



Journal of the Royal College of Paediatrics and Child Health

**Editor in Chief**

Martin Ward Platt

**Edition Editor**

Ben Stenson

**Deputy Editors**

Patrick Cartledge (Commissioning Editor)

Imti Choonara (Drug Therapy)

Ian Wacogne (*Education & Practice*)

**Editorial Office**

*Archives of Disease in Childhood*

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7383 6909

F: +44 (0)20 7383 6668

E: [archdischild@bmjgroup.com](mailto:archdischild@bmjgroup.com)

ISSN: 1359-2998 (print)

ISSN: 1468-2052 (online)

Impact factor 3.969

**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** © 2017 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 Nova Techset Private Limited, Bengaluru & 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**

- F95** Highlights from this issue  
*B Stenson*

**Editorial**

- F96** End-of-life decisions for fragile neonates: navigating between opinion and evidence-based medicine  
*A Janvier, B Farlow, E Verhagen, K Barrington*

**Original articles**

- F98** Delivery room deaths of extremely preterm babies: an observational study  
*X Durrmeyer, C Scholer-Lascourrèges, L Boujenah, P Bétrémieux, O Claris, M Garel, M Kaminski, L Foix-L'Hélias, L Caeymaex, the EPIPAGE-2 Extreme Prematurity Writing Group*

- F104** Short-term outcome of treatment limitation discussions for newborn infants, a multicentre prospective observational cohort study  
*N Aladangady, C Shaw, K Gallagher, E Stokoe, N Marlow, for Collaborators Group*

- F110** Neonatal hypoglycaemia: learning from claims  
*J M Hawdon, J Beer, D Sharp, M Upton, On behalf of NHS Improvement Patient Safety Programme 'Reducing Term Admissions to Neonatal Units'*

- F116** Measurement of neonatal heart rate using handheld Doppler ultrasound  
*A Dyson, M Jeffrey, M Kluckow*

- F120** A state-wide assessment of the association between epidural analgesia, maternal fever and neonatal antibiotics in Colorado, 2007–2012  
*A White, D Olson, K Messacar*

- F126** Effect of inspiratory flow rate on the efficiency of carbon dioxide removal at tidal volumes below instrumental dead space  
*E H Hurley, M Keszler*

- F131** The ORACLE Children Study: educational outcomes at 11 years of age following antenatal prescription of erythromycin or co-amoxiclav  
*N Marlow, H Bower, D Jones, P Brocklehurst, S Kenyon, K Pike, D Taylor, A Salt*

- F136** Is the infant car seat challenge useful? A pilot study in a simulated moving vehicle  
*R Arya, G Williams, A Kilonback, M Toward, M Griffin, P S Blair, P Fleming*

- F142** Functional treatment of airway obstruction and feeding problems in infants with Robin sequence  
*W Buchenau, S Wenzel, M Bacher, S Müller-Hagedorn, J Arand, C F Poets*

- F147** MRI and spectroscopy in (near) term neonates with perinatal asphyxia and therapeutic hypothermia  
*T Alderliesten, L S de Vries, L Staats, I C van Haastert, L Weeke, M J N L Benders, C Koopman-Esseboom, F Groenendaal*

- F153** Outcomes of infants born at 22–27 weeks' gestation in Victoria according to outborn/inborn birth status  
*R A Boland, P G Davis, J A Dawson, L W Doyle*

- F162** Insulin resistance, glucagon-like peptide-1 and factors influencing glucose homeostasis in neonates  
*E R Salis, D M Reith, B J Wheeler, R S Broadbent, N J Medlicott*

**Images in neonatal medicine**

- F115** A four-vessel umbilical cord  
*M SW Quak, J MT Draaisma*

- F125** Presentation of acute suppurative parotitis in a newborn with incessant crying  
*A Velkoski, S Amoroso, P Brovedani, G Cont, A Trappan, L Travan*

- F160** Spontaneous ping-pong parietal fracture in a newborn  
*M Loire, M Barat, L M Kinkembo, F Lenhardt, C M'buila*

**Short research report**

- F167** Waiting 2 minutes after sucrose administration—unnecessary?  
*N Meesters, S Simons, J van Rosmalen, I Reiss, J van den Anker, M van Dijk*

- F170** Estimating discharge dates using routinely collected data: improving the preparedness of parents of preterm infants for discharge home  
*P J Fleming, J Ingram, D Johnson, P S Blair*

**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 <http://adc.bmj.com/site/about/guidelines.xhtml#open>



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.



---

**Case report**

**F173** Tension pneumocephalus induced by flow nasal cannula ventilation in a neonate  
*A Iglesias-Deus, A Pérez-Muñuzuri, O López-Suárez, P Crespo, M-L Couce*

**F183** The opioid epidemic and neonatal abstinence syndrome in the USA: a review of the continuum of care  
*J R Pryor, F I Maalouf, E E Krans, R E Schumacher, W O Cooper, S W Patrick*

---

**Reviews**

**F176** Protecting the premature brain: current evidence-based strategies for minimising perinatal brain injury in preterm infants  
*C L Lea, A Smith-Collins, K Luyt*

---

**Hyperion**

**F188** Highlights from the literature



**102 (2)**

*Arch Dis Child Fetal Neonatal Ed* 2017 102: F125-F103

---

Updated information and services can be found at:

<http://fn.bmj.com/content/102/2>

---

*These include:*

**Email alerting  
service**

Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

---

**Notes**

---

To request permissions go to:

<http://group.bmj.com/group/rights-licensing/permissions>

To order reprints go to:

<http://journals.bmj.com/cgi/reprintform>

To subscribe to BMJ go to:

<http://group.bmj.com/subscribe/>