



Journal of the Royal College of
Paediatrics and Child Health

Editor in Chief

R Mark Beattie

Editorial Editor

Ben Stenson

Senior Editor

Martin Ward Platt

Deputy Editors

Patrick Cartledge (Commissioning Editor)

Imti Choonara (Drug Therapy)

Peter Hoyer (EAP)

Ian Wacogne (*Education & Practice*)

Martin Ward Platt (*FNN*)

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

ISSN: 1359-2998 (print)

ISSN: 1468-2052 (online)

Impact factor 3.861

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 © 2015 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 Techset, 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.

Contents

Volume 100 Issue 4 | **ADC Fetal and Neonatal Edition** July 2015

Fantoms

- F283** Highlights from this issue
B Stenson

Editorial

- F284** Should early cranial MRI of preterm infants become routine?
L S De Vries, M J N L Benders, F Groenendaal

Leading article

- F286** Inguinal hernia repair in premature infants: more questions than answers
E M Duggan, V P Patel, M L Blakely

Original articles

- F289** Accuracy of ultrasound in assessing cerebellar haemorrhages in very low birthweight babies
A Parodi, A Rossi, M Severino, G Morana, A Sannia, M G Calevo, M Malova, L A Ramenghi

- F293** Serial cranial ultrasonography or early MRI for detecting preterm brain injury?
A Plaisier, M M A Raets, G M Ecury-Gossens, P Govaert, M Feijen-Roon, I K M Reiss, L S Smit, M H Lequin, J Dudink

- F301** Neurodevelopmental outcomes following late and moderate prematurity: a population-based cohort study
S Johnson, T A Evans, E S Draper, D J Field, B N Manktelow, N Marlow, R Matthews, S Petrou, S E Seaton, L K Smith, E M Boyle

- F309** Keeping babies warm: a non-inferiority trial of a conductive thermal mattress
S R Bhat, N F Meng, K Kumar, K N Nagesh, A Kawale, V K Bhutani

- F314** Perinatal factors associated with long-term respiratory sequelae in extremely low birthweight infants
K Hirata, M Nishihara, J Shiraishi, S Hirano, K Matsunami, K Sumi, N Wada, Y Kawamoto, M Nishikawa, M Nakayama, T Kanazawa, H Kitajima, M Fujimura

- F320** A randomised trial of granulocyte-macrophage colony-stimulating factor for neonatal sepsis: childhood outcomes at 5 years
N Marlow, T Morris, P Brocklehurst, R Carr, F Cowan, N Patel, S Petrou, M Redshaw, N Modi, C J Doré

- F327** In vitro study on work of breathing during non-invasive ventilation using a new variable flow generator
R C Flink, A H van Kaam, F H de Jongh

- F332** Development and validation of a simple algorithm for initiation of CPAP in neonates with respiratory distress in Malawi
S G Hundalani, R Richards-Kortum, M Oden, K Kawaza, A Gest, E Molyneux

- F337** The effect of oxygen content during an initial sustained inflation on heart rate in asphyxiated near-term lambs
K S Sobotka, T Ong, G R Polglase, K J Crossley, T J M Moss, S B Hooper

- F344** The development of a tongue assessment tool to assist with tongue-tie identification
J Ingram, D Johnson, M Copeland, C Churchill, H Taylor, A Emond

Reviews

- F350** Early onset neonatal sepsis: diagnostic dilemmas and practical management
A R B Russell, R Kumar

- F355** A physiological approach to the timing of umbilical cord clamping at birth
S B Hooper, G R Polglase, A B te Pas

- F361** Sustained inflation versus positive pressure ventilation at birth: a systematic review and meta-analysis
G M Schmölzer, M Kumar, K Aziz, G Pichler, M O'Reilly, G Lista, P-Y Cheung

Images in neonatal medicine

- F288** A neonate with a swollen tongue
M Philipps, N C Maxwell, J W Rainsbury

- F313** A case of intestinal duplication
J-I Zhou, W-p Ge, G Liu, X-c Zhu, S-j Xiao, Y-p Tan

- F348** Spatio-temporal imaging correlation to measure tissue impedance in the neonatal brain
T Schindler, J Oei, A Welsh

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



When you have finished with this please recycle it

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



PostScript

F369 Sildenafil in bronchopulmonary dysplasia: safe to use?

A J Wardle, G M Connolly, T Stonier, R Tulloh

F369 The acute-phase protein SAA3 is present in the preterm human colostrum and breast milk

O Knee, A Gupta, A Curley, D S Charnock-Jones, G C S Smith, G Belteki

F371 Current UK practices in steroid treatment of chronic lung disease

S Job, P Clarke

F371 National survey of umbilical venous catheterisation practices in the wake of two deaths

C Hollingsworth, P Clarke, A Sharma, M Upton

F372 Clinician enteral feeding preferences for very preterm babies in the UK

L Mills, N Modi

F374 Oral glucose during targeted neonatal echocardiography: is it useful?

P M Lavoie, A Stritzke, J Ting, M Jabr, A Jain, E Kwan, E Chakkarapani, P Brooks, R Brant, P J McNamara, L Holst

F375 Fetal and neonatal organ transplantation

A McKelvey

Hyperion

F376 Highlights from the literature