



#### Editor in Chief

Nick Brown

#### Senior Editor

Rachel Agbeko

#### Deputy Editors

Patrick Cartlidge (*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](mailto:info.adc@bmj.com)

Twitter: @ADC\_BMJ

#### Senior Production Editor

Malcolm Smith

E: [production.adc@bmj.com](mailto: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, 146<sup>th</sup> Avenue, 2nd Floor, Jamaica, NY 11434, USA

*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, 146<sup>th</sup> Avenue, 2nd Floor, Jamaica, NY 11434, USA

## Contents

Volume 105 Issue 6 | ADC June 2020

### Atoms

- i Highlights from this issue  
*Nick Brown*

### Editorials

- 521 Assessing *pulsus paradoxus* in severe exacerbations of asthma  
*R Aniapravan, C Powell*
- 522 Anthropometry's promise and pitfalls in the diagnosis of undernutrition among infants  
*I Trehan*

### Global child health

- 524 Criteria for undernutrition screening in hospitalised infants under 6 months: a diagnostic accuracy study in a resource-poor setting  
*I O Ezeofor, A L Garcia, C M Wright*
- 530 Screening for infection in unaccompanied asylum-seeking children and young people  
*B Williams, M Boullier, Z Cricks, A Ward, R Naidoo, A Williams, K Robinson, S Eisen, J Cohen*

### Original research

- 533 Oximetry-detected pulsus paradoxus predicts for severity in paediatric asthma  
*S G Krishnan, H C Wong, S Ganapathy, G Y-K Ong*
- 539 Early life exposure to coal mine fire and tobacco smoke affect subclinical vascular function  
*B Zhao, F H Johnston, T O'Sullivan, G J Williamson, S Melody, M Dalton, A Venn, K Negishi*
- 545 Association between hypotension and serious illness in the emergency department: an observational study  
*N N Hagedoorn, J M Zachariasse, H A Moll*
- 553 Vaccine-derived rotavirus strains in infants in England  
*C M Gower, J Dunning, S Nawaz, D Allen, M E Ramsay, S Ladhani*
- 558 Trends in long-stay admissions to a UK paediatric intensive care unit  
*H K Kanthimathinathan, A Plunkett, B R Scholefield, G A Pearson, K P Morris*

- 563 Effectiveness of antimicrobial stewardship programmes in neonatology: a systematic review  
*A R Araujo da Silva, A Marques, C Di Biase, M Fatanin, I Murni, A Dramowski, J Hübner, W Zingg*
- 569 Temporal trends in incidence of Rolandic epilepsy, prevalence of comorbidities and prescribing trends: birth cohort study  
*J Stephen, C J Weir, R FM Chin*
- 575 Higher oxygen saturation with hydroxyurea in paediatric sickle cell disease  
*L van Geysel, M Arigliani, B Inusa, B Singh, W Kozłowska, S Chakravorty, C J Bossley, G Ruiz, D Rees, A Gupta*
- 580 Contact burns: the influence of agents and mechanisms of injury on anatomical burn locations in children <5 years old and associations with child protection referrals  
*A A Javaid, V Bennett, L Hollén, A M Kemp*
- 587 Nutritional rickets under 16 years: UK surveillance results  
*P Julies, R M Lynn, K Pall, M Leoni, A Calder, Z Mughal, N Shaw, C McDonnell, H McDevitt, M Blair*
- 593 Patterns of long-term ADHD medication use in Australian children  
*D Efron, M Mulraney, E Sciberras, H Hiscock, S Hearps, D Coghill*

### Quality improvement

- 598 Setting up school-based diabetes clinics to engage adolescents who frequently 'were not brought to clinic' and improve self-management  
*Y Alins Sahun, K Camara, K Gething, D Shenck, J Kane, Y Tse*

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



When you have finished with this magazine please recycle it.

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics  
[www.publicationethics.org.uk](http://www.publicationethics.org.uk)

---

**Archimedes**

- 601** Towards evidence-based medicine for paediatricians  
*B Phillips*
- 601** Can the laryngeal mask airway be used to give surfactant in preterm infants?  
*N J Smeek, J E O'Shea*
- 603** Are decontamination measures effective in preventing recurrent staphylococcal skin infection in children?  
*L F Pitet, N Curtis*

---

**PostScript**

- 609** Variations in access to continuous glucose monitoring and flash glucose sensors for children and young people in England and Wales: a national survey  
*E C Ferguson, N Wright, F Regan, J C Agwu, E Williams, A Soni, A Timmis, M Kershaw, J Drew, C Moudiottis, S M Ng, On behalf of the Association of Children's Diabetes Clinicians UK*
- 610** Managing children with hydronephrosis: common pitfall during ultrasound follow-up to remember  
*A Arnaud, S Laraqui Hossini, S Tunon de Lara, E Dobremez, J-F Chateil, L Harper*

---

**Miscellanea**

- 538** Archivist: Migraine prophylaxis medication; is it all placebo effect?
- 544** Images in paediatrics: Asymptomatic subcutaneous nodules on the feet of an infant
- 552** Archivist: Stop using the Boston and Philadelphia criteria for assessing the risk of sepsis in febrile infants
- 586** Images in paediatrics: Lingual thyroid: ectopic gland in the tongue base
- 600** Images in paediatrics: From skin to bone: a boy with an unusual cause of acne
- 608** Images in paediatrics: Necrosis of infantile haemangioma with propranolol therapy
- 612** Lucina: Highlights from the literature