



Caption: Indian Cobra.

**Editor-in-Chief**

R Mark Beattie

**Deputy Editors**

Patrick Cartledge (Commissioning Editor)

Imti Choonara (Drug Therapy)

Peter Hoyer (EAP)

Ian Wacogne (E&amp;P)

Martin Ward Platt (FNN)

**Editorial Office***Archives of Disease in Childhood*

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London WC1H 9JR, UK

T: +44 (0)20 7383 6909

F: +44 (0)20 7383 6668

E: [archdiscchild@bmjgroup.com](mailto:archdiscchild@bmjgroup.com)

ISSN: 0003-9888 (print)

ISSN: 1468-2044 (online)

**Impact factor:** 3.05

Journal of the Royal College of

Paediatrics and Child Health

**Disclaimer:** *ADC* 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 *ADC*. *ADC* 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* 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, 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 shall not be liable for any loss, injury or damage resulting from the use of *ADC* 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** © 2013 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.

*ADC* is published by BMJ Publishing Group Ltd, typeset by Techset, and printed in the UK on acid-free paper from sustainable forests.

*ADC* (ISSN No: 0003-9888) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 and additional mailing offices. POSTMASTER: send address changes to *Archives of Disease in Childhood*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146<sup>th</sup> Avenue, 2nd Floor, Jamaica, NY 11434, USA

**Atoms**

- i** Highlights from this issue  
*R M Beattie*

**Editorials**

- 571** How to perform cardiopulmonary resuscitation: an opportunity for technology development  
*I Maconochie, R Bingham*

- 572** Can I (still) resuscitate a baby?  
*R I Hearne*

- 574** Setting the research agenda for women and children: the role of Health Technology Assessment  
*I Choonara, T Kenny*



OPEN ACCESS

**Original articles**

- 576** Do chest compressions during simulated infant CPR comply with international recommendations?  
*P S Martin, A M Kemp, P S Theobald, S A Maguire, M D Jones*

- 582** A longitudinal cohort study to investigate the retention of knowledge and skills following attendance on the Newborn Life support course  
*C M J Mosley, B N J Shaw*

- 587** A qualitative study of uptake of free vitamins in England  
*T Jessiman, A Cameron, M Wiggins, P J Lucas*



OPEN ACCESS

- 592** Central sleep-disordered breathing and the effects of oxygen therapy in infants with Prader-Willi syndrome  
*D S Urquhart, T Gulliver, G Williams, M A Harris, O Nyunt, S Suresh*

- 596** Factors affecting outcome in children with snake envenomation: a prospective observational study  
*J Sankar, R Nabeel, M J Sankar, L Priyambada, S Mahadevan*



EDITOR'S CHOICE

- 602** Hypoxic challenge test applied to healthy children: influence of body positions and exertion on pulse oximetric saturation  
*H E Kobbervagel, K G Nielsen, B Hanel*

**Short research report**

- 608** *Staphylococcus aureus* abscesses: methicillin-resistance or Panton-Valentine leukocidin presence?  
*M B López, C G González, M<sup>a</sup> Á Orellana, F Chaves, P Rojo*

**Case report**

- 611** Neonatal herpes simplex 2 infection presenting with supraglottitis  
*N W Machin, D Morgan, A J Turner, G Lipshen, P D Arkwright*

**Reviews**

- 613** The utility of sildenafil in pulmonary hypertension: a focus on bronchopulmonary dysplasia  
*A J Wardle, R Wardle, K Luyt, R Tulloh*

- 618** Neurodegenerative disorders and metabolic disease  
*G Pierre*

- 625** A short guide to understanding behavioural difficulties  
*Q Spender*

**Global child health**

- 629** Water, sanitation, hygiene and enteric infections in children  
*J Brown, S Cairncross, J H J Ensink*



OPEN ACCESS

- 635** Global trends in neglected tropical disease control and elimination: impact on child health  
*M A Barry, G G Simon, N Mistry, P J Hotez*

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

**MORE CONTENTS ►**

EDITOR'S CHOICE

This article has been chosen by the Editor to be of special interest or importance and is freely available online.



OPEN ACCESS

This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://adc.bmj.com/site/about/guidelines.xhtml#open>



PRESS RELEASE

An article carrying this symbol denotes that it has been selected for press release

C O P E COMMITTEE ON PUBLICATION ETHICS

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

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



When you have finished with this magazine please recycle it.

---

**Archimedes**

**642** Towards evidence based medicine for paediatricians  
*B Phillips*

**642** Question 1: In a child with epilepsy, does melatonin affect the seizure threshold?  
*S Banerjee, V Kumar*

**644** Question 2: Does a failure to respond to antipyretics predict serious illness in children with a fever?  
*D King*

**607** Images in paediatrics: Diffuse cutaneous mastocytosis: a heterogeneous disease  
*I Neri, A Viridi, R Balestri, A Patrizi*

**634** Images in paediatrics: Normal voiding does not exclude posterior urethral valves  
*G Patti, S Naviglio, M Pennesi, M Gregori, V Moressa, A Ventura*

**586** Archivist: Rhinovirus infections, genes and childhood asthma

**651** Correction

**652** Lucina: Highlights from the literature

---

**Miscellanea**

**575** Images in paediatrics: Herpes zoster acquired in utero  
*R Mehta, D Ferdinand*

---

**PostScript**

**647** Letters