Journal of the Royal College of aediatrics and Child Health

ditor in Chief Vick Brown

dition Editor en Stenson

ommissioning Editor Mark Johnson

ditorial Office

rchives of Disease in Childhood MJ Publishing Group Ltd MA House avistock Square ondon WC1H 9JR, UK info.adc@bmj.com

enior Production Editor Malcolm Smith

SSN: 1359-2998 (print) SSN: 1468-2052 (online)

mpact factor 5.747

isclaimer: The Editor of ADC has been inted editorial freedom and ADC is ublished in accordance with editorial idelines issued by the World Association Medical Editors and the Committee on ublication Ethics. ADC is primarily intended or healthcare professionals and its content for information only. The Journal is ublished without any guarantee as to accuracy or completeness and any presentations or warranties are expressly xcluded to the fullest extent permitted by w. Readers are advised to independently erify any information on which they choose rely. Acceptance of advertising by ADC oes not imply endorsement. Neither CPCH nor BMJ Publishing Group Limited all have any liability for any loss, injury or amage howsoever arising from ADC except for liability which cannot be legally xcluded).

opyright © 2022 BMJ Publishing Group to and Royal College of Paediatrics and hild Health. All rights reserved; no part of is publication may be reproduced in any m without permission.

DC is published by BMJ Publishing Group Ltd. vpeset by Exeter Premedia Services Private imited, Chennai, India and printed in the UK on

ADC (ISSN No: 0003-9888) is distributed the USA by Air Business Ltd. Periodicals ostage paid at Jamaica NY 11431, and adlitional mailing offices. POSTMASTER: send ddress changes to Archives of isease in Childhood, Air Business Ltd, o WN Shipping USA, 156-15, 146th Avenue 2nd Floor, Jamaica, NY 11434,

#### **Fantoms**

Highlights from this issue B I Stenson

### **Editorials**

- Therapeutic hypothermia for neonatal encephalopathy: importance of early management T Austin, E Chakkarapani
- F4 Hypothermia for neonatal encephalopathy: how do we move forward? S Shankaran, A Laptook, S Thayyil

## **Original research**

F6

Outcomes of neonatal hypoxic-ischaemic encephalopathy in centres with and without active therapeutic hypothermia: a nationwide propensity score-matched analysis L Shipley, A Mistry, D Sharkey



Life-threatening bronchopulmonary dysplasia: a British Paediatric Surveillance Unit Study R Naples, S Ramaiah, J Rankin, J Berrington,



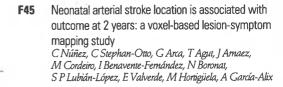
Comparison of two devices for automated oxygen control in preterm infants: a randomised crossover trial HH Salverda, SJE Cramer, RSGM Witlox, T J Gale, P A Dargaville, S C Pauws, A B te Pas

Strict glycaemic control in very low birthweight infants using a continuous glucose monitoring system: a randomised controlled trial A Perri, E Tiberi, L Giordano, A Sbordone, M L Patti, R Iannotta, T Pianini, F Cota, L Maggio, G Vento



Prediction of outcome from MRI and general movements assessment after hypoxic-ischaemic encephalopathy in low-income and middle-income countries: data from a randomised controlled trial K Aker, N Thomas, L Adde, B Koshy, M Martinez-Biarge, I Nakken, CS Padankatti, R Støen

Automated control of oxygen titration in preterm infants on non-invasive respiratory support P A Dargaville, A P Marshall, O J Ladlow, C Bannink, R Jayakar, C Eastwood-Sutherland, K Lim, S K M Ali, T I Gale



F51 Trial of aerosolised surfactant for preterm infants 6 with respiratory distress syndrome L Jardine, K Lui, H G Liley, T Schindler, J Fink, J Asselin, D Durand

- F56 Systematic review of high-flow nasal cannula versus continuous positive airway pressure for primary support in preterm infants S Bruet, M Butin, F Dutheil
- Neuronal exosome proteins: novel biomarkers F60 for predicting neonatal response to therapeutic hypothermia B Pineles, A Mani, L Sura, C Rossignol, M Albayram, M D Weiss, L Goetzl
- F65 Effect of breathing on venous return during **6** delayed cord clamping: an observational study E Brouwer, R Knol, A Kroushev, T Van Den Akker, S B Hooper, A A Roest, A B te Pas
- Neurodevelopmental outcome following hypoxic ischaemic encephalopathy and therapeutic hypothermia is related to right ventricular performance at 24-hour postnatal age R E Giesinger, A I El Shahed, M P Castaldo, A R Bischoff, V Chau, H E A Whyte, A F El-Khuffash, L Mertens, P J McNamara
- Family integrated care: very preterm neurodevelopmental outcomes at 18 months A R Synnes, J Petrie, R E Grunau, P Church, E Kelly, D Moddemann, X Ye, S K Lee, K O'Brien, Canadian Neonatal Network Investigators, Canadian Neonatal Follow-Up Network Investigators

### 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



- F82 Extubation generates lung volume inhomogeneity in preterm infants
  R Bhatia, H R Carlisle, R K Armstrong, C O F Kamlin, P G Davis, D G Tingay
- F87 Parent-reported health status of preterm survivors in a Canadian cohort S Ghotra, D Feeny, R Barr, J Yang, S Saigal, M Vincer, J Afifi, P S Shah, S K Lee, A R Synnes, Canadian Neonatal Follow-Up Network Investigators

# **Short report**

F95 Nasal expression of SARS-CoV-2 entry receptors in newborns S Heinonen, O Helve, S Andersson, C Janér, L Süvari, A Kaskinen

### **Reviews**

**F98** Opioids and the developing brain: time to rethink perinatal care for infants of opioid-dependent mothers *J P Boardman, H Mactier, L A Devlin* 

**F105** Decision to extubate extremely preterm infants: art, science or gamble?

W Shalish, M Keszler, P G Davis,
G M Sant'Anna

## **PostScript**

F113 Follow-up after very preterm birth in Europe
A-V Seppänen, E S Draper, S Petrou, H Barros,
L Andronis, S W Kim, R F Maier, P Pedersen,
J Gadzinowski, J Lebeer, U Ådén, L Toome,
A F J van Heijst, M Cuttini, J Zeitlin, SHIPS
Research Group

## Images in neonatal medicine

F94 Unusual position of the umbilicus in a neonate S K Tsoi, C Brock, M Simeonovic, T Lu, N Thomas

**F97** Neonatal necrotising fasciitis Y Wu, X Jiang