



# Paediatric & Child Health bulletin

## February 2026

**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

**Blood eosinophil percentage as a triage signal in pediatric allergic rhinitis: data-driven cut-offs from a public cohort**

Huang X et al

International Journal of Pediatric Otorhinolaryngology 200 (2026) 112677

**Italian evidence-based clinical recommendations on the appropriateness of prescriptions and diagnostic tests in pediatric allergology: focus on anaphylaxis, drug allergy and Hymenoptera venom allergy**

Fainardi V et al

Journal of Clinical Medicine 15 (2) 678

**Allergen extract outperforms molecular components in basophil activation test in a pediatric cohort**

Alexandre Chhing et al

Frontiers in Immunology 16 (2026) allergen extract

**Paediatric angioedema without wheals: spectrum and possible HAE at a Japanese allergy centre**

Umezawa K et al

Asia Pacific Allergy 2026 (Jan) paediatric angioedema

### Breastfeeding

**NICU nurses' knowledge, attitudes, practices and influencing factors regarding breastfeeding of newborns: a scoping review**



Hannel P et al  
International Breastfeeding Journal 21 (1) 1-13

**Prevalence of antenatally identified lactation risk factors and risk of not fully breastfeeding at 6 to 8 weeks postpartum**

Perella S et al  
Journal of Midwifery & Women's Health 71 (1) 17-25

**Maternal, depression, psychosocial stress and race/ethnicity; examining barriers to breastfeeding for young mothers**

Ehmer A et al  
Journal of Reproductive & Infant Psychology 44 (1) 102-114

**The interplay between emotional and breastfeeding difficulties in first-time mothers**

Garcia M et al  
Journal of Reproductive & Infant Psychology 44 (1) 115-128

**Cardiology**

**The natural history of prediabetes and cardiovascular disease in the pediatric population**

Accacha S et al  
Biomedicines 14 (1) 198

**The relationship between children's diet and risk factors for cardiovascular disease**

Butorac C et al  
Nutrients 18 (1) 166

**Identification of modifiable plasma protein markers of cardiometabolic risk in children and adolescents with obesity**

Stinson S et al  
Nature Communications 17 (1) 171

**Dermatology**

**Trends in pediatric representation within skin of color dermatology literature: a decade-long analysis**

Fagan E et al  
Pediatric Dermatology 43 (1) 95-97



**A review of pediatric dermatology ECHO programs: educational, diagnostic and implementation outcomes**

Purdom K et al

JAAD Reviews 2026 (Feb) a review

**Introducing the 'Pediatric Dermatology Corner'**

Vinvenzo Piccolo et al

Dermatology Practical & Conceptual 16 (1) 7914

**The role of phototherapy in pediatric dermatology**

Benavides E et al

Anais Brasileiros de Dermatologie 101 (1) 501252

**Genetic Diseases in Children**

**Host genetic variation and gut microbiome in pediatric diseases**

Men, Yi et al

Chinese Medical Journal

**Single vs dual genetic disease in children with congenital anomalies and solid tumors**

Watson D et al

Genetics in Medicine Open 4 (2026) single vs dual

**Referral route: a determinant of inequity for children with undiagnosed genetic diseases?**

Zeyu Tang et al

Frontiers in Genetics 17 (2026) referral route

**The fetal frontier: a review of current and emerging fetal therapies for genetic diseases**

Brown C et al

Seminars in Pediatric Surgery epub (2026) the fetal frontier

**Infectious diseases**

**In the shadow of Covid-19: changes in the seroprevalence of pediatric mycoplasma pneumoniae**

Geng H et al

BMC Infectious Diseases 26 (1) 211



**Recent advancements in pediatric purulent meningitis: diagnosis and treatment**

Yang L et al

Italian Journal of Pediatrics 52 (1) 22

**Ebola virus disease and pediatric mental health: long-term mediating effects of caregiver mental health**

Crea T et al

Journal of the American Academy of Child & Adolescent Psychiatry 65 (1) 56-65

**Population pharmacokinetic and pharmacodynamic prediction for tebipenem pivoxil treatment of pediatric shigellosis**

Zhang C et al

Clinical and Translational Science 19 (1) e70453

**Achromobacter spp.-related bloodstream infections: a review of the literature and a case series**

Bursal B et al

Comprehensive Medicine 18 (1) 7-11

**Neurology**

**Impacts of a novel pediatric neuropalliative medicine clinic: characterization of referrer feedback**

Lin G et al

Pediatric Neurology 174 (2026) 140-146

**Intellectual disability and borderline intellectual functioning: an updated pediatric neurology perspective**

Youngkyu S et al

Annals of Child Neurology 34 (1) 13-24

**Reducing early-life smoke exposure as a preventive strategy for pediatric multiple sclerosis: results from the PEDIGREE Study**

Silvy Pilotto et al

Neurology and Therapy 15 (2) 793-805

**Deep learning-based real-time seizure detection and multi-seizure classification on pediatric EEG**

Hyewon Jeong et al

Frontiers in Neurology 17 (2026) deep learning



## Nutrition

### **The role of nutrition in optimizing pediatric surgical outcomes in low- and middle-income countries**

Wunker C et al

Seminars in Pediatric Surgery epub (2026) the role of nutrition

### **Socioeconomic determinants and their impact of clinical outcomes in pediatric home parenteral nutrition**

Gritti C et al

Clinical Nutrition ESPEN 2026 (Feb) 102994

### **Nutrition Assistance Programs and pediatric weight outcomes: a systematic review**

Ferris D et al

Nutrients 18 (3) 394

### **Retrospective evaluation of central venous catheter use for parenteral nutrition in pediatric intestinal failure: infections and taurolidine role**

Vincentin de Souza J et al

Antibiotics 15 (2) 193

### **YouTube videos on nutrition and pediatric cancer: scientific reliability and quality**

Saniye S et al

Frontiers in Public Health 14 (2026) YouTube

### **Editorial: The role of nutrition in pediatric chronic diseases: a focus on metabolic, genetic and palliative care challenges**

Guida F et al

Frontiers in Nutrition 12 (2026) editorial

## Pain and Paediatrics

### **Prioritizing conditions resulting in chronic lower limb musculoskeletal pain in children and adults for development of clinical practice guidelines: an Australian Delphi study**

Davies L et al

BMC Pediatrics 26 (1) 185

### **Back on track: assessing back pain in children and young people**



Shehabi S et al  
Paediatrics and Child Health 36 (3) 76-80

**School attendance pre- and post-pandemic in adolescents with chronic pain**

Berry J et al  
Children 13 (1) school attendance

**Supporting parents of youth with chronic pain: a mixed methods evaluation of a supporting educational intervention**

Sweeney M et al  
Children 13 (1) supporting parents

**High impact chronic pain in children: exploration of associated characteristics and clinical factors in children and parents**

Ulla Caverius et al  
Frontiers in Pain Research 7 (2026) high impact

**Respiratory**

**The role of zinc in pediatric respiratory infections: evidence from clinical trials and real-world studies**

Dinardo G et al  
Nutrients 18 (4) 557

**Nutritional status as a predictor for length of stay of patients with respiratory ailments in the paediatric intensive care United Lincolnshire Hospitals NHS Trust**

Maheshwari S et al  
Nigerian Postgraduate Medical Journal 33 (2) 251

**Shifting patterns of pediatric respiratory viruses during the DARS-CoV-2 pandemic: a retrospective observational study**

Mehmet T et al  
BMC Infectious Diseases 26 (1) 1-8

**Impact of respiratory syncytial virus immunoprophylaxis on paediatric consultations: a time series study in Castilla-La Mancha, Spain (2022-2024)**

Herraez C et al  
Vaccine 74 (2026) impact

**Prone positioning in pediatric acute respiratory distress syndrome: a systematic review and meta-analysis of randomized controlled trials**



Khouloud A et al  
Frontiers in Pediatrics 13 (2026) prone positioning

## Sleep Disorders

### **Disparities in non-respiratory pediatric sleep disorders**

Okorie C et al  
Sleep Medicine Clinics 21 (1) 135-144

### **Sleep disorders in children managed in the pediatric palliative care unit of a tertiary hospital**

Monfort B et al  
Anales de Pediatria (English Edition) 104 (1) sleep disorders

### **Sleep disorder assessment in children and adolescents with neurodevelopmental disorders**

Camila dos Santos El Hala et al  
Jornal de Pediatria 102 (2026) 101441

### **The effects of discrimination on sleep, diagnosis of sleep disorders and treatment**

Babu V et al  
Sleep Medicine Clinics 21 (1) 33-39

## Urology

### **The 2025 update on artificial intelligence models in pediatric urology: results from the AI-PEDURO collaborative**

Khondker A et al  
Journal of Pediatric Urology 22 (1) 105646

### **Research hotspots and trends in robot-assisted surgery in pediatric urology: a bibliometric review based on CiteSpace visual analysis**

Jingyi He, Diyi Luo  
Frontiers in Pediatrics 14 (2026) research hotspots

### **Genomic testing in pediatric urology: implications for diagnosis and management**

Berezowska A et al  
Journal of Pediatric Urology 22 (2026) 106790