



Journal of the Royal College of Paediatrics and Child Health

**Editor in Chief**

Nick Brown

**Edition Editor**

Ben Stenson

**Senior Editor**

Martin Ward Platt

**Deputy Editors**

Patrick Cartlidge (*Commissioning Editor*)

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)

**Senior Production Editor**

Malcolm Smith

ISSN: 1359-2998 (print)

ISSN: 1468-2052 (online)

**Impact factor** 3.953

**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, 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 shall not be liable for any loss, injury or damage resulting from the use of Heart 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** © 2018 BMJ Publishing Group 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 Limited, Chennai, India and printed in the UK on acid-free paper.

ADC (ISSN No: 0003-9888) is published monthly by BMJ Publishing Group 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 Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

**Fantoms**

**F499** Highlights from this issue  
*M Ward Platt*

**Editorials**

**F500** Postnatal steroids: still a dilemma for neonatologists and parents?  
*H L Halliday*

**F502** Little and large: the effects of twin growth discordance  
*C Halling, J D Corcoran*

**F504** Challenge of determining true outcome of congenital diaphragmatic hernia  
*C Davis, G M Walker*

**Original articles**

**F506** Corticosteroids for the prevention of bronchopulmonary dysplasia in preterm infants: a network meta-analysis  
*L Zeng, J Tian, F Song, W Li, L Jiang, G Gui, Y Zhang, L Ge, J Shi, X Sun, D Mu, L Zhang*

**F512** Cognitive outcome in childhood of birth weight discordant monozygotic twins: the long-term effects of fetal growth restriction  
*R S Swamy, H McConachie, J Ng, J Rankin, M Korada, S Sturgiss, N D Embleton*

**F517** Early population-based outcomes of infants born with congenital diaphragmatic hernia  
*A-M Long, K J Bunch, M Knight, J J Kurinczuk, P D Losty, On behalf of BAPS-CASS*

**F523** High versus standard dose caffeine for apnoea: a systematic review  
*R Vliegthart, M Miedema, G J Hutten, A H van Kaam, W Onland*

**F530** Physiologically based cord clamping stabilises cardiac output and reduces cerebrovascular injury in asphyxiated near-term lambs  
*G R Polglase, D A Blank, S K Barton, S L Miller, V Stojanovska, M Kluckow, A W Gill, D LaRosa, A B te Pas, S B Hooper*

**F539** Haemodynamic effects of umbilical cord milking in premature sheep during the neonatal transition  
*D A Blank, G R Polglase, M Kluckow, A W Gill, K J Crossley, A Moxham, K Rodgers, V Zahra, I Inocencio, F Stenning, D A LaRosa, P G Davis, S B Hooper*

**F547** Epidemiology of UK neonatal infections: the neonatal infection surveillance network  
*B Caines, C Kortsalioudaki, J Buttery, S Pattanayak, A Greenough, J Mathes, A Bedford Russell, N Kennea, P T Heath, On behalf of the neonatal network*

**F554** Persistent pulmonary hypertension of the newborn in extremely preterm infants: a Japanese cohort study  
*H Nakanishi, H Suenaga, A Uchiyama, S Kusuda, on behalf of the Neonatal Research Network, Japan*

**F562** Neonatal mannequin comparison of the Upright self-inflating bag and snap-fit mask versus standard resuscitators and masks: leak, applied load and tidal volumes  
*A R Rafferty, L Johnson, P G Davis, J A Dawson, M Thio, L S Owen*

**F567** Dose-dependent relationship between acidosis at birth and likelihood of death or cerebral palsy  
*R Kelly, SM Ramaiah, H Sheridan, H Cruickshank, M Rudnicka, C Kissack, J-C Becher, B J Stenson*

**F573** Referrals to a perinatal specialist palliative care consult service in Ireland, 2012–2015  
*D L McMahon, M Twomey, M O'Reilly, M Devins*

**F577** Updated birth weight centiles for England and Wales  
*T Norris, S E Seaton, B N Manktelow, P N Baker, J J Kurinczuk, D Field, E S Draper, L K Smith*

**MORE CONTENTS ►**

The content of *Fetal and Neonatal* 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/>



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)



When you have finished with this please recycle it

Receive regular table of contents by email. Register using this QR code.



---

## Reviews

**F583** Stem cell-based therapies in neonatology: a new hope  
*B Thébaud*

**F589** Fetal surgery for spina bifida aperta  
*L Joyeux, E Danzer, A W Flake, J Deprest*

---

## Images in neonatal medicine

**F529** Perforated necrotising enterocolitis presenting as a rapidly expanding abdominal mass in a preterm neonate  
*CL Charlesworth, F Paize, KA Kewley*

**F546** Ischaemic limb lesion in monozygotic twin infant  
*LH Khan, S Manzar*

**F596** Oesophageal atresia with tracheo-oesophageal fistula: an unusual radiological presentation  
*N Patel, R Ebel*

---

## Letters

**F597** Breastfeeding rates at discharge: don't blame the fortifier! A national survey of practice and comparison with NNAP data  
*S Stiles, L de Rooy*

**F598** Prediction of bronchopulmonary dysplasia development  
*KA Hunt, T Dassios, K Ali, A Greenough*

**F599** Correspondence: Research on infection prevention bundles: hidden risk of bias?  
*P Degraeuwe*

**F599** Correspondence: Human milk is perhaps the single most under-rated strategy to prevent bronchopulmonary dysplasia  
*S Verd, G Ginovart*