



Highlights from this issue
Emergency fluid bolus therapy studies: first do no harm
Perfusion index cannot be currently recommended as an additional newborn screen for critical congenital heart disease: more data needed
Art of listening
Achieving consensus advice for paediatricians and other health professionals: on prevention, recognition and management of conflict in paediatric practice
Climate change and global child health: what can paediatricians do?
Health-related quality of life in surgical children and adolescents with congenital heart disease compared with their age-matched healthy sibling: a cross-sectional study from a lower middle-income country, Pakistan
Restricted fluid bolus volume in early septic shock: results of the Fluids in Shock pilot trial
Understanding case mix across three paediatric services: could integration of primary and secondary general paediatrics alter walk-in emergency attendances?

adcmj.com RCPCH BMJ

Editor in Chief

Nick Brown

Deputy Editors

Patrick Cartledge (*Commissioning*)
Ben Stenson (*Fetal & Neonatal*)
Ian Wacogne (*Education & Practice*)

Editorial Office

Archives of Disease in Childhood
BMJ Publishing Group Ltd
BMA House
Tavistock Square
London WC1H 9JR, UK
E: info.adc@bmj.com
Twitter: @ADC_BMJ

Senior Production Editor

Malcolm Smith
E: production.adc@bmj.com
ISSN: 0003-9888 (print)
ISSN: 1468-2044 (online)

Impact factor: 3.258

Journal of the Royal College of
Paediatrics and Child Health

Disclaimer: ADC is published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the Royal College of Paediatrics and Child Health. The owners grant editorial freedom to the Editor of ADC. ADC 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.

ADC 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 Ltd, the Royal College of Paediatrics and Child Health 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 Ltd shall not be liable for any loss, injury or damage resulting from the use of ADC 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 © 2019 BMJ Publishing Group Ltd and Royal College of Paediatrics and Child Health. 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.

ADC is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper from sustainable forests.

ADC (ISSN No: 0003-9888) is published monthly by BMJ Publishing Group Ltd and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 and additional mailing offices. POSTMASTER: send address changes to *Archives of Disease in Childhood*, Air Business Ltd, c/o WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA

Contents

Volume 104 Issue 5 | ADC May 2019

Atoms

- i Highlights from this issue
Nick Brown

Editorials

- 409 Emergency fluid bolus therapy studies: first do no harm
K Maitland
- 411 Perfusion index cannot be currently recommended as an additional newborn screen for critical congenital heart disease: more data needed
A K Ewer
- 412 Art of listening
R Scott-Jupp, N Brown

Leading article

- 413 Achieving consensus advice for paediatricians and other health professionals: on prevention, recognition and management of conflict in paediatric practice
M Linney, R D W Hain, D Wilkinson, P-M Fortune, S Barclay, V Larcher, J Fitzgerald, E Arkell

Global child health

- 417 Climate change and global child health: what can paediatricians do?
Z A Bhutta, A Aimone, S Akhtar
- 419 Health-related quality of life in surgical children and adolescents with congenital heart disease compared with their age-matched healthy sibling: a cross-sectional study from a lower middle-income country, Pakistan
L A Ladak, B S Hasan, J Gullick, K Awais, A Abdullah, R Gallagher

Original articles

- 426 Restricted fluid bolus volume in early septic shock: results of the Fluids in Shock pilot trial
D P Inwald, R Canter, K Woolfall, P Mouncey, Z Zenasni, C O'Hara, A Carter, N Jones, M D Lytle, S Nadel, M J Peters, D A Harrison, K M Rowan, on behalf of PERUKI (Paediatric Emergency Research in the UK and Ireland) and PICS SG (Paediatric Intensive Care Society Study Group)
- 432 Understanding case mix across three paediatric services: could integration of primary and secondary general paediatrics alter walk-in emergency attendances?
L Steele, N Coote, R Klaber, M Watson, M Coren

- 437 Epidemiology and aetiology of paediatric traumatic cardiac arrest in England and Wales
J Vassallo, M Webster, E B G Barnard, M D Lytle, J E Smith, On behalf of PERUKI (Paediatric Emergency Research in the UK and Ireland)
- 444 Drug preparation and administration errors during simulated paediatric resuscitations
S Murugan, P Parris, M Wells
- 451 Coronary artery aneurysms are more severe in infants than in older children with Kawasaki disease
S A Cameron, M Carr, E Pahl, N DeMarais, S T Shulman, A H Rowley
- 456 Economic consequences of preterm birth: a systematic review of the recent literature (2009–2017)
S Petrou, H H Yiu, J Kwon
- 466 Fever duration during treated urinary tract infections and development of permanent renal lesions
K Karavanaki, A M Koufadaki, A Soldatou, C Tsentidis, M Sourani, D Gougourelas, F A Haliotis, C J Stefanidis
- 471 Outcomes following general anaesthesia in children with hypertrophic cardiomyopathy
G Norrish, N Forshaw, C Woo, M C Avanis, E Field, E Cervi, A Iguchi, J P Kaski
- 476 Cardiorespiratory sleep studies at home: experience in research and clinical cohorts
R N Kingshott, F Gahleitner, H E Elphick, P Gringras, M Farquhar, R M Pickering, J Martin, J Reynolds, A Joyce, J C Gavlak, H J Evans, C M Hill
- 482 Musculoskeletal anomalies in children with Down syndrome: an observational study
C Foley, O G Killeen

Voices

- 489 All about George

MORE CONTENTS ►

The content of *Archives of Disease in Childhood* is endorsed by the Royal College of Paediatrics and Child Health for Continued Professional Development in line with RCPCH CPD guidelines



EDITOR'S CHOICE



OPEN ACCESS

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

This article has been made freely available online under the BMJ Journals open access scheme. See <https://authors.bmj.com/open-access/>

COPE
Member since 2008
JM00014

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
www.publicationethics.org.uk



When you have finished with this magazine please recycle it.

Quality improvement

- 490** Mind the (support) gap: supporting academic trainees through peer networks
C Soto, V Walsh
-

Review

- 494** How to involve children and young people in what is, after all, their research
J Preston, S R Stones, H Davies, J Preston, B Phillips
-

Archimedes

- 501** Towards evidence-based medicine for paediatricians
B Phillips
- 501** Can a ketogenic diet be safely used to improve glycaemic control in a child with type 1 diabetes?
A-M McClean, L Montorio, D McLaughlin, S McGovern, N Flanagan
- 504** Does pulsatility index add value to newborn pulse oximetry screening for critical congenital heart disease?
J Searle, D D Thakkar, J Banerjee
-

Miscellanea

- 443** Archivist: Can the rotavirus vaccination reduce the incidence of Type 1 diabetes?
- 450** Images in paediatrics: Cerebral neuroenteric cyst causing sudden unexpected death of an adolescent
- 481** Archivist: Contained and controlled: a collaborative future
- 488** Images in paediatrics: Ultrasonographic findings of multiple intussusception in an extremely preterm infant
- 500** Images in paediatrics: Fracture of the clavicle or skeletal disorder?
- 507** Images in paediatrics: Tricky case of Takayasu arteritis in a young child presenting with heart failure and femoral pulses
- 508** Lucina: Highlights from the literature