

123 Vomiting, Diarrhea, and Dehydration in Children

REFERENCES

1. Black RE, Morris SS, Bryce J: Where and why are 10 million children dying every year? *Lancet* 361: 2226, 2003.
2. National Collaborating Centre for Women's and Children's Health: *Diarrhoea and Vomiting Caused by Gastroenteritis: Diagnosis, Assessment and Management in Children Younger Than 5 Years*. London: National Institute for Health and Clinical Excellence; April 2009.
3. Malek MA, Curns AT, Holman RC, et al: Diarrhea- and rotavirus-associated hospitalizations among children less than 5 years of age: United States, 1997 and 2000. *Pediatrics* 117: 1887, 2006.
4. Glass RI, Lew JF, Gangarosa RE, et al: Estimates of morbidity and mortality rates for diarrheal diseases in American children. *J Pediatr* 118: S27, 1991.
5. Klein EJ, Boster DR, Stapp JR, et al: Diarrhea etiology in a Children's Hospital Emergency Department: a prospective cohort study. *Clin Infect Dis* 43: 807, 2006.
6. Duggan C, Nurko S: "Feeding the gut": the scientific basis for continued enteral nutrition during acute diarrhea. *J Pediatr* 131: 801, 1997.
7. Sadow KB, Atabaki SM, Johns CM, et al: Bilious emesis in the pediatric emergency department: etiology and outcome. *Clin Pediatr (Phila)* 41: 475, 2002.
8. Godbole P, Stringer MD: Bilious vomiting in the newborn: how often is it pathologic? *J Pediatr Surg* 37: 909, 2002.
9. Porter SC, Fleisher GR, Kohane IS, Mandl KD: The value of parental report for diagnosis and management of dehydration in the ED. *Ann Emerg Med* 41: 196, 2003.
10. Steiner MJ, DeWalt DA, Byerley JS: Is this child dehydrated? *JAMA* 291: 2746, 2004.
11. Gorelick MH, Shaw KN, Murphy KO: Validity and reliability of clinical signs in the diagnosis of dehydration in children. *Pediatrics* 99: E6, 1997.
12. Friedman JN, Goldman RD, Srivastava R, Parkin PC: Development of a clinical dehydration scale for use in children between 1 and 36 months of age. *J Pediatr* 145: 201, 2004.
13. Goldman RD, Friedman JN, Parkin PC: Validation of the clinical dehydration scale for children with acute gastroenteritis. *Pediatrics* 122: 545, 2008.
14. Liu LJ, Yang YJ, Kuo PH, et al: Diagnostic value of bacterial stool cultures and viral antigen tests based on clinical manifestations of acute gastroenteritis in pediatric patients. *Eur J Clin Microbiol Infect Dis* 24: 559, 2005.
15. Gill CJ, Lau J, Gorbach SL, Hamer DH: Diagnostic accuracy of stool assays for inflammatory bacterial gastroenteritis in developed and resource-poor countries. *Clin Infect Dis* 37: 365, 2003.
16. Meropol SB, Luberti AA, DeJong AR: Yield from stool testing of pediatric inpatients. *Arch Pediatr Adolesc Med* 151: 142, 1997.
17. Borgnolo G, Barbone F, Guidobaldi G, Olivo G: C-reactive protein in viral and bacterial gastroenteritis in childhood. *Acta Paediatr* 85: 670, 1996.
18. King CK, Glass R, Bresee JS, Duggan C: Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy. *MMWR Recomm Rep* 52: 1 2003.
19. Yilmaz K, Karaboglu M, Citak A, Uzel N: Evaluation of laboratory tests in dehydrated children with acute gastroenteritis. *J Paediatr Child Health* 38: 226, 2002.
20. Steiner MJ, Nager AL, Wang VJ: Urine specific gravity and other urinary indices: inaccurate tests for dehydration. *Pediatr Emerg Care* 23: 298, 2007.
21. Wathan JE, Mackenzie T, Bothner JP: Usefulness of the serum electrolyte panel in the management of pediatric dehydration treated with intravenously administered fluids. *Pediatrics* 114: 1227, 2004.
22. Reid SR, Losek JD: Hypoglycemia complicating dehydration in children with acute gastroenteritis. *J Emerg Med* 29: 141, 2005.
23. Lilien LD, Srinivasan G, Pyati SP, et al: Green vomiting in the first 72 hours in normal infants. *Am J Dis Child* 140: 662, 1986.
24. Rothrock SG, Green SM, Hummel CB: Plain abdominal radiography in the detection of major disease in children: a prospective analysis. *Ann Emerg Med* 21: 1423, 1992.
25. Bahl R, Bhandari N, Saksena M, et al: Efficacy of zinc-fortified oral rehydration solution in 6- to 35-month-old children with acute diarrhea. *J Pediatr* 141: 677, 2002.
26. Hartling L, Bellemare S, Wiebe N, et al: Oral versus intravenous rehydration for treating dehydration due to gastroenteritis in children. *Cochrane Database Syst Rev* 3: CD004390, 2006.
27. Nager AL, Wang VJ: Comparison of nasogastric and intravenous methods of rehydration in pediatric patients with acute dehydration. *Pediatrics* 109: 566, 2002.
28. DeCamp LR, Byerley JS, Doshi N, Steiner MJ: Use of antiemetic agents in acute gastroenteritis: a systematic review and meta-analysis. *Arch Pediatr Adol Med* 162: 858, 2008.
29. Freedman SB: Acute infectious pediatric gastroenteritis: beyond oral rehydration therapy. *Expert Opin Pharmacother* 8: 1651, 2007.
30. Pickering LK, Feldman S, Ericsson CD, Cleary TG: Absorption of salicylate and bismuth from a bismuth subsalicylate containing compound (Pepto-Bismol). *J Pediatr* 99: 654, 1981.
31. Kaopectate Reformulation Causes Confusion. FDA Patient Safety News: Show #32, October 2004. Available at <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/psn/printer.cfm?id=265>.
32. Szajewska H, Skorka A, Dylag M: Meta-analysis: saccharomyces boulardii for treating acute diarrhea in children. *Aliment Pharmacol Ther* 25: 257, 2007.
33. Szajewska H, Skorka A, Ruszczynski M, Gierszczak-Bialek D: Meta-analysis: lactobacillus GG for treating acute diarrhea in children. *Aliment Pharmacol Ther* 25: 871, 2007.
34. Boran P, Tokuc G, Vagas E, et al: Impact of zinc supplementation in children with acute diarrhea in Turkey. *Arch Dis Child* 91: 296, 2006.
35. WHO/UNICEF Joint Statement: Clinical Management of Acute Diarrhoea. New York, NY, and Geneva, Switzerland: The United Nations Children's Fund/WHO, 2004.
36. Sirinavin S, Garner P: Antibiotics for treating salmonella gut infections. *Cochrane Database Syst Rev* 2: CD001167, 2000.
37. Ternhag A, Asikainen T, Giesecke J, Ek Dahl K: A meta-analysis on the effects of antibiotic treatment on duration of symptoms caused by infection with *Campylobacter* species. *Clin Infect Dis* 44: 696, 2007.
38. Safdar N, Said A, Gangnon RE, Maki D: Risk of hemolytic uremic syndrome after antibiotic treatment of *Escherichia coli* O157:H7 enteritis: a meta-analysis. *JAMA* 288: 996, 2002.
39. Mallory MD, Kadish H, Zebrack M, Nelson D: Use of a pediatric observation unit for treatment of children with dehydration caused by gastroenteritis. *Pediatr Emerg Care* 22: 1, 2006.
40. Ejemot RI, Ehiriri JE, Meremikwu MM, Critchley JA: Hand washing for preventing diarrhea. *Cochrane Database Syst Rev* 1: CD004265, 2008.
41. Sandora TJ, Taveras EM, Shih MC, et al: A randomized, controlled trial of a multifaceted intervention including alcohol-based hand sanitizer and hand-hygiene education to reduce illness transmission in the home. *Pediatrics* 116: 587, 2005.
42. Vesikari T, Matson DO, Dennehy P, et al: Safety and efficacy of a pentavalent human-bovine (WC3) reassortant rotavirus vaccine. *N Engl J Med* 354: 23, 2006.
43. Ruiz-Palacios GM, Perez-Schael I, Velazquez FR, et al: Safety and efficacy of an attenuated vaccine against severe rotavirus gastroenteritis. *N Engl J Med* 354: 11, 2006.
44. Ravelli AM, Tobanelli P, Volpi S, Ugazio AG: Vomiting and gastric motility in infants with cow's milk allergy. *J Paediatr Gastroenterol Nutr* 32: 59, 2001.
45. American Academy of Pediatrics: Summaries of infectious diseases, in Pickering LK, Baker CJ, Long SS, McMillan JA (eds): *Red Book: 2006 Report of the Committee on Infectious Diseases*, 27th ed. Elk Grove Village, IL, American Academy of Pediatrics, 2006.
46. Centers for Disease Control and Prevention: Health Information for International Travel 2008. Atlanta, U.S. Department of Health and Human Services, Public Health Service, 2007.
47. Perlstein PH, Lichtenstein P, Cohen MB, et al: Implementing an evidence-based acute gastroenteritis guideline at a children's hospital. *Jt Comm J Qual Improv* 28: 20, 2002.

USEFUL WEB RESOURCES

Kaopectate Reformulation Causes Confusion. FDA Patient Safety News: Show #32, October 2004—<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/psn/printer.cfm?id=265>
 Cincinnati Children's Medical Center: Evidence-Based Care Guideline for Children with Acute Gastroenteritis (AGE)—<http://www.cincinnatichildrens.org/assets/0/78/1067/2709/2777/2793/9199/32e14f93-09fe-4138-85be-7d86ed145537.pdf>