

Paediatrics Evidence Update June 2023

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 | |

NICE
National Institute for
Health and Care Excellence

Most recent guidance published:

No updates.

Other Guidance/Reports

[Atopic eczema in under 12s: diagnosis and management \[CG57\]](#)

[Minimally invasive fusionless posterior-approach surgery to correct idiopathic scoliosis in children and young people \[IPG765\]](#)



Systematic Reviews and Research Protocols

[Comparative effectiveness of psychological interventions for treating the psychological consequences of sexual abuse in children and adolescents: a network meta-analysis](#)

[Healthy eating interventions delivered in early childhood education and care settings for improving the diet of children aged six months to six years](#)

[Non-pharmacological management of infant and young child procedural pain](#)

[Oral stimulation for promoting oral feeding in preterm infants](#)

[Routine monitoring of gastric residual for prevention of necrotising enterocolitis in preterm infants](#)

Systematic reviews from other sources

A Systematic Review and Meta-Analysis of Comparing Drainage Alone versus Drainage with Primary Fistula Treatment for the Perianal Abscess in Children.

Cerebral near-infrared spectroscopy monitoring to predict periventricular-intraventricular haemorrhage and neurodevelopmental outcomes in preterm infants: a protocol for a systematic review and meta-analysis.

Comparative effectiveness and safety of antibiotic prophylaxis during induction chemotherapy in children with acute leukaemia: a systematic review and meta-analysis.

Delay in the diagnosis of paediatric brain tumours: a systematic review.

Effects of virtual reality on preoperative anxiety in children: A systematic review and meta-analysis of randomised controlled trials.

Effects of vitamin D supplementation in obese and overweight children and adolescents: A systematic review and meta-analysis.

Efficacy and safety of pharmacological interventions for managing sickle cell disease complications in children and adolescents: Systematic review with network meta-analysis.

Efficacy of body position on gastric residual in preterm infant: a systematic review and meta-analysis.

Efficacy of vigabatrin in the treatment of infantile epileptic spasms syndrome: A systematic review and meta-analysis.

Exposure to magnetic fields and childhood leukemia: a systematic review and meta-analysis of case-control and cohort studies.

Inhaled nitrous oxide for painful procedures in children and youth: a systematic review and meta-analysis.

Interventions in primary and community care to reduce urgent paediatric hospital admissions: systematic review.

K Wires or Cannulated Screws for Fixation of Lateral Condyle Fractures in Children: A Systematic Review of Comparative Studies.

Laparoscopic cholecystectomy in children: A systematic review and meta-analysis.

Malignant spinal cord compression in the paediatric population-a systematic review, meta-analysis. Myopia and sleep in children - a systematic review.

Outcomes of very preterm infants with hyperglycaemia treated with insulin: A systematic review and meta-analysis.

Participant retention in paediatric randomised controlled trials published in six major journals 2015-2019: systematic review and meta-analysis.

Platelet transfusions in preterm infants: current concepts and controversies-a systematic review and meta-analysis.

Risk of asthma in preterm infants with bronchopulmonary dysplasia: a systematic review and meta-analysis.

School-age outcomes of children after perinatal brain injury: a systematic review and meta-analysis.

Systematic review of the association between isolated musculoskeletal hypermobility and adolescent idiopathic scoliosis.

The association between maternal air pollution exposure and the incidence of congenital heart diseases in children: A systematic review and meta-analysis.

The effect of early childhood respiratory infections and pneumonia on lifelong lung function: a systematic review.

The global prevalence of vestibular dysfunction in children and adolescents: a systematic review and meta-analysis.

The outcome of COVID-19 in children with chronic lung disease: Systematic review and meta-analyses.

The Relationship Between Loneliness and Internet or Smartphone Addiction Among Adolescents: A Systematic Review and meta-Analysis.

The safety of repeated ketamine dosing in paediatrics: A systematic review.

Tumour necrosis factor (TNF) antagonist therapy for paediatric inflammatory bowel disease: A systematic review.

Ultrasonography in the assessment of hand injuries in children: A systematic review.



This month's clinical questions are...

What are the effects of homeopathic medicinal products for preventing acute respiratory tract infections in children?

What are the effects of homeopathic medicinal products for treating acute respiratory tract infections in children?

What are the effects of probiotics for the management of functional abdominal pain disorders in children?

Primary Research

A Multi-Center Clinical Trial for Wireless Stethoscope-Based Diagnosis and Prognosis of Children Community-Acquired Pneumonia.

A qualitative phenomenological study of nurses' experiences in caring for infants and children with life-limiting and life-threatening conditions.

A randomized, controlled trial of a Nordic, protein-reduced complementary diet in infants: effects on body composition, growth, biomarkers, and dietary intake at 12 and 18 months.

A Retrospective Study of Complications of Enteral Feeding in Critically Ill Children on Noninvasive Ventilation.

An Assessment of the Relationship Between BMI and Children Undergoing Surgical Procedures: A Retrospective Study.

Analysis of Multimorbidity of Moderate to Severe Allergic Rhinitis in Children: A Real-World Study. Assessment of autoantibodies in paediatric population with primary immunodeficiencies: a pilot study.

Clinical characteristics of 47 children with pigmentary mosaicism: A cross-sectional study. Comparative study of pandemics and their impact on children and adolescents: COVID-19 and Spanish Flu.

Effectiveness of training before unседated MRI scans in young children: a randomized control trial. Etiology and outcomes of acute kidney disease in children: a cohort study.

Impact of preventive pill-based treatment on migraine days: A secondary outcome study of the Childhood and Adolescent Migraine Prevention (CHAMP) trial and a comparison of self-report to nosology-derived assessments.

Individualised versus standard duration of antibiotic therapy in children with acute uncomplicated febrile urinary tract infection: a study protocol and statistical analysis plan for a multicentre randomised clinical trial.

Infant botulism: a descriptive study in a pediatric intensive care unit.

Medical clowns versus sedation for paediatric urinary catheter insertion-A randomised pilot study. Methods for analyzing infant heart rate variability: A preliminary study.

Oral-only antibiotics for bone and joint infections in children: study protocol for a nationwide randomised open-label non-inferiority trial.

Paediatric aortic valve replacement: a meta-analysis and microsimulation study.

Paediatric healthcare and hospital worker SARS-CoV-2 IgG antibody: A longitudinal cohort study.

Postdischarge nausea and vomiting (PDNV) in children: A review and observational study.

Prevention of myopia shift and myopia onset using 0.01% atropine in premyopic children - a prospective, randomized, double-masked, and crossover trial.

Relationship between workplace bullying, spirituality, and job burnout in paediatric nurses: A cross-sectional study.

Residual or recurrent obstruction after septal myectomy in young children and infants with hypertrophic cardiomyopathy: cohort study.

The evidence base for surgical treatment of infants with necrotizing enterocolitis or spontaneous intestinal perforation: Impact of trial design and questions regarding implementation of trial recommendations.

Total versus conventional robotic-assisted cyst excisions and hepaticojejunostomies in children with choledochal cysts: a case-control study.

- Topic: [Absence seizures](#)
- Topic: [Assessment of acute headache in children](#)
- Topic: [Assessment of fever in children](#)
- Topic: [Assessment of infantile dystonia](#)
- Topic: [Glucose-6-phosphate dehydrogenase deficiency](#)
- Topic: [Growth hormone deficiency in children](#)
- Topic: [Juvenile idiopathic arthritis](#)
- Topic: [Medulloblastoma](#)
- Topic: [Muscular dystrophies](#)
- Topic: [Premature newborn care](#)
- Topic: [Scarlet fever](#)
- Topic: [Viral gastroenteritis in children](#)
- Topic: [Vitamin D deficiency](#)
-

Paediatrics in the News

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

[NHS to open new specialist clinics for obese children and young people](#)

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)



[Young people who have a long wait for a cancer diagnosis have reduced quality of life](#)



Athens is required for off-site access to UpToDate

[Chimeric antigen receptor \(CAR\) expressing T cells for relapsed or refractory neuroblastoma](#)

[Cranberry products for the prevention of urinary tract infection in children](#)

[Early return to school after concussion in children and adolescents](#)

[Intramuscular vaccines in people with hemophilia](#)

[More fully automated insulin delivery system for type 1 diabetes](#)

[Partially automated insulin delivery in newly diagnosed type 1 diabetes does not slow the decline in C-peptide production](#)

[Screening for anxiety in children and adults](#)

[The Eat, Sleep, Console approach for neonatal abstinence syndrome](#)

[Verapamil treatment in newly diagnosed type 1 diabetes](#)

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.

[Back to top](#)