# **EDUCATION & PRACTICE**

# THE STATE OF THE S

# an edition of Archives of Disease in Childhood

The content of Archives of Disease in Childhood is endorsed by the Royal College of Paediatrics and Child Health for Continued Professional Development in line with RCPCH CPD guidelines

# **EDITOR IN CHIEF**

Nick Brown

# **EDITION EDITOR**

lan Wacogne

# SECTION EDITORS

Best practice: lan Wacogne

Problem solving in clinical practice: Mark Anderson,

Mark Lighe

Learning and teaching: Debbie Murdoch-Eaton

**Epilogue:** Mark Tighe, Lisa Brown **Guidelines:** Philippa Prentice **Illuminations:** Helen Williams

Interpretations: Sam Behjati, Thomas Waterfield

Picket: Giordano Perez-Gaxiola

Equipped and Equipment: Alice Roueche

and Jane Runnacles **Public Health:** Ronny Cheung

Research in Practice: Bob Phillips, John Apps

Education & Practice is an edition of Archives of Disease in Childhood that aims to assist paediatricians at all levels in their training and ongoing professional development. Education & Practice will evolve to continue to meet the needs of paediatricians.

#### **Editorial Office**

**BMJ** Publishing Group Ltd

RMA House

Tavistock Square

lavistock square

London WC1H 9JR, UK
E: archdischild@bmjgroup.com

Senior production editor: Malcolm Smith

production.adc@bmj.com

Reprints: Commercial reprint enquiries (except USA and Canada) please contact Nadia Gurney-Randall, T: +44 (0)7866 262 344, E: ngurneyrandall@bmj.com. In the USA and Canada please contact Ray Thibodeau, T: +1 267 895 1758 (toll free in the USA), M: +1 215 933 8484 (outside the USA), ray.thibodeau@contentednet.com

Authors are required to grant Archives of Disease in Childhood an exclusive licence to publish; further details available online at bmj.com/company/products-services/rights-and-licensing/

Disclaimer: Archives of Disease in Childhood Education & Practice is published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the Royal College of Paediatrics and Child Heath. The owners grant editorial freedom to the Editor of Education & Practice. Education & Practice 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.

Education & Practice 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 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 Ltd shall not be liable for any loss, injury or damage resulting from the use of Education & Practice 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 © 2019 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

Archives of Disease in Childhood is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Limited, Chennai, India and printed in the UK on acid-free paper.

Education & Practice (an edition of Archives of Disease in Childhood) is published bi-monthly by BMJ Publishing Group and distributed in the US by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to Education & Practice, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

# Subscription Information

# Institutional rates 2019

Print (all ADC editions) £986

### Online

Site licences are priced on FTE basis and allow access by the whole institution. Print is available at deeply discounted rates for online subscribers; details available online at http://group.bmj.com/subscribe/?ep or contact the Subscription Manager in the UK (see above right)

ADC Education & Practice edition is published bimonthly and is available separately only to personal subscribers. Institutional customers receive all editions and supplements: Archives of Disease in Childhood is published monthly plus Fetal & Neonatal Edition bimonthly and Education & Practice Edition bimonthly

# Personal rates 2019

**Print** (E&P edition only, includes online access at no additional cost)

£131

# Online only

£104

Personal print or online only and institutional print subscriptions may be purchased online at http://group.bmj.com/subscribe/?ep (payment by Visa/Mastercard only)

Residents of some EC countries and Canada must pay VAT; for details, call us or visit www.bmj.com/ subscriptions/vatandpaymentinfo.dtl

ISSN 1743-0585 (print); 1743-0593 (online)

Impact factor: 1.59

# **Contents**

## **Epistle**

1 Highlights from this issue I D Wacogne

# **Best practice**

- Fifteen-minute consultation: Using point of care ultrasound to assess children with respiratory failure H L Ord, M I Griksaitis
- 11 Fifteen-minute consultation: The angry child A Swanepoel



- **16** Fifteen-minute consultation: Red flags for metabolic disease in routine bloods *C Hart, J E Davison, M A Cleary*
- 20 Fifteen-minute consultation: Breastfeeding in the first
   2 weeks of life—a hospital perspective I Levene, F O'Brien

# **Epilogue**

**15** A critically ill child with dark urine A Zayegh, J Lee, H Peters, D Efron

# **Guideline review**

- Perspective from the chairs of the British Association of Perinatal Medicine Framework for Practice working group on neonatal hypoglycaemia J P Boardman, J Westman
- 29 Identification and management of neonatal hypoglycaemia in the full-term infant (British Association of Perinatal Medicine—Framework for Practice) I Levene, D Wilkinson
- 33 Thresholds for hypoglycaemic screening—a cause for concern? A L Ogilvy-Stuart, J E Harding, K Beardsall

# Interpretations

**35** How to use saturation monitoring in newborns *S McVea, M McGowan, B Rao* 

# Learning and teaching

'So why didn't you think this baby was ill?' Decision-making in acute paediatrics *D Roland*, *E Snelson* 

# Medicines update

49 What factors affect adherence to medicines? L A Dawson

# Structured abstracts of sentinel articles: Pickets

- 55 Childhood kidney disease is associated with increased risk of end-stage renal failure in adulthood A L Newnham, A J Friend
- Cognitive behavioural therapy, short-term psychoanalytical psychotherapy and brief psychosocial intervention are all effective in the treatment of depression in adolescents R Srinivasan, S Walker, J Wakefield



www.publicationethics.org.uk

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

