Paediatrics Evidence Update
March 2019

Produced by the Clinical Librarian Service

To access resources click on the blue hyperlinks, if you are unable to read the full text of any item please contact the Clinical Librarian team or make an article request using this form.

The Clinical Librarian team are here to help with evidence searches, current awareness and training with information seeking skills, critical appraisal and referencing. We can assist you remotely, at your place of work or in the library at the QuAD Centre.

If you have any further enquiries please do not hesitate to get in touch.

You can contact us by email at Clinical.Librarian@porthosp.nhs.uk or call extension 6042.

Alternatively you can contact one of the team directly:
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The Clinical Librarian team endeavours to find as much of the latest evidence in your clinical area as possible, however make no claim as to the exhaustive nature of the update.

For more specific areas of interest within Paediatrics we would recommend a literature search or KnowledgeShare bulletin.

Click here to access on site
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Click here to start search (Intranet only)
Or via OpenAthens

KnowledgeShare

Would you like your own, tailored evidence updates? Email the Clinical Librarian team to receive bulletins every two weeks on the topics of your choice.
Most recent guidance published:
Cochlear implants for children and adults with severe to profound deafness - guidance (TA566)

Other Guidance/Reports

dasatinib (Sprycel®)
All Wales Medicines Strategy Group

Administering disease modifying anti rheumatic drugs (DMARDs) and biologic therapies to children and young people with rheumatological conditions
British Society for Rheumatology

The Use of Unlicensed Medicines or Licensed Medicines for Unlicensed Applications in Paediatric Practice
Royal College of Paediatrics and Child Health

Systematic Reviews and Research Protocols

Psychological therapies (remotely delivered) for the management of chronic and recurrent pain in children and adolescents

Constraint-induced movement therapy in children with unilateral cerebral palsy

Long-term antibiotics for preventing recurrent urinary tract infection in children
Systematic reviews from other sources

The Relevance of Cognitive Behavioral Models of Post-Traumatic Stress Following Child Maltreatment: A Systematic Review.
Trauma, Violence & Abuse

Adolescents with chronic illness and the transition to self-management: A systematic review.
Journal of Adolescence

The Utility of the Focused Assessment With Sonography in Trauma Examination in Pediatric Blunt Abdominal Trauma: A Systematic Review and Meta-Analysis.
Pediatric Emergency Care

Outcomes of young people who reach the transition boundary of child and adolescent mental health services: a systematic review.
European Child & Adolescent Psychiatry

Management of Isolated Skull Fractures in Pediatric Patients: A Systematic Review.
Pediatric Emergency Care

Instruments assessing parental responsive feeding in children ages birth to 5 years: A systematic review.
Appetite

The Benefits and Burdens of Pediatric Palliative Care and End-of-Life Research: A Systematic Review.
Journal of Palliative Medicine

This month’s clinical questions are...

For adolescents and adults with persistent asthma, does adding inhaled salmeterol to fluticasone propionate increase the risk of serious adverse events (SAEs)?

For children with sepsis or septic shock, how does liberal fluid therapy compare with conservative fluid therapy?

Primary Research

Social Media Influencer Marketing and Children’s Food Intake: A Randomized Trial
Pediatrics

Age-related gait standards for healthy children and young people: the GOS-ICH paediatric gait centiles
Archives of Disease in Childhood

Periungual scabies in infants: a tough reservoir of mites presenting with lamellar desquamation
Clinical validation of an evidence-based method to adjust Pancreatic Enzyme Replacement Therapy through a prospective interventional study in paediatric patients with Cystic Fibrosis

Archives of Disease in Childhood

Delayed appearance of mature ganglia in an infant with an atypical presentation of total colonic and small bowel aganglionosis: a case report

BMC Pediatrics

The Me first communication model

Nursing Children & Young People

Continuous subcutaneous insulin infusion versus multiple daily injection regimens in children and young people at diagnosis of type 1 diabetes: pragmatic randomised controlled trial and economic evaluation

BMJ

Clinical and biological predictors of response to standardised paediatric colitis therapy (PROTECT): a multicentre inception cohort study

The Lancet

Effect of enhancing audit and feedback on uptake of childhood pneumonia treatment policy in hospitals that are part of a clinical network: a cluster randomized trial

Implementation Science

Association of Atopic Dermatitis With Sleep Quality in Children

JAMA Dermatology

When is difficult asthma severe?

Paediatrics and Child Health

The role of the physiotherapist in paediatric respiratory medicine

Paediatrics and Child Health

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DynaMed Plus®

Athens is required for off-site access to DynamedPlus

**Topic:** Ureteropelvic junction obstruction

**Summary:** younger age and previous tubular acidosis may each be associated with postobstructive diuresis following open pyeloplasty in children with ureteropelvic junction obstruction (J Pediatr Urol 2018 Jun)

**Topic:** Peanut allergy

**Summary:** peanut protein patch applied daily might improve tolerance at 12 months in children with peanut allergy and no history of severe anaphylactic reaction (JAMA 2019 Feb 22 early online)

**Topic:** Management of appendicitis in children

**Summary:** consistent findings in systematic review of 1 randomized trial and 9 cohort studies comparing antibiotic treatment vs. appendectomy in 851 children with uncomplicated appendicitis (Ann Surg 2019 Jan)
Topic: Noninvasive positive pressure ventilation (NPPV) in infants and children
Summary: nasal continuous positive airway pressure may reduce respiratory distress in infants with bronchiolitis, but limited evidence to evaluate effect on intubation (Cochrane Database Syst Rev 2019 Jan 31)

Topic: Sever disease
Summary: factors associated with calcaneal apophysitis comparing 124 children with clinical diagnosis of calcaneal apophysitis to population norms included (J Pediatr 2015 Aug)

Topic: Immunizations in children and adolescents
Summary: MMR vaccination may not be associated with increased risk of autism in children (Ann Intern Med 2019 Mar 5)

Topic: Diaper dermatitis
Summary: olive oil 1.5% ointment may be as effective as calendula oil 1.5% ointment for decreasing erythema in children < 2 years old with nonsevere diaper dermatitis (Dermatol Ther 2018 Nov)

Topic: Ketogenic diet in children
Summary: ketogenic diet and modified Atkins diet might reduce seizure frequency in children with drug-resistant epilepsy (Cochrane Database Syst Rev 2018 Nov 7)

Topic: Management of rhabdomyosarcoma in children
Summary: VAC/VI alternating regimen appears to have similar 4-year overall survival compared to VAC regimen, but may have lower hematologic toxicity in children with intermediate-risk rhabdomyosarcoma (J Clin Oncol 2018 Sep 20)

Paediatrics in the News

Children's growth patterns 'predict obesity risk before age 5'
NHS.UK - Behind the Headlines

Are children's ball pits really 'riddled with killer germs'?
NHS.UK - Behind the Headlines

Online Resources

BestBETs - BETs bring the evidence one step closer to the bedside, by providing answers to very specific clinical problems, using the best available evidence.

British National Formulary (BNCF) for Children

Children and Young People – Government Policy

The Royal Marsden Manual of Clinical Procedures – available via your Athens login

NHS Choices - Behind the Headlines – the latest newspaper headlines debunked.
The Clinical Librarian team can help set up table of content alerts to the journal of your choice.

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