

**Editor in Chief** Nick Brown

Senior Editor Rachel Agbeko

## **Deputy Editors**

Claire Lemer (Commissioning) Ben Stenson (Fetal & Neonatal) lan 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: 3.041

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

ADC ISSN No: 0003-9888 (USPS 2424) is published bimonthly by BMJ Publishing Group Ltd, BMA House, Tavistock Square, WC1H 9JR London. Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to Archives of Disease in Childhood, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at BMA House, Tavistock Square WC1H 9HR Lodnon. Air Business Ltd is acting as our mailing agent.

#### Volume 105 Issue 12 | ADC December 2020 **Contents**

### **Atoms**

i Highlights from this issue Nick Brown

#### **Editorial**

1133 Neonatal cardiac surgery in low and middle-income countries: importance of foetal maturation on postoperative outcomes S P Namachivayam

#### Global child health

- **1135** Paediatric snakebite envenoming: the world's most neglected 'Neglected Tropical Disease'? S Pach, J Le Geyt, J M Gutiérrez, D Williams, K P Maduwage, A G Habib, R Gustin, M L Avila-Agüero, K T Ya, I Halbert
- **1140** Neonatal cardiac surgery in low resource settings: implications of birth weight CM Gunasekara, K Movnihan, A Sudhakar, G S Sunil, B P Kotavil, P R Bayya, R K Kumar

#### **Review**

1146 COVID-19: lessons to date from China X Lu, Y Xing, G W-K Wong

## **Paediatric emergency medicine**

**1151** Loop-mediated isothermal amplification for the early diagnosis of invasive meningococcal disease in children



T Waterfield, M D Lyttle, J McKenna, J-A Maney, D Roland, M Corr, K Woolfall, B Patenall, M Shields, D Fairley, on behalf of Paediatric Emergency Research in the UK and Ireland (PERUKI)

1157 The utility of ketones at triage: a prospective cohort study

S Durnin, J Jones, E Ryan, R Howard, S Walsh, I Dawkins, C Blackburn, S M O'Donnell, M J Barrett

# **Original research**

1162 Changes in the UK baby food market surveyed in 2013 and 2019: the rise of baby snacks and sweet/savoury foods

A L Garcia, L Curtin, J D Ronquillo, A Parrett, CM Wright

**1167** Oxygen uptake efficiency slope: a reliable surrogate parameter for exercise capacity in healthy and cardiac children?

A Gavotto, D'arcy Vandenberghe, H Abassi, H Huguet, V Macioce, M-C Picot, S Guillaumont, S Matecki, P Amedro

**1175** Estimated effect of secondary screening for hip dislocation

D Wenger, C I Tiderius, H Düppe

#### Covid-19

1180 COVID-19 in children: analysis of the first pandemic peak in England

S N Ladhani, Z Amin-Chowdhury, H G Davies, F Aiano, I Hayden, I Lacy, M Sinnathamby, S de Lusignan, A Demirjian, H Whittaker, N Andrews, M Zambon, S Hopkins, M E Ramsay

1186 Impact of COVID-19 on diagnosis and management of paediatric inflammatory bowel disease during lockdown: a UK nationwide study

J J Ashton, J Kammermeier, C Spray, R K Russell, R Hansen, L J Howarth, F Torrente, P Deb, E Renji, R Muhammed, T Paul, F Kiparissi, J Epstein, M Lawson, B Hope, V Zamvar, P Narula, A Kadir, D Devadason, H Bhavsar, R M Beattie

1192 Young people's views on their role in the COVID-19 pandemic and society's recovery

> V Larcher, M Dittborn, J Linthicum, A Sutton, J Brierley, C Payne, H Hardy, On behalf of GOSH Young People's Forum

## **Short reports**

1197 Oxygen saturation thresholds in bronchiolitis: examining admissions

T I van Hasselt, B Singham, E Bassett, I D Wacogne, Paediatric Research Across the Midlands (PRAM) Network

**1200** Can children predict psychological recovery after

E Alisic, S N Mangelsdorf, E J Schilpzand, A Barrett, M A Landolt, M R Mehl

**1203** Telehealth spirometry for children with cystic fibrosis

K Logie, L Welsh, S C Ranganathan

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 open-access/



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

www.publicationethics.org.uk



## **Drug therapy**

- **1206** Aciclovir and acute kidney injury: putting the research in context *T Sarsam, S I McWilliam*
- **1208** Serum amoxicillin levels in young infants (0–59 days) with sepsis treated with oral amoxicillin *F Mir, R E Pearce, N Baig-Ansari, S Qazi,*

F Mir, R E Pearce, N Baig-Ansari, S Qazi, J S Barrett, S Abdel-Rahman, G Kearns, A KM Zaidi

- **1215** Acute kidney injury following intravenous acyclovir in children *B J Sandery, J H Erlich, S E Kennedy*
- 1220 Impact of expanding a paediatric OPAT programme with an antimicrobial stewardship intervention

  J. Huynh, K. A. Hodgson, S. Boyce, L. F. Ibrahim, P. A. Bryant

### **Archimedes**

- **1229** Towards evidence-based medicine for paediatricians *B Phillips*
- **1229** Is opioid analgesia superior to NSAID analgesia in children with musculoskeletal trauma? *L. Cortellazzo Wiel, F. Poropat, E. Barbi, G. Cozzi*
- **1232** What time interval is needed between the administration of live attenuated vaccines? *P Zimmermann, A J Pollard, N Curtis*

## Miscellanea

- **1196** Images in paediatrics: Diphtheritic membrane: an alternative approach
- 1202 Archivist: Modern childhood slavery
- **1205** Archivist: Surgery or antibiotics for appendicitis?
- **1236** Lucina: Highlights from the literature