Children’s Health Evidence Update
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1. NICE Guidance

1) Urinary tract infection in infants, children and young people under 16

2. New and Updated Cochrane Systematic Reviews

2) Psychoanalytic/psychodynamic psychotherapy for children and adolescents who have been sexually abused

Authors’ conclusions: There are no randomised and quasi-randomised trials that compare psychoanalytic/psychodynamic therapy with treatment as usual, no treatment or waiting list control for children and adolescents who have been sexually abused. As a result, we cannot draw any conclusions as to the effectiveness of psychoanalytic/psychodynamic psychotherapy for this population. This important gap emphasises the need for further research into the effectiveness of psychoanalytic/psychodynamic psychotherapy in this population. Such research should ideally be in the form of methodologically high-quality, large-scale randomised controlled trials. If these are not conducted, future systematic reviews on this subject may need to consider including other lower quality evidence in order to avoid overlooking important research.

3) Gastrostomy feeding versus oral feeding alone for children with cerebral palsy

Authors’ conclusions: Considerable uncertainty about the effects of gastrostomy for children with cerebral palsy remains. A well designed and conducted randomised controlled trial should be
undertaken to resolve the current uncertainties about medical management for children with cerebral palsy and physical difficulties in eating.

4) **Nebulised hypertonic saline solution for acute bronchiolitis in infants**

**Authors’ conclusions:** Current evidence suggests nebulised 3% saline may significantly reduce the length of hospital stay among infants hospitalised with non-severe acute viral bronchiolitis and improve the clinical severity score in both outpatient and inpatient populations.

5) **Simple behavioural interventions for nocturnal enuresis in children**

**Authors’ conclusions:** Simple behavioural methods may be superior to no active treatment but appear to be inferior to enuresis alarm therapy and some drug therapy (such as imipramine and amitriptyline). Simple behavioural therapies could be tried as first line treatment before considering enuresis alarm therapy or drug therapy, which may be more demanding and have adverse effects, although evidence supporting their efficacy is lacking.

3. Practice changing research, sourced from Dylamed

6) **Practice changing updates in Pediatrics August 2013**

4. Good Quality Systematic Reviews

7) **Effect of folate supplementation on folate status and health outcomes in infants, children and adolescents: a systematic review**

8) **Oral versus intravenous antibiotics in treatment of paediatric febrile neutropenia**

9) **Neurocognitive consequences of a paediatric brain tumour and its treatment: A meta-analysis**

10) **Fecal calprotectin in pediatric inflammatory bowel disease: a systematic review**

11) **Screening for hypertension in children and adolescents to prevent cardiovascular disease**

12) **Weight gain and other metabolic adverse effects associated with atypical antipsychotic treatment of children and adolescents: a systematic review and meta-analysis**

13) **The efficacy of nonsurgical interventions for pediatric flexible flat foot: a critical review**

14) **Prevalence of renal dysfunction in tacrolimus-treated pediatric transplant recipients: a systematic review**

15) **Pediatric advance care planning: a systematic review**

16) **Long-acting versus short-acting methylphenidate for paediatric ADHD: a systematic review and meta-analysis of comparative efficacy**
17) **Elastic intramedullary nailing in unstable fractures of the paediatric tibial diaphysis: a systematic review**

18) **Effect of iron intervention on growth during gestation, infancy, childhood, and adolescence: a systematic review with meta-analysis**

19) **Role of probiotics in short bowel syndrome in infants and children — a systematic review**

20) **Predictive value of the Bayley Scales of Infant Development on development of very preterm/very low birth weight children: a meta-analysis**

21) **Pediatric sublingual immunotherapy efficacy: evidence analysis, 2009-2012**

22) **Effects of education of paediatric patients undergoing elective surgical procedures on their anxiety: a systematic review**

23) **Systemic antifungals to treat onychomycosis in children: a systematic review**

24) **Diagnostic accuracy of tests in pediatric gastroesophageal reflux disease**

25) **Meta-analysis of probiotics preventing allergic diseases in infants**

26) **Interventions in pediatric chronic fatigue syndrome/myalgic encephalomyelitis: a systematic review**

27) **Evidence for outcomes of motivational rehabilitation interventions for children and adolescents with cerebral palsy: an American Academy for Cerebral Palsy and Developmental Medicine systematic review**

28) **Systematic review: MRI enterography for assessment of small bowel involvement in paediatric Crohn's disease**

29) **Pharmacologic treatment of pediatric headaches: a meta-analysis**

30) **Intravenous lipid emulsion to reverse acute drug toxicity in pediatric patients**

31) **Nonpharmacologic pediatric pain management in emergency departments: a systematic review of the literature**

32) **Does the use of antipyretics in children who have acute infections prolong febrile illness? A systematic review and meta-analysis**

33) **Text message interventions for children and adolescents with type 1 diabetes: a systematic review**

34) **Both bone forearm fractures in children and adolescents, which fixation strategy is superior - plates or nails? A systematic review and meta-analysis of observational studies**

35) **Lactobacillus rhamnosus GG supplementation for preventing respiratory infections in children: a meta-analysis of randomized, placebo-controlled trials**

36) **Blood glucose monitoring in children and adolescents with type 1 diabetes mellitus**
37) Cognitive behavioural therapy age effects in child and adolescent anxiety: an individual patient data metaanalysis

38) Bariatric surgery for obese children and adolescents: a systematic review and meta-analysis

39) Preventive physiotherapy interventions for back care in children and adolescents: a meta-analysis

40) Opioid-sparing effects of perioperative paracetamol and nonsteroidal anti-inflammatory drugs (NSAIDs) in children

41) Efficacy and adverse effects of venlafaxine in children and adolescents with ADHD: a systematic review of non-controlled and controlled trials

42) An updated systematic review and meta-analysis of the predictive value of serum biomarkers in the assessment of fever during neutropenia in children with cancer

43) "Effectiveness of interventions in reducing pain and maintaining physical activity in children and adolescents with calcaneal apophysitis (Sever’s disease): a systematic review"

44) The effectiveness of booster sessions in CBT treatment for child and adolescent mood and anxiety disorders

45) Pediatric palliative care in Canada and the United States: a qualitative metasummary of the needs of patients and families

46) Non-surgical prevention and management of scoliosis for children with Duchenne muscular dystrophy: what is the evidence?

47) Methylenetetrahydrofolate reductase C677T and overall survival in pediatric acute lymphoblastic leukemia: a systematic review

48) Effect of zinc intake on serum/plasma zinc status in infants: a meta-analysis

49) The role of antibiotics in the treatment of acute rhinosinusitis in children: a systematic review

50) Effect of nutrient supplementation on atopic dermatitis in children: a systematic review of probiotics, prebiotics, formula, and fatty acids

51) Effectiveness of the association of dexamethasone with antibiotic therapy in pediatric patients with bacterial meningitis

52) The diagnostic accuracy of fecal calprotectin during the investigation of suspected pediatric inflammatory bowel disease: a systematic review and meta-analysis

53) A systematic review and meta-analysis of caudal blockade versus alternative analgesic strategies for pediatric inguinal hernia repair

54) Systematic review of clinical research on biomarkers for pediatric traumatic brain injury

55) The impact of multi-disciplinary intestinal rehabilitation programs on the outcome of pediatric patients with intestinal failure: a systematic review and meta-analysis
56) Primary dilatation as a treatment for pediatric laryngotracheal stenosis: a systematic review

57) Treatment of hemorrhagic dengue in the pediatric population: a systematic review

58) Low-dose heparin use and the patency of peripheral IV catheters in children: a systematic review

59) Interventions for preschool children at high risk for ADHD: a comparative effectiveness review

60) A control model to evaluate pharmacotherapy for allergic rhinitis in children

61) Clonidine for the sedation of critically ill children: a systematic review

62) Cerebral blood flow abnormalities in children with sickle cell disease: a systematic review

63) A comparative effectiveness review of parenting and trauma-focused interventions for children exposed to maltreatment

64) Health information technology in screening and treatment of child obesity: a systematic review

65) Barriers to, and facilitators of, parenting programmes for childhood behaviour problems: a qualitative synthesis of studies of parents' and professionals' perceptions

66) A systematic review of tests to predict cerebral palsy in young children

67) What role does laparoscopy play in the diagnosis and immediate treatment of infants with necrotizing enterocolitis?

68) The effectiveness of self-care support interventions for children and young people with long-term conditions: a systematic review

69) Efficacy of botulinum toxin A in children with cerebral palsy in Gross Motor Function Classification System levels IV and V: a systematic review

70) Effectiveness of seasonal influenza vaccines in children - a systematic review and meta-analysis

71) Astragalus in the prevention of upper respiratory tract infection in children with nephrotic syndrome: evidence-based clinical practice

72) Propranolol versus corticosteroids in the treatment of infantile hemangioma: a systematic review and meta-analysis

73) Infantile asymmetry: evidence of conservative treatment methods - what benefits do cranial orthoses have?

74) A systematic review on the outcome of mandibular distraction osteogenesis in infants suffering Robin sequence

75) Selective prevention programs for children from substance-affected families: a comprehensive systematic review
76) Electronic media-based health interventions promoting behavior change in youth: a systematic review

77) Autonomic neuropathy in young people with type 1 diabetes: a systematic review

78) Gut-directed hypnotherapy for functional abdominal pain or irritable bowel syndrome in children: a systematic review

79) Efficacy of interventions to improve motor performance in children with developmental coordination disorder: a combined systematic review and meta-analysis

80) The effectiveness of prophylactic ankle braces in reducing the incidence of acute ankle injuries in adolescent athletes: a critically appraised topic

81) Intravenous and nebulized magnesium sulfate for treating acute asthma in adults and children: a systematic review and meta-analysis

82) Streptococcal pharyngitis in children: a meta-analysis of clinical decision rules and their clinical variables

83) Ultrasonographically guided peripheral intravenous cannulation of children and adults: a systematic review and meta-analysis

84) Validity and reliability of radiological methods to assess proximal hip geometry in children with cerebral palsy: a systematic review

85) Lesbian, gay, bisexual, and transgender parents seeking health care for their children: a systematic review of the literature

86) Comparison of inhaled corticosteroids and leukotriene receptor antagonists in adolescents and adults with mild to moderate asthma: a meta-analysis


88) Child exposure to trauma: comparative effectiveness of interventions addressing maltreatment

89) Technical devices in children with motor disabilities: a review

90) Systematic review on heparin-induced thrombocytopenia in children: a call to action

91) Studies comparing the efficacy of constraint-induced movement therapy and bimanual training in children with unilateral cerebral palsy: a systematic review

92) SBIRT for adolescent drug and alcohol use: current status and future directions

5. NHS Behind the Headlines

93) Autism and ADHD associated with video game 'addiction'
94) Set bedtimes may be good for kids' development
95) IVF poses minimal risk of autism and low IQ
96) Can antibiotics cause eczema in children?
97) Claims angry Lego faces could upset children
98) Childhood obesity-related hospital visits quadruple

6. Latest Journal Table of Contents
If you would like full text of any of the articles listed in the below journals then please contact us to request a copy. This is a free service but you will need to complete our Article Request Form. Or you may email us directly quoting the number(s) of the articles you would like.

99) Annals of Pediatric Cardiology
100) Archives of Disease in Childhood
101) Child: Care, Health and Development
102) Clinical Pediatrics
103) European Journal of Pediatrics
104) Journal for Specialists in Pediatric Nursing
105) Journal of Pediatric Healthcare
106) Journal of Pediatric Nursing
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108) Journal of Pediatrics
109) Pediatric Anaesthesia
110) Pediatrics

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