

Paediatrics Evidence Update May 2023

Produced by the Clinical Librarian Service

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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.

BMJ Best Practice

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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.

Contents (click title to view)

NICE Guidance	Other Guidance
Cochrane Systematic Reviews	Systematic reviews from other sources
Cochrane clinical answers	Primary Research
BMJ Best Practice	Paediatric health in the News
Online Resources	Electronic Journals
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Most recent guidance published:

[Diabetes \(type 1 and type 2\) in children and young people: diagnosis and management \[NG18\]](#)

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Balanced crystalloid solutions versus 0.9% saline for treating acute diarrhoea and severe dehydration in children](#)

[Nasal high flow therapy for primary respiratory support in preterm infants](#)

[PEG-asparaginase treatment regimens for acute lymphoblastic leukaemia in children: a network meta-analysis](#)

Systematic reviews from other sources

[A systematic review and pooled prevalence of symptoms among childhood and adolescent and young adult cancer survivors.](#)

A systematic review of paediatric neurogenic lower urinary tract dysfunction guidelines using the Appraisal of Guidelines and Research Evaluation (AGREE) II instrument.

Associations between chronic stress and hair cortisol in children: A systematic review and meta-analysis.

Bite force of children and adolescents: a systematic review and meta-analysis.

Body image and dietary habits in adolescents: a systematic review.

Clinical Characteristics and Interventions for Ingested Magnetic Foreign Bodies in Children: A Systematic Review and Meta-analysis.

Cochlear Implantation in Children with Enlarged Vestibular Aqueduct: A Systematic Review of Surgical Implications and Outcomes.

Comparison of paediatric emergency department visits for attempted suicide, self-harm, and suicidal ideation before and during the COVID-19 pandemic: a systematic review and meta-analysis.

Complementary and alternative medicine for children with sickle cell disease: A systematic review.

Cytokines and refractory mycoplasma pneumoniae pneumonia in children: a systematic review.

Effectiveness and Pharmacokinetic Exposures of First-Line Drugs Used to Treat Drug-Susceptible Tuberculosis in Children: A Systematic Review and Meta-Analysis.

Efficacy, tolerability and safety of perampanel in children and adolescents with epilepsy: Systematic review and meta-analysis.

Electromagnetic fields exposure on fetal and childhood abnormalities: Systematic review and meta-analysis.

Epidemiology of Allergic Rhinitis in Children: a Systematic Review and Meta-Analysis.

Factors Associated With Delirium in Children: A Systematic Review and Meta-Analysis.

Incorporation of patient and family values and preferences for health-related outcomes in paediatric obesity management: A systematic review.

Measurement instruments to evaluate diaper dermatitis in children: Systematic review of measurement properties.

Melanoma in children: a systematic review and individual patient meta-analysis.

Micronutrient status in children and adolescents with Down syndrome: systematic review and meta-analysis.

Mortality and neurodevelopmental outcomes of infants with spontaneous intestinal perforation: a systematic review and meta-analysis.

Perfectionism and eating disorders in children and adolescents: A systematic review and meta-analysis.

Stump appendicitis in children: a systematic review.

Systematic review: Impact of parental decision on paediatric COVID-19 vaccination.

Usefulness of virtual autopsy in diagnosing pathologies in the paediatric population: A systematic review.

Validity of the Childhood Asthma Control Test in diverse populations: A systematic review.



This month's clinical questions are...

Is there RCT evidence to support the use of zinc supplementation in children for preventing mortality, morbidity, and growth failure?

What are the effects of vitamin D as an adjunct to antibiotics for treating acute childhood pneumonia?

Primary Research

A Phase III, multicenter, randomized, double-blind, active comparator-controlled study to evaluate the safety, tolerability, and immunogenicity of V114 compared with PCV13 in healthy infants (PNEU-PED-EU-1).

Baseline characteristics of participants in the NAVKIDS2 trial: a patient navigator program in children with chronic kidney disease.

Biomarker-guided duration of antibiotic treatment in children hospitalised with confirmed or suspected bacterial infection: statistical analysis plan for the BATCH trial and PRECISE sub-study.

Comparison of Dichoptic Therapy Versus Occlusion Therapy in Children With Anisometropic Amblyopia: A Prospective Randomized Study.

Does routine spirometry impact on clinical decisions and patient-related outcome measures of children seen in respiratory clinics: an open-label randomised controlled trial.

Effect of Tulobuterol Patch Versus Placebo on the Occurrence of Respiratory Adverse Events in Children Undergoing Tonsillectomies: A Randomized Controlled Trial.

Effects of a Parenting Intervention for Emotional and Behavioral Problems in Young Autistic Children Under Conditions of Enhanced Uncertainty: Two-Year Follow-up of a Pilot Randomized Controlled Trial Cohort (ASTAR) During the United Kingdom COVID-19 Pandemic.

Effects of exergaming on the microcirculation of adolescents with overweight or obesity—a clinical trial efficacy.

Ferric Carboxymaltose Versus Ferrous Fumarate in Anemic Children with Inflammatory Bowel Disease: The POPEYE Randomized Controlled Clinical Trial.

Hyperhydration to Improve Kidney Outcomes in Children with Shiga Toxin-Producing *E. coli* Infection: a multinational embedded cluster crossover randomized trial (the HIKO STEC trial).

Impact of vitamin D in children with chronic tonsillitis (immunohistochemical study of CD68 polarisation and proinflammatory cytokines estimation).

Nonmetastatic Rhabdomyosarcoma in Children and Adolescents: Overall Results of the European Pediatric Soft Tissue Sarcoma Study Group RMS2005 Study.

Preventing the Early Introduction of Juice and Sugar-Sweetened Beverages in Infants' Diets: A Randomized Controlled Trial.

Proton therapy and limited surgery for paediatric and adolescent patients with craniopharyngioma (RT2CR): a single-arm, phase 2 study.

The efficacy of honey or olive oil on the severity of oral mucositis and pain compared to placebo (standard care) in children with leukemia receiving intensive chemotherapy: A randomized controlled trial (RCT).

Triple-combination clindamycin phosphate 1.2%/benzoyl peroxide 3.1%/adapalene 0.15% gel for moderate-to-severe acne in children and adolescents: Randomized phase 2 study.



Topic: [Assessment of abdominal pain in children](#)

Topic: [Assessment of rash in children](#)

Topic: [Brachial plexus birth injury](#)

Topic: [Bulimia nervosa](#)

Topic: [Delayed puberty](#)

Topic: [Enuresis](#)

Topic: [Infantile spasms syndrome](#)

Topic: [Measles infection](#)

Topic: [Otitis media with effusion](#)

Topic: [Precocious puberty](#)

Topic: [Respiratory syncytial virus infection](#)

Topic: [Rubella](#)

Topic: [Sudden infant death syndrome](#)

Paediatrics in the News

<https://www.england.nhs.uk/news/>

No updates.

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

Journals & table of contents alerts

The Clinical Librarian team can help set up table of content alerts to the journal of your choice.

[Archives of Disease in Childhood](#)

[Paediatrics and Child Health](#)

[BMC Pediatrics](#)

[Nursing Children and Young People](#)

[Pediatric Nursing](#)

[Pediatrics](#)

National Institute for Health Research (NIHR)



No updates.



Athens is required for off-site access to UpToDate

[Early return to activity after concussion in children](#)

[Elexacaftor-tezacaftor-ivacaftor for children \$\geq 2\$ years with cystic fibrosis](#)

[Inaccurate melatonin labeling and unintentional ingestions in young children](#)

[Pediatric deaths caused by fentanyl](#)

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