

Paediatrics Evidence Update October 2022

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:

Aaron.Razack@porthosp.nhs.uk

Rebecca.Howes@portshosp.nhs.uk

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

[Click here to start search](#)
(Intranet only)

Or [via OpenAthens](#)

 **UpToDate®**

[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.

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
UpToDate	



Most recent guidance published:

No updates.

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Collective leadership to improve professional practice, healthcare outcomes and staff well-being](#)

[Splinting for the non-operative management of developmental dysplasia of the hip \(DDH\) in children under six months of age](#)

Systematic reviews from other sources

[A systematic review and meta-analysis of the epidemiological characteristics of COVID-19 in children.](#)

[A systematic review of current status and challenges of vaccinating children against SARS-CoV-2.](#)

[Acupuncture for the treatment of childhood anorexia: A systematic review and meta-analysis.](#)

Calcium Intake and Metabolism in Infants and Young Children: A Systematic Review of Balance Studies for Supporting the Development of Calcium Requirements.

COVID-19 vaccination and carditis in children and adolescents: a systematic review and meta-analysis.

Effect of Prenatal Omega-3 Polyunsaturated Fatty Acid Supplementation on Childhood Eczema: A Systematic Review and Meta-Analysis.

Effect of Topical Antibiotics on Duration of Acute Infective Conjunctivitis in Children: A Randomized Clinical Trial and a Systematic Review and Meta-analysis.

Epidemiology and clinical evolution of non-multisystem inflammatory syndrome (MIS-C) dermatological lesions in pediatric patients affected by SARS-CoV-2 infection: A systematic review of the literature.

Guidelines for treating child and adolescent obesity: A systematic review.

Hyperbaric oxygen in children with cerebral palsy: A systematic review of effectiveness and safety.

Hyponatremia as a predictor of complicated appendicitis in children: A systematic review and meta-analysis.

Long-term expiratory airflow of infants born moderate-late preterm: A systematic review and meta-analysis.

Long-Term Outcomes in Children with Congenital Toxoplasmosis-A Systematic Review.

Predictors of outcomes of proximal humerus fractures in children and adolescents: A systematic review.

The effect of fatty acids, vitamins, and minerals on pediatric atopic dermatitis: A systematic review.

Safety and efficacy of abacavir for treating infants, children, and adolescents living with HIV: a systematic review and meta-analysis.

Safety and efficacy of COVID-19 vaccines in children and adolescents: A systematic review of randomized controlled trials.

Safety and efficacy of romiplostim in children and adolescents with Immune thrombocytopenia: A systematic review.

Systematic Review and Meta-Analysis of the Efficacy and Safety of Metformin and GLP-1 Analogues in Children and Adolescents with Diabetes Mellitus Type 2.

Systematic review of the effect of additional doses of oral rotavirus vaccine on immunogenicity and reduction in diarrhoeal disease among young children.

Treatment of closed femoral shaft fractures in children aged 2-10 years: a systematic review and meta-analysis.

Unhealthy Food and Beverage Consumption in Children and Risk of Overweight and Obesity: A Systematic Review and Meta-Analysis.

Vitamin A in children's pneumonia for a COVID-19 perspective: A systematic review and meta-analysis of 15 trials.

No updates.

Primary Research

A randomized trial of vitamin D supplementation to prevent seasonal influenza and enterovirus infection in children.

Avelumab in paediatric patients with refractory or relapsed solid tumours: dose-escalation results from an open-label, single-arm, phase 1/2 trial.

Effect of High-Frequency Oscillatory Ventilation, Combined With Prone Positioning, in Infants With Acute Respiratory Distress Syndrome After Congenital Heart Surgery: A Prospective Randomized Controlled Trial.

Effects of a Novel High-Quality Protein Infant Formula on Energetic Efficiency and Tolerance: A Randomized Trial.

Efficacy of a loading dose of IV salbutamol in children with severe acute asthma admitted to a PICU: a randomized controlled trial.

Efficacy of Primary Closure Technique in Treatment of Post-Sternotomy Mediastinitis in Paediatric Group: A Randomized Controlled Trial.

Immunogenicity and safety of an enterovirus 71 vaccine in children aged 36-71 months: A double-blind, randomised, similar vaccine-controlled, non-inferiority phase III trial.

Infant behavioral state and stool microbiome in infants receiving *Lactocaseibacillus rhamnosus* GG in formula: randomized controlled trial.

Perioperative pain management based on enhanced recovery after surgery in children undergoing adenotonsillectomy: A prospective, randomized controlled trial.

Safety and preliminary efficacy on cognitive performance and adaptive functionality of epigallocatechin gallate (EGCG) in children with Down syndrome. A randomized phase Ib clinical trial (PERSEUS study).

Sustainable deimplementation of continuous pulse oximetry monitoring in children hospitalized with bronchiolitis: study protocol for the Eliminating Monitor Overuse (EMO) type III effectiveness-deimplementation cluster-randomized trial.

The effect of neuromuscular electrical stimulation on serum glucose levels in children and adolescents with type-1 diabetes mellitus: a single group clinical trial.

The effect of oxytocin nasal spray on social interaction in young children with autism: a randomized clinical trial.

Topic: [Down's syndrome](#)

Topic: [Muscular dystrophies](#)

Topic: [Roseola](#)

Topic: [Sepsis in children](#)

Paediatrics in the News

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

[NHS helps record numbers of young people with their mental health as students return to universities](#)

[World-first national genetic testing service to deliver rapid life-saving checks for babies and kids](#)

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)



Almost 1 in 4 toddlers miss the 2 year development check



Athens is required for off-site access to UpToDate

Administration of vasoactive therapy by peripheral IV in children with shock

Allergen immunotherapy for atopic dermatitis

Antenatal corticosteroids for anticipated preterm birth before 23 weeks

Completely automated insulin delivery systems for type 1 diabetes

Expanded ACIP recommendations for oral cholera vaccine

Mechanisms causing disability accrual in multiple sclerosis

Risk of meningitis in febrile young infants with a positive urinalysis

Risk of progression to dementia in Down syndrome

Severe complications of button battery ingestion in children

Synthetic ("tobacco-free") oral nicotine product use in teenagers

Updated guidance on neonatal hyperbilirubinemia

Want to see our [latest additions to book stock](#)? You can also request new books for the library, just email anja.ankerstjerne@porthosp.nhs.uk with the text you want and purpose.