



Editor in Chief

Nick Brown

Senior Editor

Rachel Agbeko

Deputy Editors

Patrick Carlidge (*Commissioning*)

Claire Lemer (*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: 3.158

Journal of the Royal College of Paediatrics and Child Health

Disclaimer: The Editor of *ADC* has been granted editorial freedom and *ADC* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *ADC* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *ADC* does not imply endorsement. Neither RCPCH nor BMJ Publishing Group Limited shall have any liability for any loss, injury or damage howsoever arising from *ADC* (except for liability which cannot be legally excluded).

Copyright © 2020 BMJ Publishing Group Ltd and Royal College of Paediatrics and Child Health. All rights reserved; no part of this publication may be reproduced in any form without 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 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

Copyright © 2020 BMJ Publishing Group Ltd and Royal College of Paediatrics and Child Health. All rights reserved; no part of this publication may be reproduced in any form without 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 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

Atoms

- i** Highlights from this issue
Nick Brown

Editorial

- 313** The genetic crystal ball: new answers and new questions for infants with neuromuscular disorders and respiratory failure
D Wilkinson, G Moore

Leading article

- 315** Child death review statutory and operational guidance: maximising learning from child deaths
J Fraser, V Sleep, P Sidebotham

Global child health

- 319** The epidemiology of pulmonary tuberculosis in children in Mainland China, 2009–2015
R Yang, M Liu, H Jiang, Y Zhang, J Yin, Q Li, Q Li, Y Liu, X Wang, H Xu, Y Yang, W Li, X Guo

- 326** Anthropometric measures that identify premature and low birth weight newborns in Ethiopia: a cross-sectional study with community follow-up
N W Gidi, M Berhane, T Cirma, A Abdissa, R Lim, K Lee, C Nguyen, F Russell

Original research

- 332** Mortality and respiratory support in X-linked myotubular myopathy: a RECENSUS retrospective analysis
R J Graham, F Muntoni, I Hughes, S W Yum, N L Kuntz, M L Yang, B J Byrne, S Prasad, R Alvarez, C A Genetti, T Haselkorn, E S James, L B LaRusso, M Noursalehi, S Rico, A H Beggs

- 339** Educational attainment in childhood cancer survivors: a meta-analysis
D Saatci, A Thomas, B Botting, A G Sutcliffe

- 347** Self-harm presentation across healthcare settings by sex in young people: an e-cohort study using routinely collected linked healthcare data in Wales, UK
A Marchant, S Turner, L Balbuena, E Peters, D Williams, K Lloyd, R Lyons, A John

- 355** Accelerating diagnosis for childhood brain tumours: an analysis of the HeadSmart UK population data
D Shanmugavadivel, J-F Liu, L Murphy, S Wilne, D Walker, on behalf of the HeadSmart

- 363** Diabetic ketoacidosis at the onset of disease during a national awareness campaign: a 2-year observational study in children aged 0–18 years
I Rabbone, G Maltoni, D Timi, S Zucchini, V Cherubini, R Bonfanti, A Scaramuzza, On behalf of the Diabetes Study Group of the Italian Society for Pediatric Endocrinology and Diabetology (ISPED)

- 367** Genetic characterisation of 22q11.2 variations and prevalence in patients with congenital heart disease
H-T Hou, H-X Chen, X-L Wang, C Yuan, Q Yang, Z-G Liu, G-W He

- 375** Potentially preventable hospitalisations in children: a comparison of definitions
A M Procter, R M Pilkington, J W Lynch, L G Smithers, C R Chittleborough

Drug therapy

- 382** Ranitidine in short supply: why now, and where next?
M E Ryan, C Barker, D B Hawcutt

- 384** Exome sequencing in patients with antiepileptic drug exposure and complex phenotypes
A Jackson, H Ward, R L Bromley, C Deshpande, P Vasudevan, I Scurr, J Dean, N Shannon, J Berg, S Holder, D Baralle, J Clayton-Smith, DDD Study

- 390** Evaluation of the causal effects between dopamine infusion changeover and fluctuations in mean arterial pressure in neonates
K Kirupakaran, P de Sousa, C Le Roux, L Redwood, H Rabe, B A Patel

- 395** Compatibility of pentoxifylline and parenteral medications
A L Campbell, M Petrovski, SMDK G Senarathna, N Mukadam, T Strunk, K T Batty

Review

- 399** Investigation and management of hypocalcaemia
R Nadar, N Shaw

Voices

- 406** The life and contribution of Professor David Sanders through his publications
T Waterston

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



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/>



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.

Archimedes

- 408** Towards evidence-based medicine for paediatricians
B Phillips
- 409** Is use of ibuprofen safe in children with signs and symptoms of lower respiratory tract infection?
K Skehin, A Thompson, P Moriarty
- 410** In the child with pulmonary hypertension, does treatment with enteral sildenafil compared with a slow wean from nitric oxide alone prevent rebound pulmonary hypertension and allow for discontinuation of nitric oxide?
S Molloy, S McVea, A Thompson, T Bourke

PostScript

- 413** Evaluation of the implementation of the 2012 ESPGHAN guideline of Coeliac disease in children: results of a retrospective study in the Netherlands
M Landman, S D M Theuns, H M van Wering, G Tramper, M van Ledden, E Rietveld, N vd Lelij, I K Groeneweg, J Escher, M Groeneweg

- 413** Cellulitis: oral versus intravenous and home versus hospital—what makes clinicians decide?
L F Ibrahim, F E Babl, S M Hopper, P A Bryant
- 415** Children, organ donation and Islam
M Aktaş, G Randhawa, J Brierley

Miscellanea

- 318** Archivist: Large simple pneumothorax? Consider conservative treatment
- 338** Archivist: Digital interventions and attention deficit hyperactivity disorder
- 362** Images in paediatrics: Skin staining due to intravenous iron extravasation in a teenager with Crohn's disease
- 381** Images in paediatrics: Vocal cord granulomas diagnosed on reviewing videolaryngoscopy images
- 398** Images in paediatrics: Benign muscular emphysema mimicking gas-forming infection
- 416** Lucina: Highlights from the literature