease pathogenesis from preliminary genotype—phenotype assessment *A A Tsatsopoulou, N I Protonotarios, W J McKenna*

Heart reviews

- 1724 Connexin 43 signalling and cardioprotection *K Boengler, R Schulz, G Heusch*
- 1728 Angiotensin blockade or aldosterone blockade as the third neuroendocrine-blocking drug in mild but symptomatic heart failure patients *A D Struthers*

Cardiovascular medicine

- 1732 Plasma haemostatic markers, endothelial function and ambulatory blood pressure changes with home versus hospital cardiac rehabilitation: the Birmingham Rehabilitation Uptake Maximisation Study *K W Lee, A D Blann, K Jolly, G Y H Lip, on behalf of the BRUM Investigators*
- 1739 A population study of the long-term consequences of Rose angina: 20-year follow-up of the Renfrew–Paisley study *N F Murphy, S Stewart, C L Hart, K MacIntyre, D Hole, J J V McMurray*
- 1747 Climate Impacts on Myocardial infarction deaths in the Athens Territory: the CLIMATE study *P Dilaveris, A Synetos, G Giannopoulos, E Gialafos, A Pantazis, C Stefanadis*
- 1752 Accuracy and impact of risk assessment in the primary prevention of cardiovascular disease: a systematic review *P Brindle, A Beswick, T Fahey, S Ebrahim*
- 1760 Long-term impact of multivessel disease on cause-specific mortality after ST elevation myocardial infarction treated with reperfusion therapy *R J van der Schaaf, J R Timmer, J P Ottervanger, J C A Hoorntje, M-J de Boer, H Suryapranata, F Zijlstra, J-H E Dambrink*
- 1764 Efficacy of emergent transcatheter transplantation of stem cells for treatment of acute myocardial infarction (TCT-STAMI) *J Ge, Y Li, J Qian, J Shi, Q Wang, Y Niu, B Fan, X Liu, S Zhang, A Sun, Y Zou*
- 1768 Effects of serial levosimendan infusions on left ventricular performance and plasma biomarkers of myocardial injury and neurohormonal and immune activation in patients with advanced heart failure *J T Parissis, S Adamopoulos, D Farmakis, G Filippatos, I Paraskevaidis, F Panou, E Iliodromitis, D Th Kremastinos*



www.publicationethics.org.uk

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

- 1773 Pathological effects of alcohol septal ablation for hypertrophic obstructive cardiomyopathy A L Baggish, R N Smith, I Palacios, G J Vlahakes, D M Yoerger, M H Picard, P A Lowry, I-k Jang, M A Fifer
- 1779 Comprehensive cardiac assessment with multislice computed tomography: evaluation of left ventricular function and perfusion in addition to coronary anatomy in patients with previous myocardial infarction M M Henneman, J D Schuijff, J W Jukema, H J Lamb, A de Roos, P Dibbets, M P Stokkel, E E van der Wall, J J Bax
- 1784 Left ventricular growth response to exercise and cigarette smoking: data from LARGE Heart J R Payne, K I Eleftheriou, L E James, E Hawe, J Mann, A Stronge, P Kotwinski, M World, S E Humphries, D J Pennell, H E Montgomery
- 1790 Diagnostic accuracy of tissue Doppler echocardiography for patients with acute heart failure C-H Huang, M-S Tsai, C-C Hsieh, T-D Wang, W-T Chang, W-J Chen
- 1795 Comparison of the haemodynamics of different pacing sites in patients undergoing resynchronisation treatment: need for individualisation of lead localisation C M C van Campen, F C Visser, C C de Cock, H S Vos, O Kamp, C A Visser
- 1801 Microvascular perfusion 1 week and 6 months after myocardial infarction by first-pass perfusion cardiovascular magnetic resonance imaging V Bodí, J Sanchis, M P López-Lereu, J Núñez, R Sanz, P Palau, C Gómez, D Moratal, F J Chorro, A Llácer

Interventional cardiology and surgery

- 1808 Early outcomes in the elderly: a meta-analysis of 4921 patients undergoing coronary artery bypass grafting—comparison between off-pump and on-pump techniques S S Panesar, T Athanasiou, S Nair, C Rao, C Jones, M Nicolaou, A Darzi
- 1817 The logistic EuroSCORE in cardiac surgery: how well does it predict operative risk? F Bhatti, A D Grayson, G Grotte, B M Fabri, J Au, M Jones, B Bridgewater on behalf of the North West Quality Improvement Programme in Cardiac Interventions
- 1821 Increased C reactive protein and cardiac enzyme levels after coronary stent implantation. Is there protection by remote ischaemic preconditioning? E K Iliadromitis, S Kyrzopoulos, I A Paraskevaidis, K G Kolocassides,

S Adamopoulos, G Karavolias, D T Kremastinos

Congenital heart disease

- 1827 Central and peripheral arterial stiffness in patients after surgical repair of tetralogy of Fallot: implications for aortic root dilatation Y F Cheung, X Ou, S J Wong
- 1831 Assessment of fetal atrioventricular time intervals by tissue Doppler and pulse Doppler echocardiography: normal values and correlation with fetal electrocardiography M Nii, R M Hamilton, L Fenwick, J C P Kingdom, K S Roman, E T Jaeggi
- 1838 Non-cardiac complications during pregnancy in women with isolated congenital pulmonary valvar stenosis W Drenthen, P G Pieper, J W Roos-Hesselink, A C M Schmidt, B J M Mulder, A P J van Dijk, H W Vliegen, K M Sollie, A A Voors, T Ebels, D J van Veldhuisen, on behalf of the ZAHARA investigators

Basic research

- 1844 Distribution of SPARC during neovascularisation of degenerative aortic stenosis A Charest, A Pépin, R Shetty, C Côté, P Voisine, F Dagenais, P Pibarot, P Mathieu

Scientific letters

- 1850 Safety of granulocyte-colony-stimulating factor in acute myocardial infarction (the Rigenara study) A M Leone, L Galiuto, S Rutella, M B Giannico, S Brugaletta, B Garramone, V De Stefano, G Liuzzo, M L Calcagni, F Cirillo, A Giordano, G Niccoli, L M Biasucci, A G Rebuzzi, G Leone, F Crea
- 1852 Effects of balloon occlusion during percutaneous coronary intervention on circulating Ischemia Modified Albumin and transmyocardial lactate extraction M K Sinha, J M Vazquez, R Calvino, D C Gaze, P O Collinson, J C Kaski
- 1854 Arterial oxygen desaturation during sleep and atrial fibrillation T Tanigawa, K Yamagishi, S Sakurai, I Muraki, H Noda, T Shimamoto, H Iso
- 1856 β blocker treatment is associated with improvement in renal function and anaemia in patients with heart failure W Khan, S M Deepak, T Coppinger, C Waywell, A Borg, L Harper, S G Williams, N H Brooks
- 1858 Neurohumoral and inflammatory activation in patients with coronary artery disease treated with statins N R Van de Veire, J Philippé, O De Winter, M Langlois, D Bernard, J De Sutter

- 1860 Right ventricular reverse remodelling after sildenafil in pulmonary arterial hypertension *S A van Wolferen, A Boonstra, J T Marcus, K M J Marques, J G F Bronzwaer, P E Postmus, A Vonk-Noordegraaf*
- 1862 Persistent endothelial dysfunction in calcified aortic stenosis beyond valve replacement surgery *R Chenevard, M Bechir, D Hurlimann, F Ruschitzka, J Turina, T F Luscher, G Noll*
- 1864 Safety of aeromedical repatriation after myocardial infarction: a retrospective study *M D Thomas, R Hinds, C Walker, F Morgan, P Mason, D Hildick-Smith*
-
- Education in Heart**
- 1866 Assessment of cardiac risk before non-cardiac general surgery *O Schouten, J J Bax, D Poldermans*
- 1873 Primary prevention of sudden cardiac death *P Kirchhof, G Breithardt, L Eckardt*
- 1879 Atrioventricular septal defect: from fetus to adult *B Craig*
-
- JournalScan**
- 1886 Cardiovascular highlights from non-cardiology
-
- Miscellanea**
- 1719 Stamps in cardiology: Japanese metal engraving *M K Davies, A Hollman*
- 1723 Images in cardiology: Histological confirmation of complete endothelialisation of a surgically removed Amplatzer ASD occluder *M Sigler, T Kriebel, N Wilson*
- 1727 Images in cardiology: A case of autotransfusion from pericardium to femoral vein *A C Marton, J Gunn*
- 1759 Images in cardiology: Computed tomography to visualise a left coronary artery main stem stent *D M Sado, R K Bull, J R Radvan*
- 1772 Images in cardiology: Ascending aortic puncture during percutaneous balloon mitral valvuloplasty *J-H Park, M H Na, J-H Lee*
- 1789 Images in cardiology: Assessment of aortic root inflammation in a patient with systemic vasculitis using F-18 FDG positron emission tomography *J-W Ha, J-D Lee, B-C Chang, N Chung*
- 1820 Images in cardiology: Late thrombosis or in-stent restenosis? *M Fineschi, T Gori, C Pierli, A Bravi*
- 1826 Images in cardiology: Percutaneous treatment of trisaccular coronary aneurysm with coil-embolisation *H Kim, H Park*
- 1837 Images in cardiology: Periodic fluctuation of blood pressure and transient left ventricular apical ballooning in pheochromocytoma *M Otsuka, K Kohno, A Itoh*
- 1855 Images in cardiology: Unusual diagnosis of ascending aorta dissection with left ventricular angiogram *T Joudinaud, F Baron, L Etchegoyen*
- 1865 Web Top 10
- 1888 Images in cardiology: Percutaneous closure of a coronary to pulmonary artery fistula *A B Tokala, M Cowling, M G Gunning*