



Paediatric & Child Health bulletin

July 2025

The aim of this current awareness bulletin is to provide a digest of recent articles in Paediatrics and Child Health

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Allergies

Pharmacokinetics and pharmacodynamics of neffy, epinephrine nasal spray in pediatric allergy patients

Fleischer D et al

Journal of Allergy and Clinical Immunology in Practice 13 (June) 1335-1341

Current practices and recommendations for children with food allergies and feeding behaviours: insights from a survey among Australian health professionals

Kefford J et al

Children 12 (2025) 905

Advancing paediatric allergy care: key findings from the largest trial of house dust mite sublingual immunotherapy-tablets in children

Schoos A et al

Lancet Regional Health 48 (2025) 101167

Breastfeeding

Access to donor human milk

Holder G

British Journal of Midwifery 33 (7) 366

Evaluating and predicting exclusive breastfeeding behaviour based on an energy vitality model during women's lactation: a longitudinal study

Gu Y et al

BMC Pregnancy and Childbirth 25 (2025) 768



Supporting breastmilk feeding for infants in foster care: a scoping review

Mitchell V et al

Maternal & Child Nutrition 21 (2025) e13810

Recent advancements and best practices in supporting newborn feeding: a narrative review

Hackman N et al

The Pediatric Clinics of North America 72 (2025) 581-595

Cardiology

Actionable areas of distress among pediatric cardiology fellows

This article aims to quantify burnout and identify specific stressors among a national sample of pediatric cardiology fellows.

Rajapuram N et al

Journal of Pediatrics 282 (2025) actionable areas

Local DRL estimation and effective dose calculation in paediatric intervention cardiology using measurements and Monte Carlo simulations

Teles, P et al

Physica Medica 135 (2025) 105023

An evaluation of the empirical vancomycin dosing guide in pediatric cardiology

Yousif Alakeel et al

BMC Pediatrics 24 (1) 575

Computerized diagnosis methods for pediatric cardiology: a review

Shantha Selvakumari et al

IEEE Access 13 (2025) 39192-39213

Dermatology

Provider perspectives on pediatric store-and-forward teledermatology at Boston Medical Center: cross-sectional survey

McDowell M et al

JMIR Dermatology 8 (2025) e67728

Rash decisions: improving paediatrician skills in dermatologic diagnosis

Gupta J et al

Journal of Pediatrics 278 (2025) rash decisions



Sirolimus in Pediatric Dermatology

Shreshthangsha Sayan Biswas et al
Indian Journal of Paediatric Dermatology 25 (3) 250-252

Genetic Diseases in Children

Application of rapid clinical exome sequencing technology in the diagnosis of critically ill pediatric patients with suspected genetic diseases

Xuejun Ouyang et al
Frontiers in Genetics 2025 application

Rapid whole-genome sequencing in critically ill infants and children with suspected, undiagnosed genetic diseases: evolution to a first-tier clinical laboratory test in the era of precision medicine

Kansal R
Children 12 (2025) 429

International Precision Child Health Partnership (IPCHiP): an initiative to accelerate discovery and improve outcomes in rare pediatric disease

Howell K et al
Genomic Medicine 10 (2025) 13

Infectious diseases

Clinical pharmacists' interventions about drug therapy problems and its acceptability by prescribers among pediatric hospitalized patients with infectious diseases in resource-limited settings

Moges E et al
BMC Infectious Diseases 25 (2025) 629

Editorial: Pediatric infectious diseases and global action plan on AMR

Zikria Saleem
Frontiers in Pediatrics 2025 pediatric infectious diseases

Utility of metagenomics next-generation sequencing for diagnosis of infectious diseases in critically ill immunocompromised pediatric patients

Xe X et al
Infection and Drug Resistance 17 (2024) 3579–3591



The interplay between nutrition and microbiota and the role of probiotics and symbiotics in pediatric infectious diseases

Slocker-Barrio M et al
Nutrients

Digital health technologies in pediatric infectious disease and the perspective of patients and healthcare professionals: a review

Alen Sam Saji et al
Health Science Reports 8 (2025) e70514

Miscellaneous

Management of tongue-tie: a retrospective cohort study of paediatric patients

O'Sullivan S et al
British Journal of Midwifery 33 (7) 376-381

Neurology

Wearable sensors in paediatric neurology

Gonzalez Barral et al
Developmental Medicine and Child Neurology 67 (2025) 834-853

Difficult conversations in fetal-neonatal neurology: national survey of educational experiences and needs of child neurology residents

Bach A et al
Pediatric Neurology 167 (2025) 103-109

Revolutionizing pediatric neurology care: telemedicine advancements and regulatory impact in the Northeast of Brazil

Rodrigues D et al
Arquivos de Neuro-Psiquiatria 83 (2) revolutionizing pediatric neurology care

Parental measurement and correlation of empathy among families attending pediatric neurology clinic

Bamaga S et al
Journal of Family Medicine and Primary Care 14 (3) 856-861

Nutrition

Nutrition in pregnancy and early years



Kathryn V Dalrymple et al
BMJ 389 (8466) nutrition in pregnancy

“We are not trained to do clinical work”: security staff providing physical restraint for NGT feeding in English paediatric wards – a qualitative, multi-informant study
Fuller S
BMJ Open 14 (12) e085955

Patient malnutrition risk or number of initial nutrition interventions categories can be used to develop registered dietitian nutritionist staffing models in the inpatient adult and pediatric hospital setting: a cohort study
Hand R et al
Journal of the Academy of Nutrition and Dietetics 125 (3) 348-365

From plate to palate: bridging nutrition and pediatric dental health
Swetha R et al
Journal of Oral Research and Review 17 (2025) 175-82

Pediatric resident nutrition education improves confidence and knowledge of infant formula management
Misner N et al
Journal of Nutrition Education and Behavior 57 (6) 530-536

Pain and Paediatrics

A new palliative and pain educational model for pediatric residents
Benini F et al
Italian Journal of Pediatrics 51 (2025) 130

Assessing the safety and adverse effects of paracetamol, ibuprofen and their combination in paediatric pain and fever management: a prospective observational study
Charde V et al
Journal of Family Medicine and Primary Care 14 (2025) 680-686

Adult and pediatric pain management for burn injuries: a global survey of burn care providers
Dewey M et al
Burns 51 (6) 107570



Current approaches to pain assessment and management in the paediatric emergency department

Tomasz Klosiewicz et al
Pediatria Polska 100 (1) 66-73

Preterm/Neonatal

Relationship between fetal inflammatory response syndrome and stages of acute placental inflammation stratified by the presence or absence of preterm premature rupture of membranes

Trumura K et al
Placenta 167 (2025) 64-70

Association of preterm birth and birth size status with neurodevelopmental and psychiatric disorders in spontaneous births

Kong L et al
European Child & Adolescent Psychiatry 34 (2025) 261-273

Skin to skin contact at birth for very preterm infants and symptoms of depression and anxiety in parent during the first year – a secondary outcome of a randomized clinical trial

Lillieskold S et al
Journal of Affective Disorders 383 (2025) 323-332

Professional/Education Issues

Electronic nursing documentation in paediatric palliative care: a scoping review

Beghe A et al
International Journal of Palliative Nursing 31 (6) 278-286

Respiratory

New generation of paediatricians in the health care system: are paediatric residents ready to manage children without supervision? A survey using respiratory infections as a model

Del Bene M et al
BMJ Open 15 (7) e097799

Data collection in pediatric outpatient settings during the SARS CoV-2 pandemic: motivators and barriers to establishing a research network of primary care providers



Lutten A et al
BMC Primary Care 26 (2025) 231

Emerging topics in pediatric respiratory allergies: a bibliometric and visualization study

Youwei B et al
The Egyptian Journal of Bronchology 19 (2025) 63

Zinc deficiency in the pediatric population and its impact on respiratory health: a review

Wong A et al
Pediatric Respiratory and Critical Care Medicine 9 (2025) 43-46

Sleep Disorders

Parental knowledge and beliefs about sleep health for children with overweight and obesity

Cheng H et al
Sleep Health 11 (3) 293-300

Rethinking pediatric “Periodic Limb Movement Disorder” (PLMD): a clinical review of pediatric PLMD and consensus criteria for an update pediatric diagnostic category “Sleep Leg Movement Disorder of Childhood”

Ferri R et al
Sleep Medicine 131 (2025) 106498

A novel CSNK1D variant in pediatric advanced sleep-wake phase syndrome

Advanced sleep-wake phase disorder (ASWPD) is a circadian rhythm disorder characterized by early sleep onset and wake times. Although rare in the pediatric population, genetic factors, particularly mutations in core clock genes, may play a key role in its pathogenesis

Pisano G et al
Sleep Medicine 131 (2025) 106524

Inter-rater reliability of video clips to assess obstructive sleep apnea in children

Pediatric obstructive sleep apnea (OSA) involves repeated breathing interruptions during sleep and is linked to neurocognitive impairment and cardiovascular issues. Early diagnosis is crucial, but the current gold-standard—overnight polysomnography—is expensive, complex, and scarce, causing long wait times. This underscores the need for a more efficient screening tool for pediatric OSA

Katz S et al
Sleep Medicine 131 (2025) 106483

Urology



The road from abstract to publication in pediatric urology

Spender K

Pediatric Urology 197 (2025) 159-164

“Safer than driving”: risk communication about surgery with racially diverse families in pediatric urology visits

Williamson F et al

Patient Education and Counseling 2025 online first safer than driving

A living scoping review and online repository of artificial intelligence models in pediatric urology: results from the AI-PEDURO collaborative

Khondker A et al

Journal of Pediatric Urology 21 (2025) 765-772