

Journal of the British Cardiovascular Society

Editor

Adam D Timmis

Deputy Editor

John E Sanderson

Commissioning Editor

Igbal Malik

Education in Heart Series Editor

Peter Mills

Editorial office

Heart, BMJ Publishing Group BMA House, Tayistock Square London WC1H 9JR, UK

T: +44 (0) 20 7383 6235 F: +44 (0) 20 7383 6668 E: heartjnl@bmjgroup.com

ISSN: 1355-6037 (print) ISSN: 1468-201X (online) Impact Factor 3.708

Disclaimer: Heart is owned and published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the British Cardiovascular Society. The owners grant editorial freedom to the Editor of Heart. Heart follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

Heart is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group, the British Cardiovascular Society or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of Heart or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright © 2008 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

Heart is published by BMJ Publishing Group Ltd, typeset by The Charlesworth Group, and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Limited, Plymouth,

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

Featured editorial

127 Drug-eluting stents: do the risks really outweigh the benefits? D Austin, J P Pell, K G Oldroyd

Editorials

- **129** Assessing the safety of drugs through observational research R J Simpson Jr
- **131** Can we use a low molecular weight heparin after mechanical prosthetic heart valve surgery? P Meurin, J Y Tabet
- 133 Inflammation and atrial fibrillation: cause or effect? C I Boos, G Y H Lip
- **135** Ensuring appropriate use of antiplatelet agents in the treatment of acute coronary syndromes—have cardiovascular physicians been given enough grace in getting it right? A H Gershlick
- 138 Treatment of Anderson-Fabry disease A Linhart

Global burden of cardiovascular disease

140 Economic burden and the cost-effectiveness of treatment of cardiovascular diseases in Africa T A Gaziano

Review

145 Drug-eluting stents: a critique N Melikian, W Wijns

Original research Clinical trials

153 Effects of enzyme replacement therapy on the cardiomyopathy of Anderson-Fabry disease: a randomised, double-blind, placebo-controlled clinical trial of agalsidase alfa

DA Hughes, PM Elliott, J Shah, J Zuckerman, G Coghlan, I Brookes, A B Mehta

Acute coronary syndromes

159 Outcomes with the use of glycoprotein Ilb/Illa inhibitors in non-ST-segment elevation acute coronary syndromes

> O H Dabbous, F A Anderson Jr, J M Gore, K A Eagle, K A A Fox, R H Mehta, R J Goldberg, G Agnelli, P G Steg, for the GRACE Investigators

Coronary artery disease

Post-ischaemic myocardial dysfunction (stunning) results from myofibrillar oedema

> T Bragadeesh, A R Jayaweera, M Pascotto, A Micari, D E Le, C M Kramer, F H Epstein, S Kaul

Heart failure and cardiomyopathy

NHS heart failure survey: a survey of acute heart 172 failure admissions in England, Wales and Northern Ireland

> E D Nicol, B Fittall, M Roughton, J G F Cleland, H Dargie, M R Cowie

Epidemiology

- 178 Coronary heart disease trends in England and Wales from 1984 to 2004: concealed levelling of mortality rates among young adults M O'Flaherty, E Ford, S Allender, P Scarborough, S Capewell
- 182 Influence of socioeconomic status on survival after primary aortic or mitral valve replacement J P Bagger, M-B Edwards, K M Taylor

Heart rhythm disorders and pacemakers

186 Effect of cardiac resynchronisation therapy on occurrence of ventricular arrhythmia in patients

with implantable cardioverter defibrillators undergoing upgrade to cardiac resynchronisation therapy devices

G Lin, R F Rea, S C Hammill, D L Hayes, P A Brady

- **191** Digitalis: a dangerous drug in atrial fibrillation? An analysis of the SPORTIF III and V data K Gjesdal, J Feyzi, S B Olsson
- 197 Age alone is not a risk factor for left atrial thrombus in atrial fibrillation B Mazouz, A Keren, A Chenzbraun
- The role of the post-cardioversion time course of hs-CRP levels in clarifying the relationship between inflammation and persistence of atrial fibrillation

E M Kallergis, E G Manios, E M Kanoupakis, H E Mavrakis, S G Kolyvaki, G M Lyrarakis, G I Chlouverakis, P E Vardas

Cardiovascular surgery

205 Enoxaparin as bridging anticoagulant treatment in cardiac surgery

> N Rivas-Gándara, I Ferreira-González, P Tornos, A Torrents, G Permanyer-Miralda, I Nicolau, E Arellano-Rodrigo, N Vallejo, A Igual, I Soler-Soler

MORE CONTENTS ►



This article has been chosen by the Editor to be of special interest or importance and is freely available online.

Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See http://heart.bmj.com/info/unlocked.dtl



www.publicationethics.org.uk

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

Congenital heart disease

211 Ventricular size and function assessed by cardiac MRI predict major adverse clinical outcomes late after tetralogy of Fallot repair

> A L Knauth, K Gauvreau, A J Powell, M J Landzberg, E P Walsh, J E Lock, P J del Nido, T Geva

Basic research

217 Does optical coherence tomography identify arterial healing after stenting? An in vivo comparison with histology, in a rabbit carotid model

> F Prati, M Zimarino, E Stabile, G Pizzicannella, T Fouad, R Rabozzi, A Filippini, J Pizzicannella, M Cera, R De Caterina

Technology and guidelines

222 Endovascular infrarenal abdominal aortic aneurysm repair

M Davis, P R Taylor

Featured correspondence

229 Letters

229 Correction

Education in Heart

230 What cardiology trainees should know about coronary artery surgery—and coronary artery surgeons

C Munsch

237 Ebstein's anomaly of the tricuspid valve: from fetus to adult

S Paranon, P Acar

244 Neglected tropical cardiomyopathies: I. Chagas disease

S Yacoub, A O Mocumbi, M H Yacoub

Summary of electronic pages

249 These papers are available in full in the electronic pages of this issue of *Heart*

JournalScan

250 Cardiovascular highlights from non-cardiology journals

Miscellanea

134 Web Top 10

Images in cardiology

130 In vivo visualisation of coronary artery development by high-resolution optical coherence tomography

K Norozi, L Thrane, J Männer, F Pedersen, I Wolf, S Mottl-Link, H-P Meinzer, A Wessel, T M Yelbuz

158 Use of percutaneous angioplasty to facilitate implantation of the left ventricular pacemaker lead for CRT

D J Fox, H S Lee, M Eisenberger, N C Davidson

- **177** A case of Tako-tsubo cardiomyopathy *T Hassan, S Hutcheon, B O'Rourke*
- **210** Follow-up in Tako-tsubo cardiomyopathy by realtime three-dimensional echocardiography *O-A Breithardt, M Becker, T Kälsch, D Haghi*
- **221** Stent strut fracture-induced restenosis in the right coronary artery: detection by MDCT *S U Kwon, J H Doh, J Namgung, S Y Lee*
- 228 Glagov remodelling in the atherosclerotic carotid artery by cardiovascular magnetic resonance

N G Keenan, D J Pennell, R H Mohiaddin

Electronic pages

- e1 The British Society for Cardiovascular Research Autumn Meeting 2007
- e2 Ischaemic symptoms, quality of care and mortality during myocardial infarction

 E B Schelbert, J S Rumsfeld, H M Krumholz,
 J G Canto, D J Magid, F A Masoudi, K J Reid,
 J A Spertus
- e3 Quantitative dobutamine stress echocardiography for the early detection of cardiac allograft vasculopathy in heart transplant recipients

E Eroglu, J D'hooge, G R Sutherland, A Marciniak, D Thijs, W Droogne, L Herbots, J Van Cleemput, P Claus, B Bijnens, J Vanhaecke, F Rademakers

Economic evaluation of ASCOT-BPLA: antihypertensive treatment with an amlodipinebased regimen is cost effective compared with an atenololbased regimen

P Lindgren, M Buxton, T Kahan, N R Poulter, B Dahlöf, P S Sever, H Wedel, B Jönsson, on behalf of the ASCOT trial investigators