

Paediatrics Evidence Update

April 2023

Produced by the Clinical Librarian Service

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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

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Contents (click title to view)

NICE Guidance	Other Guidance
Cochrane Systematic Reviews	Systematic reviews from other sources
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BMJ Best Practice	Paediatric health in the News
Online Resources	Electronic Journals
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NICE
National Institute for
Health and Care Excellence

Most recent guidance published:

No updates.

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Caffeine dosing regimens in preterm infants with or at risk for apnea of prematurity](#)
[Chest physiotherapy for acute bronchiolitis in paediatric patients between 0 and 24 months old](#)

[Interventions for patent ductus arteriosus \(PDA\) in preterm infants: an overview of Cochrane Systematic Reviews](#)

[Nebulised hypertonic saline solution for acute bronchiolitis in infants](#)

[Personalised interventions for subgroups of children with conduct problems](#)

[Polyunsaturated fatty acids \(PUFA\) for attention deficit hyperactivity disorder \(ADHD\) in children and adolescents](#)

Systematic reviews from other sources

A systematic review of hormone treatment for children with gender dysphoria and recommendations for research.

Assessment and impact of paediatric internalized weight bias: A systematic review.

Assessment of Efficacy and Safety of mRNA COVID-19 Vaccines in Children Aged 5 to 11 Years: A Systematic Review and Meta-analysis.

Clinical-pathologic profile of head and neck rhabdomyosarcoma in children: a systematic review.

Comparative efficacy and optimal duration of first-line antibiotic regimens for acute otitis media in children and adolescents: a systematic review and network meta-analysis of 89 randomized clinical trials.

Diagnostic models predicting paediatric viral acute respiratory infections: a systematic review.

Do sex differences in paediatric type 1 diabetes care exist? A systematic review.

Drain placement in paediatric complicated appendicitis: a systematic review and meta-analysis.

Functional Alteration in the Brain Due to Tumour Invasion in Paediatric Patients: A Systematic Review.

Global Proportion of Disordered Eating in Children and Adolescents: A Systematic Review and Meta-analysis.

Glucocorticoid-Induced Psychosis in Children and Adolescents: A Systematic Review.
Infant feeding type and maternal sleep during the postpartum period: a systematic review and meta-analysis.

Medical instability in typical and atypical adolescent anorexia nervosa: a systematic review and meta-analysis.

Open versus closed reduction internal fixation for lateral condyle humeral fractures in children: a systematic review and meta-analysis.

Outcomes of Paediatric Cystine Stone Management: Results of a Systematic Review.

Paediatric Asthma and the Microbiome: A Systematic Review.

Paediatric family activated rapid response interventions; qualitative systematic review.

Pneumococcal Vaccination in Children: A Systematic Review and Meta-Analysis of Cost-Effectiveness Studies.

Post-tuberculosis sequelae in children and adolescents: a systematic review.

Self-management interventions for children and young people with sickle cell disease: A systematic review.

Single-Strain Probiotic Lactobacilli for the Treatment of Atopic Dermatitis in Children: A Systematic Review and Meta-Analysis.

Systematic review and meta-analysis showed that complementary and alternative medicines were not effective for infantile colic.

Systematic review of the development and effectiveness of digital health information interventions, compared with usual care, in supporting patient preparation for paediatric hospital care, and the impact on their health outcomes.

Systematic Review of the Effectiveness of Complementary and Alternative Medicine on Nausea and Vomiting in Children With Cancer.

The impact of COVID-19 on sleep for autistic children: A systematic review.

Toppling television injuries in children and adolescents: a systematic review and meta-analysis.

Visual impairment and periventricular leukomalacia in children: A systematic review.



This month's clinical questions are...

What are the benefits and harms of methylphenidate in children and adolescents with attention deficit hyperactivity disorder (ADHD)?

What is the prognosis of adults and children following a first unprovoked seizure?

Primary Research

Advancing Survivors Knowledge (ASK Study) of Skin Cancer Surveillance After Childhood Cancer: A Randomized Controlled Trial in the Childhood Cancer Survivor Study.

Clinical characteristics and influencing factors of infectious diarrhea in preschool children: An observational study.

Complications and outcomes of cochlear implantation in children younger than 12 months: A multicenter study.

Diet diversity in infancy and child obesity: A birth cohort study.

Diffuse alveolar haemorrhage in children: an international multicentre study.

Efficacy and safety of ritlecitinib in adults and adolescents with alopecia areata: a randomised, double-blind, multicentre, phase 2b-3 trial.

Efficacy of dopamine, epinephrine and blood transfusion for treatment of fluid refractory shock in children with severe acute malnutrition or severe underweight and cholera or other dehydrating diarrhoeas: protocol for a randomised controlled clinical trial.

Gender in the Suicidal Experience: A Qualitative Study among Adolescents.

Long COVID in Children and Adolescents: A Retrospective Study in a Pediatric Cohort.

Methods for analyzing infant heart rate variability: A preliminary study.

Mode of delivery and asthma in childhood and adolescence: Findings from the Millennium Cohort Study.

Nurses' effort for providing end-of-life care in paediatric oncology: a phenomenological study.
Prevalence and associations of fatigue in childhood atopic dermatitis: A cross-sectional study.

RECAST: Study protocol for an observational study for the understanding of the increased
REsilience of Children compared to Adults in SARS-CoV-2 infecTion.

Safety and Efficacy of Ceftolozane/Tazobactam Versus Meropenem in Neonates and Children With
Complicated Urinary Tract Infection, Including Pyelonephritis: A Phase 2, Randomized Clinical Trial.

Safety and efficacy of pitolisant in children aged 6 years or older with narcolepsy with or without
cataplexy: a double-blind, randomised, placebo-controlled trial.

Safety study of moxifloxacin in children with severe refractory Mycoplasma pneumoniae pneumonia.
Standardized nailfold capillaroscopy in children with rheumatic diseases: a worldwide study.

Stunting Following Moderate-to-Severe Diarrhea Among Children Aged <5 Years in Africa Before
and After Rotavirus Vaccine Introduction: A Comparison of the Global Enteric Multicenter Study and
the Vaccine Impact on Diarrhea in Africa (VIDA) Study.

The ADEM2 project: early pathogenic mechanisms of preschool wheeze and a randomised
controlled trial assessing the gain in health and cost-effectiveness by application of the breath test
for the diagnosis of asthma in wheezing preschool children.

The Efficacy and Safety of Rapamycin in Children with Tuberous Sclerosis: A Cross-sectional Study.

The Infant Kidney Dialysis and Ultrafiltration (I-KID) Study: A Stepped-Wedge Cluster-Randomized
Study in Infants, Comparing Peritoneal Dialysis, Continuous Venovenous Hemofiltration, and
Newcastle Infant Dialysis Ultrafiltration System, a Novel Infant Hemodialysis Device

The relationship between childhood leukaemia and childhood asthma: A
pharmacoepidemiological study from the Netherlands.

Vitamin B12 status in infancy and the effect of a vitamin B12 injection in infants with subclinical
vitamin B12 deficiency: study protocol for a register-based randomised controlled trial.



Athens is required for off-site access to BMJ Best Practice

Topic: [Acute varicella-zoster](#)

Topic: [Cleft lip and palate](#)

Topic: [Common hereditary lysosomal storage diseases](#)

Topic: [Croup](#)

Topic: [Fetal alcohol spectrum disorder](#)

Topic: [Retinoblastoma](#)

Topic: [Reye's syndrome](#)

Topic: [Sexual abuse and assault](#)

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)



**National Institute for
Health Research**

[Antipsychotics are increasingly prescribed to children and teenagers](#)

[One-session treatment is as effective as multi-session therapy for young people with phobias](#)

[Online support improved eczema symptoms in children and young people](#)



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[Bivalent COVID-19 mRNA vaccine recommendations](#)

[Hemolytic disease of the fetus and newborn due to anti-M](#)

[Investigational antisense therapy fitusiran for hemophilia](#)

[Trofinetide in patients with Rett syndrome](#)

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