



EDUCATION & PRACTICE

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

INTERIM EDITOR IN CHIEF

Martin Ward-Platt

EDITION EDITOR

Ian Wacogne

SECTION EDITORS

Best practice: Ian Wacogne

Problem solving in clinical practice: Mark Anderson

Pharmacy update: Sharon Conroy, Steve Tomlin

Learning and teaching: Debbie Murdoch-Eaton

Dermatophile: Peter Liu

Epilogue: Mark Tighe

Guidelines: Philippa Prentice

Illuminations: Helen Williams

Interpretations: Sam Behjati

Picket: Giordano Perez-Gaxiola

Equipped and Equipment: Alice Roueche

and Jane Runnacles

Public Health: Ronny Cheung

Research in Practice: Bob Phillips, John Apps

Reprints: Commercial reprint enquiries (except USA and Canada) please contact Nadia Gurney-Randall, T: +44 (0)20 8445 5825, F: +44 (0)20 8445 5870. E: ngurneyrandall@bmjgroup.com. In the USA and Canada please contact Ray Thibodeau, T: +1 267 895 1758 (toll free in the USA) T: +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 <http://adc.bmj.com/site/about/guidelines.xhtml>

For further information about ADC visit <http://ep.bmj.com/site/about/>

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 Health. 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 © 2017 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.

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

Archives of Disease in Childhood

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7383 6467

F: +44 (0)20 7383 6668

E: archdischild@bmjgroup.com

Senior production editor: Malcolm Smith
production.adc@bmj.com

Contents

Epistle

225 Highlights from this issue I Wacogne

Best practice

227 Fifteen-minute consultation: the child with pica
B McNaughten, I Bourke, A Thompson

230 Fifteen-minute consultation: the management of microscopic haematuria R A Dalrymple, I J Ramage

235 Fifteen-minute consultation: stabilisation of the high-risk newborn infant beside the mother N Batey, C W Yoxall,
OPEN ACCESS J A Fawke, L Dulev, J Dorling

239 Fifteen minute consultation: Practical pain management in paediatric palliative care E J Harrop, K Brombley, K Boyce

Interpretations

244 How to use... lymph node biopsy in paediatrics S Farndon,
OPEN ACCESS S Behjati, N Jonas, B Messahel

Learning and teaching

249 Continuing professional development: putting the learner back at the centre C Macdougall, M Epstein, L Highet

Guideline review

254 Prevention and management of procedural pain in the neonate: an update, American Academy of Pediatrics, 2016 Y Lim, S Godambe

Research in practice

257 What is the microbiome? P Amon, I Sanderson

261 What is broad-range 16S rDNA PCR? A Patel, K A Harns,
OPEN ACCESS F Fitzgerald

Illuminations

265 A source of tension H Williams

Epilogue

267 New onset strabismus in association with ear pain S Ghani,
M Likeman, M D Lytle

270 Waves, traces and shark fins S McVea, K Skehin, M Terris

272 A baby with a painful shoulder C Mount, D Hindley

Structured abstracts of sentinel articles: Picket

274 Oral syringes with millilitre measurements are safer than dosing cups for administration of medication for children Y Moore, A Iqbal

275 Distal forearm fractures can be reliably diagnosed using ultrasound A J Friend, D Roland

276 General anaesthesia under the age of 4 years has minimal impact on future academic performance A J Friend,
T Engelhardt, T Hansen

277 Consumption of artificial sweeteners in pregnancy increased overweight risk in infants F Ali

Equipment: QI reports

278 Paediatric sepsis, the underrecognised killer: quality improvement initiative of outreach teaching in paediatric sepsis C E Stewart, T Radia, K Ghafoor

COPE
Member since 2008
JM0014

www.publicationethics.org.uk
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

equator
network

Subscription Information

Institutional rates 2017

Print (all ADC editions)
£896

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 2017

Print (E&P edition only, includes online access at no additional cost)
£118

Online only
£94

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: 1.215