Cardiology in the Young



Submit your paper online http://mc.manuscriptcentral.com/cty

CAMBRIDGE UNIVERSITY PRESS

https://doi.org/10.1017/S1047951112002120 Published online by Cambridge University Press

Cardiology in the Young

journals.cambridge.org/CTY

Editor-in-Chief

Professor Edward J. Baker Oxford Radcliffe Hospitals NHS Trust, John Radcliffe Hospital, Headington, Oxford, OX3 9DU, UK

Emeritus Founding Editors

Dr G. William Henry Chapel Hill, USA

Professor Robert H. Anderson University College, London, UK

Associate Editors

Allen D. Everett, Baltimore, MD Jeffrey P. Jacobs, St Petersburg, FL

International Editor Professor Hiromi Kurosawa, Tokyo Women's Medical University, Japan

Supplements Editor

Jeffrey P. Jacobs, St Petersburg, FL

Images Editor Roxane McKay, Memphis, TN

Founding Editors

Anton E. Becker, Amsterdam; Giancarlo Crupi, Bergamo; Arthur Garson Jr, Charlottesville, VA; Fernando Lucchese, Porto Alegre; Lucio Parenzan, Bergamo; the late Atsuyoshi Takao, Tokyo; Michael Tynan, London

International Editorial Board

Lindsey D. Allan (London) Maurice Beghetti (Geneva) Lee N. Benson (Toronto) Per G. Bjørnstad (Oslo) Anthony C. Chang (Orange, CA) David Cooper (Cincinnati, OH) Tjark Ebels (Groningen) Timothy Feltes (Columbus, OH) J. William Gaynor (Philadelphia, PA) Allan Goldman (London) Willem A. Helbing (Rotterdam) John Hess (Munich) Eero Jokinen (Helsinki) Tom Karl (Brisbane) Doff B. McElhinney (Boston, MA) Luc Mertens (Toronto) Cleonice de C. Mota (Belo Horizonte) Jane Newburger (Boston, MA) Edgardo E. Ortiz (Quezon City) Daniel Penny (Melbourne) Andrew N. Redington (Toronto) Girish S. Shirali (Charleston, SC) Norman H. Silverman (Palo Alto, CA) Giovanni Stellin (Padova) András Szatmári (Budapest) Hideki Uemura (London) Steven A. Webber (Pittsburgh, PA) James L. Wilkinson (Melbourne) Shi-Joon Yoo (Toronto)

Cardiology in the Young is indexed and abstracted in Index Medicus/MEDLINE; Current Contents/Clinical Medicine; Research Alert; Sci Search; EMBASE/Excerpta Medica

Commissioning Editor: Dan Edwards Production Editor: Nicki Marshall Design and Production: MPS Limited, Bangalore Printed & Bound: Latimer Trend, Plymouth

Published by Cambridge University Press (Journals), Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK Tel: +44 (0)1223 326491; Fax: +44 (0)1223 325802; E-mail: dedwards@cambridge.org

Cambridge Journals Online For further information about this journal please go to the journal website at: journals.cambridge.org/CTY





Volume 23 • Number 1 • Pages 1–158 Cardiology in the Young

COPYRIGHT © 2013 CAMBRIDGE UNIVERSITY PRESS ISSN 1047-9511

Table of ContentsFebruary 2013

REVIEW ARTICLE	
Libman–Sacks endocarditis as the first manifestation of systemic lupus erythematosus in an adolescent, with a review of the literature Jayendra Sharma, Zoran Lasic, Abraham Bornstein, Rubin Cooper, Jonathan Chen	1
ORIGINAL ARTICLES	
Enlarged right ventricular size at 11 years' follow-up after closure of secundum-type atrial septal defect in children Wilfred B. de Koning, Lennie M. van Osch-Gevers, Danielle Robbers-Visser, Ron T. van Domburg, Ad J.J.C. Bogers, Willem A. Helbing	7
Association of DiGeorge anomaly and caudal dysplasia sequence in a neonate born to a diabetic mother Maria L. Dentici, Silvia Placidi, Paola Francalanci, Rossella Capolino, Gabriele Rinelli, Bruno Marino, Maria C. Digilio, Bruno Dallapiccola	14
Assessment of cavopulmonary connections by advanced imaging: value of flat-detector computed tomography Martin Glöckler, Andreas Koch, Julia Halbfaβ, Verena Greim, Andrè Rüffer, Robert Cesnjevar, Stephan Achenbach, Sven Dittrich	18
Management and outcome of Ebstein's anomaly in children Angela Oxenius, Christine H. Attenhofer Jost, René Prêtre, Hitendu Dave, Urs Bauersfeld, Oliver Kretschmar, Burkhardt Seifert, Christian Balmer, Emanuela R. Valsangiacomo Buechel	27
Importance of adhesion molecules for children with congenital heart disease Ayşe Yıldırım, Aysu T. Karaağaç, Fusun Güzelmeriç, Nibat Çine, Naci C. Öner	35
Does congenital heart disease severely jeopardise family life and pregnancies? Obstetrical history of women with congenital heart disease in a single tertiary centre Marielle Morissens, Pierre Viart, Laura Tecco, Pierre Wanthy, Simone Michiels, Hugues Dessy, Sophie Malekzadeh Milani, Thierry Verbeet, Jose Castro Rodriguez	41
Fatness is not a factor of fitness: analysis of cardiorespiratory data from healthy children over an 8-year period Julie Brothers, Michael McBride, Alex Paridon, Xuemei Zhang, Stephen Paridon	47
Value of history taking in children and adolescents with cardiac syncope Qingyou Zhang, Lulu Zhu, Cheng Wang, Zhongdong Du, Xiufen Hu, Hong Tian, Ochs Todd, Fengwen Zhang, Junbao Du, Hongfang Jin	54
Balloon atrial septostomy performed "out-of-hours": effects on the outcome Sunitha Vimalesvaran, Salma Ayis, Thomas Krasemann	61
Adult congenital heart disease interventions: recommendations from a Joint Working Group of the British Congenital Cardiac Association, British Cardiovascular Intervention Society, and the British Cardiovascular Society Shakeel A. Qureshi, David Hildick-Smith, Jo de Giovanni, Paul Clift, Graham Stuart, Rob Henderson, Stephen Brecker, David Hackett, Simon Ray, Mark de Belder	68
Pulse oximetry home monitoring in infants with single-ventricle physiology and a surgical shunt as the only source of pulmonary blood flow Annika Öhman, Eva Strömvall-Larsson, Boris Nilsson, Mats Mellander	75
Quality of life and psychosocial functioning of children with cardiac arrhythmias Elizabeth R. Pulgaron, Diana Wile, Kerri Schneider, Ming-Lon Young, Alan M. Delamater	82
Risk of congenital heart defects is influenced by genetic variation in folate metabolism Karen E. Christensen, Yassamin Feroz Zada, Charles V. Rohlicek, Gregor U. Andelfinger, Jacques L. Michaud, Jean-Luc Bigras, Andrea Richter, Marie-Pierre Dubé, Rima Rozen	89
Foetal echocardiographic assessment of borderline small left ventricles can predict the need for postnatal intervention Roland W. Weber, Ricardo Ayala-Arnez, Merna Atiyah, Yousef Etoom, Cedric Manlhiot, Brian W. McCrindle, Edward J. Hickey, Edgar T. Jaeggi, Lynne E. Nield	99

Table of Contents continued

BRIEF REPORTS	
Transient severe aortic regurgitation and left ventricular dysfunction due to a stuck leaflet in a patient undergoing percutaneous transcatheter aortic valve implantation <i>Tahir Hamid, Ragheb Hasan, Vaikom S. Mahadevan</i>	108
Ventriculocoronary fistulae in a patient with transposition of the great arteries, hypoplastic left heart, and pulmonary atresia Denise Hayes, Bhawna Arya, Charles Kleinman	111
Right coronary artery fistula to the coronary sinus Miryam Martínez-Pascual, Tomás Vicente-Vera, Manuel Villegas-García	114
Aortic arch thrombectomy in a 2.8 kilogram neonate – a case report and review of the literature <i>Ikenna Omeje, Awat Ram, Martin Kostolny</i>	117
Quick recovery of myocardium damage in a case of subacute thyroiditis <i>Yang Fan, Lai Sha-yi</i>	121
The use of a self-expandable stent with a self-expandable stent graft in a Fontan baffle <i>Eun Young Choi, Kyung Suk Lee, Jin-young Song</i>	125
Transapical aortic balloon valvuloplasty in a 6-year-old child with unsuccessful retrograde approach Ali Baykan, Mustafa Argun, Sadettin Sedat Sezer, Hakan Ceyran, Nazmi Narin	129
Comparative effects of surgical and percutaneous repair on P-wave and atrioventricular conduction in patients with atrial septal defect – ostium secundum type Hassan Javadzadegan, Mehrnoush Toufan, Ali Reza Sadighi, Joyce M. Chang, Nader D. Nader	132
Infective endocarditis, thoracic aortitis, and mycotic aneurysm formation complicating balloon angioplasty of aortic coarctation Ahmet Çağrı Aykan, Mustafa Yıldız, Mehmet Özkan	138
Prenatal diagnosis of long QT syndrome: implications for delivery room and neonatal management <i>E. Anne Greene, Charles I. Berul, Mary T. Donofrio</i>	141
Streptococcus pneumoniae purulent pericarditis in a neonate Lee Morris, Abraham Groner, Miwa Geiger, Michael Tosi	146
Malignant anomalous left coronary artery associated with acute coronary syndrome and subsequent post-operative secondary stenosis of the reimplanted anomalous left coronary artery <i>Debasish Banerjee, Mohanaluxmi Sriharan, Edward D. Nicol</i>	149
Quadricuspid aortic valve with ruptured sinus of Valsalva Shamruz Khan Akerem Khan, Syahidah Syed Tamin, Harold M. Burkhart, Philip A. Araoz, Phillip M. Young	154
AEPC NEWSLETTER	
Association for European Paediatric and Congenital Cardiology Shak Qureshi, Katarina Hanseus	157
CORRIGENDUM	
A presumably benign human ether-a-go-go-related gene mutation (R176W) with a malignant primary manifestation of long QT syndrome – CORRIGENDUM <i>Birgit C. Donner, Christoph Marshall, Klaus G. Schmidt</i>	158

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information

Cardiology in the Young © 2013 Cambridge University Press, ISSN 1047-9511 is published bi-monthly

Subscription information: Volume 23 (6 issues) will appear in 2013. Correspondence concerning subscriptions should be addressed to: Journals Customer Services, Cambridge University Press, The Edinburgh Building, Cambridge CB2 8RU, UK. Tel: +44 (0)1223 3251050; Fax: +44 (0)1223 3251050; E-mail enquiries: journals_subscriptions@cambridge.org; Web: www.cambridge.org; Cambridge Journals Online: www.journals.cambridge.org; The subscription nare for 2013 Volume 23 (6 issues) is: Individual rate £445 or US\$767; Institutional rate £923 or US\$1560. All prices inclusive of postage. Cheques about be made payable to Cambridge University Press. Copyright: The submission of a manuscript implies the following: (a) that the work described has not been published before, except in the form of an abstract or as part of a published letture, review, or thesis; (b) that it is not under consideration for publication elsewhere; (c) that all co-authors approve its publication; (d) that its publication is approved by the responsible authorities at the institute where the work has been carried out; (e) that when the manuscript is accepted for publication, the authors garee to the automatic transfer of the copyright to the publisher; (f) that it is not under consideration for publication elsewhere; (a) that preproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation in this journal are believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warrant, seques or implied, with respect to the material contained herein. Cambridge University Press and the editors are not reponsible for claims made for it be advertiserents published in the journal. The publishe