



Paediatric & Child Health bulletin

February 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

Effects of allergic diseases on social-emotional development in children at 12 months of age: a prospective study

Hu, Shouxum et al

Journal of Affective Disorders 374 (April) 171-178

Epithelial immunotherapy for food allergy in children: a systematic review and meta-analysis

Chen B et al

Frontiers in Immunology 2025 epithelial immunotherapy

Testing for specific IgE to food allergen mixes – a rash decision

Chua M et al

Journal of Paediatrics and Child Health 61 (1) 118-119

Fecal calprotectin determination in a cohort of children with cow's milk allergy

Anania C et al

Nutrients 17 (1) 194

Breastfeeding

'Just one more feed': the impact of traumatic birth on breastfeeding

Norman A et al

British Journal of Midwifery 33 (2) 84-91

Association between exclusive breastfeeding and the incidence of childhood nephrotic syndrome



Park P et al
Journal of Pediatrics 276 (Jan) 114266

The relationship of early expressed milk quantity and later full breastmilk feeding after very preterm birth: a cohort study

Levene L et al
Maternal & Child Nutrition 21 (1) 1-12

'There's a little bit of tension there': perspectives of mothers and early childhood educators on breast-feeding in child care centers

Demirci J et al
Public Health Nutrition 28 (2025) breastfeeding

Cardiology

Clinical impact of genetic testing in a large cohort of pediatric cardiomyopathies

Ader F et al
International Journal of Cardiology 419 (Jan) 132729

Cardiometabolic risk in pediatric patients with intellectual and developmental disabilities

Nolan M et al
American Journal of Preventive Medicine 68 (3) 429-436

Cardiovascular causes of pediatric chest pain: case-based review

Shrestha B et al
Progress in Pediatric Cardiology 77 (2025) 101805

Pediatric palliative care in patients with cardiovascular disease: the basics of why, when, where, who and how

Merritt B et al
Progress in Pediatric Cardiology 77 (2025) 101810

Dermatology

Real-world outcomes of systematic treatments for moderate-to-severe atopic dermatitis in children aged less than 12 years: 2-year results from PEDiatric Study in Atopic Dermatitis



Paller A et al
Journal of the American Academy of Dermatology 92 (2) 242-251

Dupilumab reduces inflammatory biomarkers in pediatric patients with moderate-to-severe atopic dermatitis

Beck L et al
Journal of Allergy and Clinical Immunology 155 (1) 135-143

Dermoscopic features of diaper dermatoses in children: a descriptive pilot study

Dhawan N et al
Indian Dermatology 16 (1) 87-93

WhatsApp and atopic dermatitis: a clinical trial

Thais Braga Cerqueira et al
Journal de Pediatria 101 (1) 67-73

Drugs, Alcohol or Substance Abuse in Pregnancy

Exploring safeguarding midwives' experiences of caring for pregnant women with substance abuse

Moore E
British Journal of Midwifery 33 (2) 66-75

Establishing a model of peer support for pregnant persons with a substance use disorder as an innovative approach for engaging participants in the health brain and child development study

Hilliard F et al
Developmental Cognitive Neuroscience 71 (2025) 101495

Preventable maternal mortality: diagnosis and management of mental health and substance use disorders

Hoskins I et al
Obstetrics and Gynecology Clinics of North America 52 (1) 33-41

Genetic Diseases in Children

Genetic counselling in the era of next generation sequencing

Espada-Musitu D et al
Anales de Pediatria 102 (1) 503712



Lived experience of patients and caregivers in rare genetic neurological gene therapy clinical trials in children

Bateman-House A et al
Pediatric Neurology 163 (Feb) 46-49

Molecular genetic diagnosis and surgical management in a cohort of children with 46.XY disorders/differences of sex development

Yuenshan S et al
Frontiers in Pediatrics 13 (2025) molecular genetic diagnosis

Infectious diseases

Managing fever in children under 5

Duncan D, Mullins L
Journal of Family & Child Health 2 (1) 14-18

A guide to scarlet fever

Noakes A
Journal of Family & Child Health 2 (1) 12-13

Respiratory syncytial virus infection

Piedimonte G et al
[BMJ Best Practice](#) (Click on the link to access this item)

The association of Helicobacter pylori infection with the risk of anemia in children: systematic review and meta-analysis

Walle M et al
BMC Infectious Diseases 25 (1) helicobacter pylori infection

Acute respiratory tract infections during the first 6 years of life – results from the German birth cohort study LoewenKIDS

Klee N et al
International Journal of Infectious Diseases 153 (Jan) 107802

Neurology

Mitochondrial disorder diagnosis and management – what the pediatric neurologist wants to know

Heath O et al
European Journal of Paediatric Neurology 54 (Jan) 75-88



Marfan Syndrome

Child A

[BMJ Best Practice](#) (Click on the link to access)

Combined biochemical profiling and DNA sequencing in the expanded newborn screening for inherited metabolic diseases: the experience in an Italian reference center

Fecarotta S et al

Orphanet Journal of Rare Diseases 20 (1) 1-10

Advancing insights into pediatric macular diseases: a comprehensive review

Ambrosio L et al

Journal of Clinical Medicine 14 (2) 614

Enhancing diagnostic outcomes in kidney genetic disorders: the KidGen national kidney genomics study protocol

Mallawaarachchi A et al

BMC Neurology 26 (1) 1-11

Nutrition

Initiatives to address childhood obesity

Moffat P, Voogd C

Journal of Family and Child Health 1 (4) 161

Evaluating the effectiveness of a parent programme focusing on parental feeding styles as part of a childhood obesity intervention

Thomas M et al

Journal of Family and Child Health 1 (4) 186-195

Racial and ethnic disparities in pediatric counseling on nutrition, lifestyle and weight: a secondary analysis of the BP_CATCH Randomized Clinical Trial

Moonseong H et al

JAMA Network Open online first mental health disparities

New National Childhood Measurement Programme data shows continued higher obesity prevalence in deprived areas

Journal of Family and Child Health 1 (3) 148-150



Pediatric feeding tubes: what the Staff Nurse should know

Peters S, Lyman B

Pediatric Nursing 50 (6) 284-292

Infant feeding for women with an eating disorder: an interpretative phenomenological analysis

Leeming D et al

Maternal & Child Nutrition 21 (1) infant feeding

Pain and Paediatrics

The efficacy of wound catheter infusion with local anesthetics for the treatment of postoperative pain in children: a systematic review

Swenker D et al

Paediatric and Neonatal Pain 6 (4) 99-110

Use of dexmedetomidine during mechanical ventilation in extremely preterm and extremely low birth weight neonates receiving morphine: a single-centre retrospective study

Irving C et al

Paediatric and Neonatal Pain 6 (4) 194-202

A randomized controlled trial comparing immersive virtual reality games versus nitrous oxide for pain reduction in common outpatient procedures in pediatric surgery

Cordula S et al

Trials 26 (1) 1-12

Preterm/Neonatal

Preterm birth: 'further action is needed'

Allkins S

British Journal of Midwifery 33 (2) 65

Noninvasive respiratory support or intubation during stabilization after birth and neonatal and neurodevelopmental outcomes in infants born preterm at 23-25 weeks of gestation

Lipp et al

Journal of Pediatrics 276 (Jan) 114270



Response to inhaled nitric oxide and mortality among very preterm neonates with pulmonary hypertension

Baczynski M et al

JAMA Network Open online first inhaled nitric oxide

Professional/Education Issues

How to survive your first neonatal job

Aggarwal N et al

Paediatrics and Child Health 35 (2) 68-70

Respiratory

Contextual factors influencing bubble continuous positive airway pressure implementation for paediatric respiratory distress in low-income and middle-income countries: a realist review

Ijaz N et al

Lancet Global Health 13 (2) e232-e245

Proteomic profiling of the local and systemic immune response to pediatric respiratory viral infections

Lydon E et al

mSystems 10 (1) proteomic profiling

Lower airway diseases in the paediatric population: a two-year, single-centre, retrospective study

Ferrero A et al

Journal of Clinical Medicine 14 (2) 384-394

Clinical predictors for surfactant retreatment in preterm infants with respiratory distress syndrome: the results of a pooled analysis

Carlo Dani et al

Italian Journal of Pediatrics 51 (1) 1-8

Advancements related to probiotics for preventing and treating recurrent respiratory tract infections in children

Yali Zhang et al

Frontiers in Pediatrics 13 (2025) probiotics

Sleep Disorders



Interfamilial associations of sleep multitrajectory groups between ages of 3 and 60 months in the SEPAGES cohort

Mihyeon Kim et al

Sleep Health 10 (6) 738-748

Behavioral insomnia in young children: integrating behavioral and cognitive approaches for a comprehensive treatment strategy

Lecuelle F et al

Sleep Medicine 127 (Mar) 89-90

The future of paediatric obstructive sleep apnoea assessment: Integrating artificial intelligence, biomarkers and more

Ohn M et al

Paediatric Respiratory Reviews online first obstructive sleep apnoea

Understanding parental choices related to infant sleep practices in the United States using a mixed methods approach

Hannah Sahud et al

BMC Pediatrics 25 (1) 9

Urology

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 online first 2025 a living scoping review

Editorial: Insights in pediatric urology: 2022

Marco Castagnetti et al

Frontiers in Pediatrics 13 (2025) pediatric urology

The influence of positive and negative intraoperative feedback in laparoscopic simulation in pediatric urology training

Martz N et al

Journal of Pediatric Urology 2025 (Jan) pediatric urology training

A potpourri of pediatric urology

Kieran K

Journal of Pediatric Urology 21 (1) 204-205