

Paediatrics Evidence Update November 2022

Produced by the Clinical Librarian Service

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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:

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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

[Click here to start search](#)
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 **UpToDate®**

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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
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NICE
National Institute for
Health and Care Excellence

Most recent guidance published:

No updates.

Other Guidance/Reports

[Guideline for the use of Anticonvulsant Medications when the Oral Route is Unavailable \[PIER Network\]](#)



Systematic Reviews and Research Protocols

[Masks versus prongs as interfaces for nasal continuous positive airway pressure in preterm infants](#)

[Pharmacological interventions for pain and sedation management in newborn infants undergoing therapeutic hypothermia](#)

[Skin care interventions in infants for preventing eczema and food allergy](#)

Systematic reviews from other sources

[A systematic review of breast milk microbiota composition and the evidence for transfer to and colonisation of the infant gut.](#)

[An investigation of cultural influences in survivors of paediatric cancer: a systematic review protocol.](#)

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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.

Assessment of Changes in Child and Adolescent Screen Time During the COVID-19 Pandemic: A Systematic Review and Meta-analysis.

Can child pneumonia in low-resource settings be treated without antibiotics? A systematic review & meta-analysis.

Core Outcome Sets in Child Health: A Systematic Review.

Diagnostic accuracy of blood tests of inflammation in paediatric appendicitis: 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.

Epileptiform discharges, electrographic seizures, and electroclinical seizures during paediatric sevoflurane anaesthesia: a systematic review and proposal for standard definitions.

Faecal Metabolomics in Paediatric Inflammatory Bowel Disease: A Systematic Review.

Guidelines for the Management of Atopic Dermatitis in Children: A Systematic Review.

Paediatric gonad shielding in pelvic radiography: A systematic review and meta-analysis.

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



This month's clinical questions are...

For children with cancer receiving doxorubicin, does dexrazoxane help prevent cardiotoxicity?

Primary Research

A pragmatic randomized controlled trial of rapid on-site influenza and respiratory syncytial virus PCR testing in paediatric and adult populations.

Assessment of aberrant DNA methylation two years after paediatric critical illness: a pre-planned secondary analysis of the international PEPaNIC trial.

Can BCG vaccination at first health-facility contact reduce early infant mortality? Study protocol for a cluster-randomised trial (CS-BCG).

Direct versus video laryngoscopy with standard blades for neonatal and infant tracheal intubation with supplemental oxygen: a multicentre, non-inferiority, randomised controlled trial.

Effect of a balanced colloid on acute kidney injury in paediatric cardiac surgery: A post hoc analysis of a randomised controlled trial.

Effect of Neonatal Azithromycin on All-Cause and Cause-Specific Infant Mortality: A Randomized Controlled Trial.

Effects of immersive virtual reality for managing anxiety, nausea and vomiting among paediatric cancer patients receiving their first chemotherapy: An exploratory randomised controlled trial.

Pharmacokinetics of hydroxychloroquine in paediatric lupus: data from a novel, direct-to-family clinical trial.

The use of two Comfort Young Child Formulas in the dietary management of toddlers with functional constipation: a randomized controlled trial.

BMJ Best Practice

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

Topic: Acute asthma exacerbation in children

Topic: Assessment of acute headache in children

Topic: Enuresis

Topic: Group B streptococcal infection

Topic: Obesity in children

Topic: Osteosarcoma

Topic: Respiratory syncytial virus infection

Topic: Slipped capital femoral epiphysis

Topic: Tetralogy of Fallot

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)



No updates.



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[COVID-19 and asthma control in children](#)

[DHA supplementation for very low birth weight infants](#)

[Gene therapy for early childhood cerebral adrenoleukodystrophy](#)

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[New NF-kB-mediated autoinflammatory disease \(ROSAH syndrome\)](#)

[Palivizumab for prevention of hospitalization during the 2022-2023 RSV season](#)

[Preoperative chemotherapy in bilateral Wilms tumor](#)

[Semaglutide for treatment of obesity in adolescents](#)

[Timing of cow's milk protein introduction in infants and risk of allergy](#)

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