

# Fetal & Neonatal

Journal of the Royal College of Paediatrics and Child Health

## Editor-in-Chief

Howard Bauchner (USA)

## Commissioning Editor

Patrick Cartlidge (UK)

## Deputy Editors

Patrick Cartlidge (UK)  
Martin Ward Platt (UK)

## Associate Editors

Michael Bannon (UK)  
R Mark Beattie (UK)  
Frances Bu'lock (UK)  
Alan Fryer (UK)  
John Gregory (UK)  
Georgina Hall (UK)  
Tony McShane (UK)  
Andrew Riordan (UK)  
Robert Scott-Jupp (UK)  
Mike Sharland (UK)  
Michael Silverstein (USA)  
Ann Stark (USA)  
Ben Stenson (UK)  
Robert Tasker (UK)  
Ian Wacogne (UK)

## Statistical Editor

Tim Cole (UK)

## Statistical Advisor—Emeritus

Michael Healy (UK)

## International Advisory Board

B R Agarwal (India)  
Z Bhutta (Pakistan)  
T F Boat (USA)  
T F Fok (China)  
G Greisen (Denmark)  
U Heininger (Switzerland)  
J Kovács (Hungary)  
M Mather (UK)

F Oberklaid (Australia)  
R S Oruamabo (Nigeria)  
A Tenore (Italy)  
A Thomas (UK)  
R Viner (UK)  
C Verity (UK)  
Y Yamashiro (Japan)  
Editor, *BMJ*

## Guidelines for authors and reviewers

Full instructions are available online at: <http://adc.bmj.com/ifora>  
All papers must be submitted via Bench>Press at <http://submit-adc.bmj.com/>

## Subscription information

See inside back cover

ISSN 1359-2998 (print); ISSN 1468-2052 (online)

## Disclaimer

*Archives of Disease in Childhood Fetal & Neonatal Edition* 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 BMA grants editorial freedom to the Editor of *ADC Fetal & Neonatal Edition*. *ADC Fetal & Neonatal Edition* 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 Fetal & Neonatal Edition* 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 Ltd, the BMA or the RCPCH 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 Ltd shall not

be liable for any loss, injury or damage resulting from the use of *ADC Fetal & Neonatal Edition* 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

© 2007 BMJ Publishing Group Ltd & 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 the prior permission of *Archives of Disease in Childhood*.

- Authors are required to grant *Archives of Disease in Childhood* an exclusive licence to publish; further details available online at <http://adc.bmj.com/ifora/licence.dtl>
- *Archives of Disease in Childhood* is published by BMJ Publishing Group Ltd, typeset by The Charlesworth Group and printed in the UK on acid-free paper by Cambrian Printers Limited, Aberystwyth, Wales.
- Periodicals postage paid, Rahway, New Jersey, USA. Postmaster: send address changes to: *Archives of Disease in Childhood*, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA.

## Perspectives Editor

Ieuan Hughes (UK)

## International Health Editor

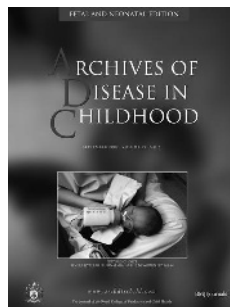
Stephen Greene (UK)

## Book Review Editor

Robert Scott-Jupp (UK)

## Statistical Advisors

Mario Cortina Borja (UK)  
Sara Godward (UK)  
Janine Gray (UK)  
Deborah Ridout (UK)  
Angie Wade (UK)



A J Photo/SPL. Severe hyperbilirubinaemia in the newborn (pp 342–6)

Editor's choice articles are freely available online

## contents ADC

Fetal and Neonatal Edition

Volume 92 Number 5 September 2007

## Fantoms

329 B Stenson

## Perspectives

330 Preventing kernicterus: a wake-up call K Ives

331 Placing preterm infants for sleep: first prone, then supine C F Poets, A von Bodman

332 Drug misuse during pregnancy and fetal M Anderson, I Choonara

## Leading articles

334 Are postnatal steroids ever justified to treat severe bronchopulmonary dysplasia? E C Eichenwald, A R Stark

337 Is nitric oxide effective in preterm infants? N Subhedar, C Dewhurst

## Original articles

342 Prospective surveillance study of severe hyperbilirubinaemia in the newborn in the UK and Ireland D Manning, P Todd, M Maxwell, M J Platt

347 Sleeping position, oxygen saturation and lung volume in convalescent, prematurely born infants Z Kassim, N Donaldson, B Khatriwal, H Rao, K Sylvester, G F Rafferty, S Hannam, A Greenough

351 Methamphetamine detection in maternal and neonatal hair: implications for fetal safety F Garcia-Bournissen, B Rokach, T Karaskov, G Koren

356 Mortality patterns among very preterm babies: a comparative analysis of two European regions in France and England E S Draper, J Zeitlin, D J Field, B N Manktelow, P Truffert

361 Inequities in neonatal survival interventions: evidence from national surveys B Fenn, B R Kirkwood, Z Popatia, D J Bradley

367 Dopamine versus dobutamine in very low birthweight infants: endocrine effects L Filippi, M Pezzati, C Poggi, S Rossi, A Cecchi, C Santoro

372 High-altitude ancestry protects against hypoxia-associated reductions in fetal growth C G Julian, E Vargas, J F Armaza, M J Wilson, S Niermeyer, L G Moore

378 Point of care estimation of haemoglobin in neonates L E Hinds, C L Brown, S J Clark

381 Relationship of tibial speed of sound and lower limb length to nutrient intake in preterm infants J Mercy, B Dillon, J Morris, A J Emmerson, M Z Mughal



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

# contents ADC

## Fetal and Neonatal Edition

- 386 Posture and movement in healthy preterm infants in supine position in and outside the nest *F Ferrari, N Bertocelli, C Gallo, M F Roversi, M P Guerra, A Ranzi, M Hadders-Algra*
- 391 Incidents and errors in neonatal intensive care: a review of the literature *C Snijders, R A van Lingen, A Molendijk, W P F Fetter*
- 399 Influence of maternal diabetes mellitus on fetal iron status *A M Verner, J Manderson, T R J Lappin, D R McCance, H L Halliday, D G Sweet*

### Short report

- 402 Angiotensin-converting enzyme inhibitor fetopathy: long-term outcome *G F Laube, M J Kemper, G Schubiger, T J Neuhaus*

### Reviews

- 404 How has research in the past 5 years changed my clinical practice *A Greenough*
- 408 Impact of common genetic variation on neonatal disease and outcome *D Harding*
- 414 Neonatal nasal intermittent positive pressure ventilation: what do we know in 2007? *L S Owen, C J Morley, P G Davis*

### Perinatal lessons from the past

- 419 Dr Edith Potter (1901–1993) of Chicago: pioneer in perinatal pathology *P M Dunn*

### PostScript

- 421 Letters

### Images in neonatal medicine

- 366 Antenatal diagnosis and postnatal treatment of intrapulmonary arteriovenous malformation *D P Kenny, B Tsai-Goodman, R P Martin, R M Tulloh*
- 371 Life-threatening bleeding from thymic cysts in a newborn *F Eifinger, K Hekmat, C Huenseler, A Vierzig, B Roth*
- 385 Asymmetrical crying facies in monozygotic twins *S Horsch, C Roll*
- 407 Neonatal gastric perforation following inadvertent connection of oxygen to the nasogastric feeding tube *K Ebenezer, A Bose, S Carl*
- 418 Newborn with intermittent grunting in the first hours after delivery *P H G Hogeman, W B de Vries, J J Smit, D C van der Zee*