

Paediatrics Evidence Update January 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.

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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
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:

[Disabled children and young people up to 25 with severe complex needs: integrated service delivery and organisation across health, social care and education \[NG213\]](#)

Other Guidance/Reports

No updates.



Systematic Reviews and Research Protocols

[Glucocorticoids for croup in children](#)

[Interventions for infantile esotropia](#)

[Medication review in hospitalised patients to reduce morbidity and mortality](#)

[Prognosis of adults and children following a first unprovoked seizure](#)

[Vitamin D as an adjunct to antibiotics for the treatment of acute childhood pneumonia](#)

Systematic reviews from other sources

A systematic review of point-of-care abdominal ultrasound scans performed by general surgeons in paediatric patients.

Association between asthma and oral conditions in children and adolescents: a systematic review with meta-analysis.

Bone mineral density in children and young adults with idiopathic scoliosis: a systematic review and meta-analysis.

Contactin-associated protein-like 2 antibody-associated autoimmune encephalitis in children: case reports and systematic review of literature.

Continuous versus Intermittent Enteral Feeding in Critically Ill Children: A Systematic Review.

Corticosteroids to prevent renal scarring in children with pyelonephritis: a systematic review and meta-analysis.

Could Celiac Disease and Overweight/Obesity Coexist in School-Aged Children and Adolescents? A Systematic Review.

Defining an Infant's Race and Ethnicity: A Systematic Review.

Development of myocarditis and pericarditis after COVID-19 vaccination in children and adolescents: A systematic review.

Dietary management of hypocitraturia in children with urolithiasis: results from a systematic review.

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

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

Effectiveness of COVID-19 vaccine in children and adolescents with the Omicron variant: A systematic review and meta-analysis.

Effectiveness of virtual reality intervention on reducing the pain, anxiety and fear of needle-related procedures in paediatric patients: A systematic review and meta-analysis.

Efficacy and safety of blinatumomab in children with relapsed/refractory B cell acute lymphoblastic leukemia: A systematic review and meta-analysis.

Efficacy and safety of ursodeoxycholic acid in children with cholestasis: A systematic review and meta-analysis.

Efficacy of hypertonic saline versus isotonic saline among children with cystic fibrosis: A systematic review and meta-analysis.

Endothelial Peripheral Arterial Tonometry (Endo-PAT 2000) use in paediatric patients: a systematic review.

Examining the Psychosocial Well-Being of Children and Adolescents With Coeliac Disease: A Systematic Review.

Growth and risk of adverse neuro-developmental outcome in infants with congenital heart disease: A systematic review.

Ibuprofen efficacy, tolerability and safety in obese children: a systematic review.

Imaging modalities for pulmonary tuberculosis in children: A systematic review.

Impact of asthma on heart rate variability in children and adolescents: systematic review and meta-analysis.

Incidence, predictors, and short-term outcomes of acute kidney injury in children with diabetic ketoacidosis: a systematic review.

Needle-free pharmacological sedation techniques in paediatric patients for imaging procedures: a systematic review and meta-analysis.

Neurological sequelae after encephalitis associated with herpes simplex virus in children: systematic review and meta-analysis.

Open reduction versus closed reduction in internal fixation of displaced femoral neck fracture in children: a systematic review and meta-analysis.

Point-of-care ultrasonography to predict fluid responsiveness in children: A systematic review and meta-analysis.

PORP vs. TORP in children: A systematic review and meta-analysis.

Quality of life in children and adolescents with alopecia areata-A systematic review.

Reference growth curves to identify weight status (underweight, overweight or obesity) in children and adolescents: systematic review.

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

Stereopsis following surgery in children with congenital and developmental cataracts: A systematic review and meta-analysis.

Surgical Treatments for Epilepsies in Children Aged 1-36 Months: A Systematic Review.

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

The impact of Antimicrobial Stewardship Programmes in paediatric emergency departments and primary care: a systematic review.

The incidence of paediatric ischaemic stroke: A systematic review and meta-analysis.

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



This month's clinical questions are...

Do preschool children diagnosed with autism spectrum disorder (ASD) continue to meet diagnostic criteria at follow-up?

For infants, what are the effects of skin care to prevent or reverse an impaired skin barrier on the development of eczema and food allergies?

Primary Research

A qualitative process evaluation within a clinical trial that used healthcare technologies for children with asthma-insights and implications.

A Randomized Controlled Trial of Norepinephrine Plus Dobutamine Versus Epinephrine As First-Line Vasoactive Agents in Children With Fluid Refractory Cold Septic Shock.

A Randomized Trial Assessing the Immunogenicity and Reactogenicity of Two Hexavalent Infant Vaccines Concomitantly Administered With Group B Meningococcal Vaccine.

A randomized trial comparing diet and delivery strategies for weight management in adolescents with intellectual disabilities.

Air Quality Index and Childhood Asthma: A Pilot Randomized Clinical Trial Intervention.

Comparing the effect of parental education via both lecture and film upon vaccination uptake for children under one year of age: A cluster randomized clinical trial.

Comparison of oral triclofos and intranasal midazolam and dexmedetomidine for sedation in children undergoing magnetic resonance imaging (MRI): an open-label, three-arm, randomized trial.

Evaluation of the Effectiveness of a Technology-Based Psychosocial Education and Counseling Program for Adolescent Survivors of Childhood Leukemia: A Randomized Controlled Trial.

Feasibility and acceptability of perioperative application of biofeedback-based virtual reality versus active control for pain and anxiety in children and adolescents undergoing surgery: protocol for a pilot randomised controlled trial.

Hypnosis as an alternative to general anaesthesia for paediatric superficial surgery: a randomised controlled trial.

Impact of a clinical decision support system on paediatric drug dose prescribing: a randomised within-subject simulation trial.

Is Fibersol-2 efficacious in reducing duration of watery diarrhea and stool output in children 1-3 years old? A randomized, parallel, double-blinded, placebo-controlled, two arm clinical trial.

Long-axis in-plane combined with short-axis out-of-plane technique in ultrasound-guided arterial catheterization in infants: A randomized controlled trial.

Pharmacokinetics of a microdosed cocktail of three direct oral anticoagulants in children with congenital heart defects: study protocol for a single-centre clinical trial (DOAC-Child).

Protocol for the Promoting Resilience in Stress Management (PRISM) intervention: A multi-site randomized controlled trial for adolescents with type 1 diabetes.

Randomised controlled trial of melatonin for paediatric functional abdominal pain disorders. The effect of drip versus intermittent feeding on splanchnic oxygenation in preterm infants with intrauterine growth restriction: a prospective randomized trial.

The first randomized controlled trial in pediatric nephrology: the history of the International Study of Kidney Disease in Children (ISKDC).

The Impact of Restrictive Transfusion Practices on Hemodynamically Stable Critically Ill Children Without Heart Disease: A Secondary Analysis of the Age of Blood in Children in the PICU Trial.

Two-center randomized controlled trial comparing oral chloral hydrate and intranasal combination of dexmedetomidine and ketamine for procedural sedation in children: study protocol.

BMJ Best Practice

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

Topic: [Acute pharyngitis](#)

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

Topic: [Atrial septal defects](#)

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

Topic: [Child abuse](#)

Topic: [Hereditary spherocytosis](#)

Topic: [Miliaria](#)

Topic: [Sepsis in children](#)

Topic: [Sickle cell anaemia](#)

Topic: [Tonsillitis](#)

Topic: [Tourette's 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

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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)



[Guidelines for virtual home assessment tools](#)



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[Cerebral palsy and maternal injury during pregnancy](#)

[Dupilumab for eosinophilic esophagitis](#)

[Novel oral type 2 poliovirus vaccine \(nOPV2\) in newborn infants](#)

[Pediatric early warning scores in hospitalized children](#)

[Sleeve gastrectomy versus gastric bypass for adolescents with severe obesity](#)

[Semaglutide for obesity in adolescents](#)

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