

Preface

This collection of articles from 2011 to 2014 has been chosen to emphasise the broad nature of paediatric clinical pharmacology. It will hopefully be useful to readers interested in paediatric clinical pharmacology. Clinical trials are important, but appropriate formulation and access to medicines and health care are equally important. Additionally, the rational use of medicines is essential to minimise drug toxicity.

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The aim is to try and produce a collection of articles on paediatric clinical pharmacology each year and circulate them to interested individuals. Apologies to those individuals who have written an Open Access article dealing with an aspect of paediatric clinical pharmacology in the last few years that is not included in this collection. The selection of articles relates mainly to ones that I have either authored or been involved with as an editor. If you publish something Open Access in relation to paediatric clinical pharmacology and wish it to be considered in next year's collection, please contact me: imti.choonara@nottingham.ac.uk. Please note, however, that although all Open Access articles will be considered, it is not possible to include all of them.

Many thanks to Karen Kirkland for her excellent support in putting the articles together into two collections. One is combined into a PDF (16MB). The other is a smaller PDF with electronic links to the articles.

Comments for the 2015 collection will be gratefully received.

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OPEN ACCESS PAEDIATRIC CLINICAL PHARMACOLOGY, 2011-2014

Introduction

- Choonara I, Sammons H. Paediatric clinical pharmacology in the UK. Arch Dis Child 2014; 99:1143-1146.

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Access

- Bázquez Arencibia Z, López Leyva A, Mejías Peña Y, González Reyes AR, Acosta Nápoles M, Carbonell Perdomo D, Fernández Manzano E, Choonara I. Access to antiepileptic drug therapy in children in Camagüey Province, Cuba. Int J Pharm Pract 2012; 20: 390-394.

Link: <http://onlinelibrary.wiley.com/doi/10.1111/j.2042-7174.2012.00215.x/full>

- Choonara I. Why children do not receive treatment. Arch Dis Child 2014;99;605-606.

Link: <http://adc.bmj.com/content/early/2014/04/19/archdischild-2013-305257.full>

- Alkahtani S, Cherrill J, Millward C, Grayson K, Hilliam R, Sammons H, Choonara I. Access to medicines by child refugees in the East Midlands region of England: a cross-sectional study. BMJ Open 2014;4:e006421.

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- Wang X, Fang Y, Yang S, Jiang M, Yan K, et al. (2014) Access to Paediatric Essential Medicines: A Survey of Prices, Availability, Affordability and Price Components in Shaanxi Province, China. PLoS ONE 9(3): e90365. doi:10.1371/journal.pone.0090365.

Link: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0090365>

Clinical trials and cohort studies

- Nor Aripin KNB, Choonara I, Sammons HM. Systematic review of safety in paediatric drug trials published in 2007. Eur J Clin Pharmacol 2012; 68: 189-194.

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Link: <http://onlinelibrary.wiley.com/doi/10.1111/bcp.12113/full>

- Choonara I, Kenny T. Setting the research agenda for women and children: the role of Health Technology Assessment. Arch Dis Child 2013;98:574-575.

Link: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717783/>

- Gringas P, Gamble C, Jones AP, Wiggs L, Williamson PR, Sutcliffe A, Montgomery P, Whitehouse WP, Choonara I, Allport T, Edmond A, Appleton R, on behalf of the MENDS Study Group. Melatonin for sleep problems in children with neurodevelopmental disorders: randomised double masked placebo controlled trial. BMJ 2012; 345: e6664.

Link: <http://www.bmj.com/content/345/bmj.e6664>

- Peter Jones, Mark J. Peters, Nathalia Pinto da Costa, Tobias Kurth, Corinne Alberti, Katia Kessous, Noella Lode, Stephane Dauger. Atropine for Critical Care Intubation in a Cohort of 264 Children and Reduced Mortality Unrelated to Effects on Bradycardia. Published 28 Feb 2013. PLOS ONE 10.1371/journal.pone.0057478.

Link: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0057478>

Drug toxicity

- Adefurin A, Sammons H, Jacqz-Aigrain E, Choonara I. Ciprofloxacin safety in paediatrics: a systematic review. Arch Dis Child 2011; 96: 874-880.

Link: <http://adc.bmj.com/content/96/9/874.long>

- Egunsola O, Adefurin A, Fakis A, Jacqz-Aigrain E, Choonara I, Sammons H. Safety of fluconazole in paediatrics: a systematic review. Eur J Clin Pharmacol 2013;69:1211-1221.

Link: <http://link.springer.com/article/10.1007/s00228-012-1468-2/fulltext.html>

Formulations

- Van Riet-Nales D et al. Acceptability of different oral formulations in infants and preschool children. Arch Dis Child 2013;98:725-31.

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Medication errors

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Link: <http://adc.bmj.com/content/100/1/73.full>

Pharmacokinetics

- Altamimi M, Sammons H, Choonara I. Inter-individual variation in midazolam clearance in children. Arch Dis Child 2015;100:95-100.

Link: <http://adc.bmj.com/content/100/1/95.long>

Pharmacoepidemiology

- Kaguelidou F, Pandolfini C, Manzoni P, Choonara I, Bonati M, Jacqz-Aigrain E. European survey on the use of prophylactic fluconazole in neonatal intensive care units. Eur J Pediatr 2012; 171: 439-445.

Link: <http://link.springer.com/article/10.1007/s00431-011-1565-8/fulltext.html>

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Link: <http://link.springer.com/article/10.1007/s00228-012-1415-2/fulltext.html>

Pharmacovigilance

- Bázquez Arencibia Z, López Leyva A, Mejías Peña Y, González Reyes AR, Fernández Manzano E, Choonara I. Pharmacovigilance in children in Camagüey Province, Cuba. Eur J Clin Pharmacol 2012; 68: 1079-1084.

Link: <http://link.springer.com/article/10.1007/s00228-012-1222-9/fulltext.html>

- Gallagher RM, Mason JR, Bird KA, Kirkham JJ, Peak M, et al. (2012) Adverse Drug Reactions Causing Admission to a Paediatric Hospital. PLoS ONE 7(12): e50127. doi:10.1371/journal.pone.0050127.

Link: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0050127>

- Hui Li, Xiao-Jing Guo, Xiao-Fei Ye, Hong Jiang, Wen-Min Du, Jin-Fang Xu, Xin-Ji Zhang, Jia He. Adverse Drug Reactions of Spontaneous Reports in Shanghai Pediatric Population. Research Article | published 24 Feb 2014 | PLoS ONE 10.1371/journal.pone.0089829.

Link: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0089829>

- Smyth RMD, Gargon E, Kirkham J, Cresswell L, Golder S, et al. (2012) Adverse Drug Reactions in Children—A Systematic Review. PLoS ONE 7(3): e24061. doi:10.1371/journal.pone.0024061.

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Rational prescribing

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Link: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0101171>

Substandard medicines

- Almuzaini T, Choonara I, Sammons H. Substandard and counterfeit medicines: a systematic review of the literature. BMJ Open 2013; 3: e002923. doi: 10.1136/bmjopen-2013002923.
Link: <http://bmjopen.bmj.com/content/3/8/e002923.full>
- Almuzaini T, Sammons H, Choonara I. Substandard and falsified medicines in the UK: a retrospective review of drug alerts (2001-2011). BMJ Open 2013; 3: e002924. doi: 10.1136/bmjopen-2013-002924.
Link: <http://bmjopen.bmj.com/content/3/7/e002924.full>
- Almuzaini T, Sammons H, Choonara I. Quality of medicines in Canada: a retrospective review of risk communication documents. BMJ Open 2014;4:e006088. doi:10.1136/bmjopen-2014-006088.
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