

Journal of the Royal College of Paediatrics and Child Health

Interim Editor in Chief

Martin Ward Platt

Edition Editor Ren Stenson

Deputy Editors

Patrick Cartfidge (Commissioning Editor) Inti Choonara [Drug Therapy) Ian Wacogne (Education & Practice)

Editorial Office

Archives of Disease in Childhood BMJ Publishing Group I,td BMA House

Tavistock Square London WC1H BJR, 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 3 969

Disclaimer: ADC is published by BNAI Publishing Clough Lift (a wholly owned autocolory of the British Medical Association) and the Royal Dokege of Feedbards and Chief Health. The owners grand outnour handown to the Eather of ADC ADC Relower guidelines on oddicinal independence produced by the World Association of Medical Editing and the code on good publication practice of the Committee on Publishing Edition.

ACC in intended to medical professionals and is provided without warming express or implied Scienments in the jurinal are the responsibility of their authors and advertisers and not authors institutions the BMJ Publishing Group, the Boral College of Preclamics and Onlit Health or the EMA urbiss otherwise specified or determined by lew Acceptance of advertising does not emply encouragement.

To the falset extent permitted by law, the BMJ Publishing Group shall not be liable for any box, injury or dumage equality from the use of Heart or any information in it whether bland in contract, for or otherwise. Readers are advised to verify any information they choose to tak on.

Copyright ID 2017 EMJ Patienting Group and Royal Dalege of Plandances and Cheld Health, All rights reserved to spart of the publication may be improduced stored in a method bystem, or their antient in enty form or by any means, electronic mechanical photocologistic recording or otherwise without part permission.

ADC is published by BMJ Ribbstong Group Ltd. typesint by Evelar Promedia Services Physic Limbsd, Chemiel, India and printed in the LIK on acid-free paper.

ADC ISSN No. 0003-8888) is published monthly by 8M. Publishing Group and is distributed in the USA by At Riscoses Ltd. Pleudicials postage paid at Jamesia NY. 11433 and additional mailing offices. POSTMASTER: send address charges to Archiver of Dismost in Dishiption of As Business Ltd. (A) Worksey Shopping Inc., 156-15, 146th Avenue, 2nd Riscolarinos, NY. 11434, USA.

# Contents

# Volume 102 Issue 3 | ADC Fetal and Neonatal Edition | May 2017

### **Fantoms**

F189 Highlights from this issue M Ward Platt

## **Editorial**

**F190** What does it mean to be a skinny baby? S B DeMauro

F192 The direct and indirect influence of own mother's milk on bronchopulmonary dysplasia and costs B Poindexter

#### Leading article

F194 Nasal CPAP for neonatal respiratory support in low and middle-income countries

T Lissauer, T Duke, K Mellor, L Molyneux

## **Original articles**

F197 Thin-for-gestational age infants are at increased risk of neurodevelopmental delay at 2 years S M O'Neill, G Hannon, A S Khashan, I O'B Hourihane, L C Kenny, M Kiely, D M Murray

F203 Initial stabilisation of preterm infants: a new resuscitation system with low imposed work of breathing for use with face mask or nasal prongs S Donaldsson, T Drevhammar, L Taittonen,

S Klemming, B Jonsson

F208 Neonatal ventilation with a manikin model and two novel PEEP valves without an external gas source M Thallinger, H.L. Ersdal, C. Morley, C. Purington, Ø Gomo, E. Mduma, J. Eilevstjønn, K. Størdal

F214 Developmental problems in patients with oesophageal atresia: a longitudinal follow-up study WJ Harmsen, FJ Aarsen,
MHM van der Cammen-van Zijp, JM van Rosmalen,
RMH Wijnen, D Tibboel, HIJsselstijn

F220 Neopuff T-piece resuscitator: does device design affect delivered ventilation?

M Hinder, P Jani, A Priyadarshi, A McEwan, M Tracy

F225 Two-hourly versus 3-hourly feeding for very low birthweight infants: a randomised controlled trial NR Ibrahim, TH Kheng, A Nasir, N Ramli, J L K Foo, S H Syed Alwi, H Van Rostenberghe

F230 Enterostomy-related complications and growth following reversal in infants

G Bethell, S Kenny, H Corbett

F235 Determinants of developmental outcomes in a very preterm Canadian cohort

A Synnes, T M Luu, D Moddemann, P Church, D Lee, M Vincer, M Ballantyne, A Majnemer, D Creighton, J Yang, R Sauve, S Saigal, P Shah, S K Lee, on behalf of the Canadian Neonatal Network and the Canadian Neonatal Follow-Up Network

F244 Effect of antibiotic use on antimicrobial antibiotic resistance and late-onset neonatal infections over 25 years in an Australian tertiary neonatal unit D Carr, E H Barnes, A Gordon, D Isaacs

F251 Ultrasound assessment of umbilical venous catheter migration in preterm infants: a prospective study J Franta, A Harabor, A S Soraisham

F256 Influence of own mother's milk on bronchopulmonary dysplasia and costs A L Patel, T J Johnson, B Robin, H R Bigger, A Buchanan, E Christian, V Nandhan, A Shroff, M Schoeny, J L Engstrom, P P Meier

**F262** Outcome of babies with no detectable heart rate before 10 minutes of age, and the effect of gestation

T Sproat, R Hearn, S Hangopal

## Short research report

F266 Oxygen saturation ranges for healthy newborns within 24 hours at 1800 m

OLEN VCGET

<sup>8</sup> M C Morgan, B Maina, M Waiyego, C Mutinda, J Aluvaala, M Maina, M English

## 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 quidelines



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







Receive regular table of contents by email.

Images in neonatal medicine

F224 Staphylococcal scalded skin syndrome in an extremely preterm newborn: management in a neonatal intensive care unit S Valero-Portero, L Quesada-Dorigne, J J Quesada Lopez, Á B Brea-Lamas, M Cidrás-Pidré

F269 Lung haemangioma presenting with air-crescent-sign like image in an extreme premature baby M de Laat, M Proesmans, L Breysem, A Debeer Reviews

F270 A systematic review of administrative and clinical databases of infants admitted to neonatal units Y Statnikov, B Ibrahim, N Modi

F277 The roles of drug therapy given via the endotracheal tube to neonates A Greenough, N Papalexopoulou

Hyperion

F282 Highlights from the literature