

## Paediatrics Evidence Update June 2021

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](mailto: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**

[Click here to start search](#)  
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Or [via OpenAthens](#)

**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)

<a href="#">NICE Guidance</a>	<a href="#">Other Guidance</a>
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## Most recent guidance published:

No updates.

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## Other Guidance/Reports

No updates.

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Systematic Reviews and Research Protocols

[Continuous nasogastric milk feeding versus intermittent bolus milk feeding for preterm infants less than 1500 grams](#)

[Prophylactic drug management for febrile seizures in children](#)

[Screening tests for active pulmonary tuberculosis in children](#)

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## Systematic reviews from other sources

[Associations between maternal urinary iodine assessment, dietary iodine intakes and neurodevelopmental outcomes in the child: a systematic review.](#)

[The effectiveness of digital self-management interventions on health outcomes among childhood cancer survivors: A systematic review and meta-analysis.](#)

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Effectiveness of Virtual Reality Interventions for Adolescent Patients in Hospital Settings: Systematic Review.

Families' experiences of child and adolescent brain tumor: A systematic review and synthesis of qualitative research.

The impact of digital health interventions on the psychological outcomes of patients and families receiving paediatric palliative care: A systematic review and narrative synthesis.

Implications of DTI in mild traumatic brain injury for detecting neurological recovery and predicting long-term behavioural outcome in paediatric and young population-a systematic review.

Melatonin for anaesthetic indications in paediatric patients: a systematic review.

Neurocognitive impairment following proton therapy for paediatric brain tumour: a systematic review of post-therapy assessments.

Paediatric adhesive bowel obstruction: a systematic review.

Paediatric nursing clinical competences in primary healthcare: A systematic review.

Parental education and inequalities in child mortality: a global systematic review and meta-analysis.

Parental experiences of their infant's hospital admission undergoing cardiac surgery: A systematic review.

Parents' information needs, treatment concerns, and psychological well-being when their child is diagnosed with adolescent idiopathic scoliosis: A systematic review.

Non-pharmacological sleep interventions for pediatric cancer patients and survivors: a systematic review protocol.

The Physical Health of Caregivers of Children With Life-Limiting Conditions: A Systematic Review. Systematic review and meta-analysis of the association between paediatric obesity and telomere length.

Systematic review and meta-analysis: the incidence and prevalence of paediatric coeliac disease across Europe.

A systematic review of infant feeding food allergy prevention guidelines - can we AGREE?

'A systematic review of pre-operative CT angiography for microsurgical reconstruction in the paediatric population'.

Systematic review on the association between sleep-related hyperarousal and child maltreatment. Therapeutic management in paediatric alopecia areata: A systematic review.

Tiotropium in the management of paediatric and adolescent asthma: Systematic review.

Traumatic brain injury related paediatric mortality and morbidity in low- and middle-income countries: a systematic review.



This month's clinical questions are...

How do different interventions compare for treating wrist fracture in children?

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How does intrathecal injected nusinersen compare with sham procedure for infants with spinal muscular atrophy (SMA) type I?

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## Primary Research

**Title:** [Efficacy and safety of adalimumab in paediatric patients with moderate-to-severe ulcerative colitis \(ENVISION I\): a randomised, controlled, phase 3 study](#)

**Abstract/Conclusion:** Clinically meaningful rates of remission and response were reported in children who received adalimumab in this study. No new safety signals were observed, suggesting that adalimumab is an efficacious and safe treatment option for children with moderate-to-severe ulcerative colitis.

**Title:** [Implementing a specialist Paediatric Clinical Pharmacology Service in a UK Children's Hospital.](#)

**Abstract/Conclusion:** A UK model for sub-specialist paediatric clinical pharmacology service delivery has demonstrated a positive clinical impact and could be replicated at other UK secondary/tertiary children's hospitals.

**Title:** [Oral ondansetron for paediatric gastroenteritis in primary care: a randomised controlled trial](#)

**Abstract/Conclusion:** Ondansetron decreased vomiting and increased parental satisfaction in children with acute gastroenteritis. We were not able to show an increased ORT intake or decrease in referral rate.

**Title:** [Telemedicine experiences at a pediatric endocrinology clinic during the COVID-19 pandemic.](#)

**Abstract/Conclusion:** The advantages and disadvantages of telemedicine were discussed and consequently, we propose that telemedicine can be utilized to maintain and continue the care of children with endocrine disorders during and even after the pandemic. Further studies are needed to standardize this method for general use.

**Title:** [Validation of neonatal and paediatric antimicrobial stewardship treatment algorithms in rapid diagnostic-detected bacteraemia.](#)

**Abstract/Conclusion:** Algorithm-guided treatment may allow most patients to be de-escalated to organism-tailored therapy earlier in their therapeutic course.

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

**Topic:** [Common toxic plant ingestions](#)

**Topic:** [Generalised seizures in children](#)

**Topic:** [Rickets](#)

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## Paediatrics in the News

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

[Anne Longfield appointed by NHS to help transform care of children and young people with a learning disability and autism](#)

[Funding boost for young people's mental health services](#)

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[NHS sets up specialist young people's services in £100 million long COVID care expansion](#)

[NHS treats first patient with the 'world's most expensive drug'](#)

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## 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](#)

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## National Institute for Health Research (NIHR)



[Public involvement: long-term partnerships with children and young people can improve research design](#)

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[Clindamycin no longer a recommended option to prevent IE associated with dental work](#)

[Clinical findings in congenital afibrinogenemia](#)

[Episodic antibiotic therapy versus tympanostomy tubes for recurrent acute otitis media](#)

[Myocarditis after COVID-19 mRNA vaccination](#)

[Prevention of UTI in infants with myelomeningocele](#)

[Sequelae after hospital discharge for children with MIS-C](#)

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