



Credit: istock/Tatyana Tomsickova

Editor in Chief
R Mark Beattie

Deputy Editors
Patrick Cartlidge (Commissioning)
Imti Choonara (Drug Therapy)
Peter Hoyer (EAP)
Ian Wacogne (Education & Practice)

Senior Editor
Martin Ward Platt

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: archdischild@bmjgroup.com
Twitter: @ADC_BMJ

Production Editor
Malcolm Smith
E: production.adc@bmj.com
ISSN: 0003-9888 (print)
ISSN: 1468-2044 (online)

Impact factor: 2.899
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 © 2015 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, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA

Contents

Volume 100 Issue 8 | ADC August 2015

Atoms

- i Highlights from this issue
R M Beattie

Editorials

- 719 Defining normal heart and respiratory rates in children
R C Parslow
- 720 Neonatal screening for hereditary tyrosinaemia: are we there yet?
N Hadžić, R Vara

Leading articles

- 722 Tachypnoea in a well baby: what to do next?
I M Balfour-Lynn, M L Rigby
- 728 The value of microarray-based comparative genomic hybridisation (aCGH) testing in the paediatric clinic
T A Briggs, J Harris, J Innes, A Will, P D Arkwright, J Clayton-Smith

Original articles

- 733 Defining normal ranges and centiles for heart and respiratory rates in infants and children: a cross-sectional study of patients attending an Australian tertiary hospital paediatric emergency department
F O'Leary, A Hayen, F Lockie, J Peat
- 738 Outcome of children with hereditary tyrosinaemia following newborn screening
P J McKiernan, M A Preece, A Chakrapani
- 742 Aetiology of arthritis in hospitalised children: an observational study
C Aupiais, B Ilharreborde, C Doit, A Blachier, M Desmarest, C Job-Deslandre, K Mazda, A Faye, S Bonacorsi, C Alberti, M Lorrot
- 748 Predicting severe motor impairment in preterm children at age 5 years
A Synnes, P J Anderson, R E Grunau, D Dewey, D Moddemann, W Tin, P G Davis, L W Doyle, G Foster, M Khairy, C Nwaesie, B Schmidt, on behalf of the CAP Trial Investigator group

- 754 Radiofrequency ablation changes the quality of life of children with supraventricular tachycardias
H M Abo-Haded
- 758 The role of infant appetite in extended formula feeding
H Syrad, C H M van Jaarsveld, J Wardle, C H Llewellyn
- 763 Chronic comorbidities in children with type 1 diabetes: a population-based cohort study
S F Farsani, P C Souverein, M M J van der Vorst, C A J Knibbe, A de Boer, A K Mantel-Teeuwisse
- 769 Conflict escalation in paediatric services: findings from a qualitative study
L Forbat, B Teuten, S Barclay
- 774 Surgical outcomes of the endoscopic transsphenoidal route to pituitary tumours in paediatric patients >10 years of age: 5 years of experience at a single institute
R Zhan, G Xu, T M Wiebe, X Li
- 779 Influence of adiposity on health-related quality of life in the Gateshead Millennium Study cohort: longitudinal study at 12 years
K N Parkinson, A J Adamson, L Basterfield, J K Reilly, A L Couteur, J J Reilly

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



MORE CONTENTS ►

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'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



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

www.publicationethics.org.uk



When you have finished with
this magazine please recycle it.

Case report

- 784** Dietary restriction causing iodine-deficient goitre
T Cheetham, E Plumb, J Callaghan, M Jackson, L Michaelis

Reviews

- 787** Current state of interventional cardiology in congenital heart disease
J R Bentham, J D R Thomson
- 793** A diagnostic approach to recurrent myalgia and rhabdomyolysis in children
E K Chan, A J Kornberg, M M Ryan
- 798** Selective dorsal rhizotomy: an old treatment re-emerging
K Aquilina, D Graham, N Wimalasundera

Archimedes

- 803** Towards evidence based medicine for paediatricians
B Phillips
- 803** Question 1: Role of methotrexate in severe atopic eczema in children
M Scott

- 806** Question 2: Blast from the past: is oral salbutamol useful in resource-poor settings?
D A O'Reilly, A Awale, P Cartledge

Miscellanea

- 727** Archivist: Radical new treatments for cystic fibrosis
- 732** Images in paediatrics: Bilateral dislocation of the ocular lens in an African child
E Schaefenaar, G S Baarsma, R P H Peters
- 773** Images in paediatrics: Labial frenum tear from instrumental delivery
H Gurung, A Cohn
- 786** Archivist: Neonatal vitamin A supplementation in low-income communities
- 810** Lucina: Highlights from the literature