



# 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

## EDITOR IN CHIEF

R Mark Beattie

## EDITION EDITOR

Ian Wacogne

## SECTION EDITORS

**Best practice:** Ian Wacogne

**Problem solving in clinical practice:** Greg Skinner,

Mark Anderson

**Pharmacy update:** Sharon Conroy, Steve Tomlin

**Learning and teaching:** Debbie Murdoch-Eaton

**Dermatophile:** Peter Lio

**Guidelines:** Philippa Pringle

**illuminations:** Helen Williams

**Interpretations:** Sam Bahjat

**Picket:** Giordano Perez-Gaxiola

**Equipped and Equipment:** Alice Rowaeha

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

*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](mailto:archdischild@bmjgroup.com)

**Senior production editor:** Malcolm Smith

[production.adc@bmj.com](mailto:production.adc@bmj.com)

**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](mailto: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](mailto: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 © 2016 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 Nova Typeset Private Limited, Bengaluru & 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.

## Contents

### Epistle

- 57 Highlights from this issue  
*I Wacogne*

### Guideline review

- 58 Guidelines for diagnosing and managing paediatric concussion: Ontario Neurotrauma Foundation guideline  
*S Hingley, J Ross*
- 61 Contraception for adolescents (American Academy of Pediatrics)  
*K E MacGregor, S N Khadr*
- 65 Idiopathic constipation in children clinical practice guidelines  
*S P Paul, S R Broad, C Spray*

### illuminations

- 70 Chian I malformation  
*H Williams*
- 76 Answers to Illuminations questions

### Best practice

- 71 Fifteen minute consultation: a structured approach to the recognition and management of concussion in children and adolescents  
*A N Kanani, S Hartshorn*
- 77 Doing more for mental health  
*M Davie*
- 82 Providing effective evidence for the coroner  
*B George, K Nicholls, S Pompeus, V Vasu*
- 87 Fifteen minute consultation: tics and Tourette syndrome  
*M T Ong, S R Merdekar, A Seal*

### Epilogue

- 95 Complications of a totally implantable venous access device  
*O Narayan, S-A Ho, W Lenney, D Wells, F Gilchrist*
- 112 Answers to Epilogue questions

### Interpretations

- 96 How to interpret malaria tests  
*E Dyer, T Waterfield, M Eisenhut*

### Quality improvement

- 102 Annual review of children with neurofibromatosis type 1  
*BM Dunning-Davies, APJ Parker*

## Subscription Information

### Institutional rates 2016

Print (all ADC editions)  
£851; US\$1660; €1149

### 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 2016

Print (E&P edition only, includes online access at no additional cost)  
£112; US\$219; €152

### Online only

£89; US\$174; €121

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](http://www.bmj.com/subscriptions/vatandpaymentinfo.dtl)

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

Impact factor: 1.453

Receive regular table of contents by email. Register using this QR code.



equator network

C O P E  
Member since 2008  
JG02014

[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