

Paediatrics Evidence Update August 2022

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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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

[Pediatric Endoscopy Quality Improvement Network \(PEnQuIN\) quality standards and indicators for pediatric endoscopy: an ASGE-endorsed guideline. \(PEnQuIN\)](#)



Systematic Reviews and Research Protocols

[Replacing salt with low-sodium salt substitutes \(LSSS\) for cardiovascular health in adults, children and pregnant women](#)

[Strategies for enhancing the implementation of school-based policies or practices targeting diet, physical activity, obesity, tobacco or alcohol use](#)

Systematic reviews from other sources

[A systematic review of clinical, epidemiological and demographic predictors of tuberculosis in children with pneumonia.](#)

[Are We Agreed? Self- Versus Proxy-Reporting of Paediatric Health-Related Quality of Life \(HRQoL\) Using Generic Preference-Based Measures: A Systematic Review and Meta-Analysis.](#)

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Association between sleep duration and early pubertal timing in children and adolescents: A systematic review and meta-analysis.

Bioelectrical Impedance Analysis (BIA)- Derived Phase Angle in Children and Adolescents: A Systematic Review.

Biologics for pediatric moderate-to-severe plaque psoriasis: a systematic review and network meta-analysis.

Chemotherapy-induced oral mucositis in children and adolescents: a systematic review.

Coagulation Abnormalities and Clinical Complications in Children With SARS-CoV-2: A Systematic Review of 48,322 Patients.

Comparative efficacy and safety between Micro-Percutaneous Nephrolithotomy (Micro-PCNL) and retrograde intrarenal surgery (RIRS) for the management of 10-20 mm kidney stones in children: A systematic review and meta-analysis.

Comparative efficacy and safety of glucose-lowering drugs in children and adolescents with type 2 diabetes: A systematic review and network meta-analysis.

Decontamination practices of paediatric crowns: a systematic review.

Diagnostic accuracy of point-of-care ultrasonography for intussusception in children: A systematic review and meta-analysis.

Diagnostic accuracy of transient elastography and two-dimensional shear wave elastography for staging liver fibrosis in children or adolescents: A systematic review and meta-analysis.

Diagnostic Stewardship-The Impact of Rapid Diagnostic Testing for Paediatric Respiratory Presentations in the Emergency Setting: A Systematic Review.

Diagnostic Tools in the Detection of Physical Child Abuse: A Systematic Review.

Effective healthcare communication with children and young people: a systematic review of barriers and facilitators.

Effects of vitamin D supplementation on glycemic control of children and adolescents with type 1 diabetes mellitus: a systematic review.

Evaluations of effective coverage of maternal and child health services: A systematic review.

Giftedness and Neurodevelopmental Disorders in Children and Adolescents: A Systematic Review.

Healthy and Sustainable Dietary Patterns in Children and Adolescents: A Systematic Review.

Immunologic response, Efficacy, and Safety of Vaccines against COVID-19 Infection in Healthy and immunosuppressed Children and Adolescents Aged 2 - 21 years old: A Systematic Review and Meta-analysis.

Levosimendan in paediatric cardiac anaesthesiology: A systematic review and meta-analysis.

Neurosarcoidosis in children: A systematic review and summary of cases, imaging and management.

Prevalence of respiratory viruses in community-acquired pneumonia in children: a systematic review and meta-analysis.

Quantitative sensory testing in paediatric patients with chronic pain: a systematic review and meta-analysis.

Relationship between Vancomycin Trough Serum Concentrations and Clinical Outcomes in Children: a Systematic Review and Meta-Analysis.

Risk Factors for Poor Outcome or Death in Young Children With Respiratory Syncytial Virus-Associated Acute Lower Respiratory Tract Infection: A Systematic Review and Meta-Analysis.
Sinogenic Intracranial Suppuration in Children: Systematic Review and Meta-analysis.

Systematic review and meta-analysis on the agreement of non-cycloplegic and cycloplegic refraction in children.

Systematic Review and Meta-analysis: Screening Tools for Attention-Deficit/Hyperactivity Disorder in Children and Adolescents.

Systematic Review of Lichen Planus Pigmentosus in Children.

Telerehabilitation for Children and Youth with Developmental Disabilities and Their Families: A Systematic Review.

The association between early-life gut microbiota and childhood respiratory diseases: a systematic review.

The Association between Obesity and Depression among Children and the Role of Family: A Systematic Review.

The global survival rate of graft and patient in kidney transplantation of children: a systematic review and meta-analysis.

Therapeutic Management of Idiosyncratic Drug-Induced Liver Injury and Acetaminophen Hepatotoxicity in the Paediatric Population: A Systematic Review.

Ultra-processed foods and obesity and adiposity parameters among children and adolescents: a systematic review.

Xpert MTB/RIF Assay for the Diagnosis of Lymph Node Tuberculosis in Children: A Systematic Review and Meta-Analysis.



This month's clinical questions are...

Does child protection training for professionals in contact with children help improve reporting of child abuse and neglect?

Primary Research

A 30-minute Spontaneous Breathing Trial (SBT) misses many children who go on to fail a 120-minute SBT.

Augmented reality in paediatric oncology patients undergoing surgery: a feasibility randomised controlled trial.

Clonidine Versus Midazolam Premedication and Postoperative Negative Behavioral Changes in Younger Children: A Randomized Controlled Trial.

Effect of Intranasal Dexmedetomidine or Midazolam for Premedication on the Occurrence of Respiratory Adverse Events in Children Undergoing Tonsillectomy and Adenoidectomy: A Randomized Clinical Trial.

Effectiveness and safety of lotion, cream, gel, and ointment emollients for childhood eczema: a pragmatic, randomised, phase 4, superiority trial.

Effects of Core Stabilization Exercises on Pulmonary Function, Respiratory Muscle Strength, Peripheral Muscle Strength, Functional Capacity, and Perceived Appearance in Children With Adolescent Idiopathic Scoliosis: A Randomized Controlled Trial.

Effects of Ramipril on Biomarkers of Endothelial Dysfunction and Inflammation in Hypertensive Children on Maintenance Hemodialysis: the SEARCH Randomized Placebo-Controlled Trial.

Efficacy and safety of lumasiran for infants and young children with primary hyperoxaluria type 1: 12-month analysis of the phase 3 ILLUMINATE-B 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 Prednisolone for Bell Palsy in Children: A Randomized, Double-Blind, Placebo-Controlled, Multicenter Trial.

Evaluation of the initial specimen diversion technique (ISDT) for reducing blood culture contamination in children: a prospective randomized controlled trial.

Inpatient Comparison of Coblation versus Electrocautery Tonsillectomy in Children: A Randomized, Controlled Trial.

Pathogen-Specific Effects of Probiotics in Children With Acute Gastroenteritis Seeking Emergency Care: A Randomized Trial.

PRE-scripted debriefing for Paediatric simulation Associated with Resuscitation Education (PREPARED): A multicentre, cluster randomised controlled trial.

Reducing Children's Preoperative Fear with an Educational Pop-up Book: A Randomized Controlled Trial.

Rosa damascena together with brown sugar mitigate functional constipation in children over 12 months old: A double-blind randomized controlled trial.

Rotational thromboelastometry-guided blood component use in cirrhotic children undergoing invasive procedures: Randomized controlled trial.

Safety and Glycemic Outcomes With a Tubeless Automated Insulin Delivery System in Very Young Children With Type 1 Diabetes: A Single-Arm Multicenter Clinical Trial.

Secondary Analyses of the Childhood Adenotonsillectomy Trial: A Narrative Review.

Single versus double hamstring tendon graft in anterior cruciate ligament reconstruction in the paediatric patient: a single-blind randomised controlled trial study protocol.

Skills or Pills: Randomized Trial Comparing Hypnotherapy to Medical Treatment in Children With Functional Nausea.

Sodium Butyrate Effectiveness in Children and Adolescents with Newly Diagnosed Inflammatory Bowel Diseases-Randomized Placebo-Controlled Multicenter Trial.

Study protocol for a parallel-group randomized controlled multi-center trial evaluating the additional effect of continuous ultrasound bladder monitoring in urotherapy for children with functional daytime urinary incontinence (SENS-U trial).

The 90% minimum effective volume and concentration of ropivacaine for ultrasound-guided median nerve block in children aged 1-3 years: A biased-coin design up-and-down sequential allocation trial.

The application of xylocaine 10% pump-spray to improve immediate post-adenotonsillectomy pain in children: A randomized controlled trial.

The Effects of Probiotics Supplementation on Clinical Status and Biomarkers of Oxidative Damage and Inflammation in Children with Brucellosis: A Randomized, Double-Blind, and Placebo-Controlled Trial.

The Safety and Efficacy of Fluoxetine for the Treatment of Refractory Primary Monosymptomatic Nocturnal Enuresis in Children: A Randomized Placebo-Controlled Trial.

Therapeutic effects elicited by the probiotic *Lactobacillus rhamnosus* GG in children with atopic dermatitis. The results of the ProPAD trial.

Tissue adhesive, adhesive tape, and sutures for skin closure of paediatric surgical wounds: prospective randomized clinical trial.

Unrelated cord blood transplantation in children, adolescents, and young adults with acute leukemia or myelodysplastic syndrome: a retrospective comparative study from the French Society for Bone Marrow Transplantation and Cellular Therapy (SFGM-TC) between Real-World Data and previously reported results of a Randomized Clinical Trial.

The logo for BMJ Best Practice, featuring the letters 'BMJ' in a bold, white, sans-serif font inside a dark blue square, followed by the words 'Best Practice' in a white, sans-serif font to the right.

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Topic: [Anorexia nervosa](#)

Topic: [Bulimia nervosa](#)

Topic: [Dubin-Johnson syndrome](#)

Topic: [Medulloblastoma](#)

Topic: [Spina bifida and neural tube defects](#)

Topic: [Zika virus infection](#)

Paediatrics in the News

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

[NHS trials smart goggles to give nurses more time with patients](#)

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**

No updates.



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[Frequency of transfusion reactions in children and adults](#)

[New guidance for pediatric advanced life support in patients with confirmed or suspected COVID-19](#)

[Sexual abuse of children in health care settings](#)

[Visual and vestibular assessments in children with concussion](#)

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