

Acute Abdominal Pain in Infants and Children

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REFERENCES

- Malhotra A, Lakkundi A, Carse E: Bilious vomiting in the newborn: 6 years data from a level III centre. *J Paediatr Child Health* 46: 259, 2010. [PMID: 20337876]
- Hall EJ, Brenner DJ: Cancer risks from diagnostic radiology. *Br J Radiol* 81: 362, 2008. [PMID: 18440940]
- Brenner D, Elliston C, Hall E, Berdon W: Estimated risks of radiation-induced fatal cancer from pediatric CT. *Am J Roentgenol* 176: 289, 2001. [PMID: 11159059]
- Berman LR, Moss RL: Necrotizing enterocolitis: an update. *Semin Fetal Neonatal Med* 16: 145, 2011. [PMID: 21514258]
- Bolisetty S, Lui K, Oei J, Wojtulewicz J: A regional study of underlying congenital diseases in term neonates with necrotizing enterocolitis. *Acta Paediatrica* 89: 1226, 2000. [PMID: 11083380]
- Lambert DK, Christensen RD, Henry E, et al: Necrotizing enterocolitis in term neonates: data from a multihospital health-care system. *J Perinatol* 27: 437, 2007. [PMID: 17392837]
- Abramo TJ, Evans JS, Kokomoor FW, Kantak AD: Occult blood in stools and necrotizing enterocolitis. Is there a relationship? *Am J Dis Child* 142: 451, 1988. [PMID: 3126646]
- Buonomo C: The radiology of necrotizing enterocolitis. *Radiol Clin North Am* 37: 1187, 1999. [PMID: 10546673]
- Thompson AM, Bizzarr MJ: Necrotizing enterocolitis in newborns. Pathogenesis, prevention and management. *Drugs* 68: 1227, 2008. [PMID: 18547133]
- Williams H: Green for danger! Intestinal malrotation and volvulus. *Arch Dis Child Educ Pract Ed* 92: 87, 2007. [PMID: 17517978]
- Sizemore AW, Rabbani KZ, Ladd A, Applegate KE: Diagnostic performance of the upper gastrointestinal series in the evaluation of children with clinically suspected malrotation. *Pediatr Radiol* 38: 518, 2008. [PMID: 18265969]
- Applegate KE: Evidence-based diagnosis of malrotation and volvulus. *Pediatr Radiol* 39: S161, 2009. [PMID: 19308378]
- Buettcher M, Baer G, Bonhoeffer J, Schaad UB, Heininger U: Three-year surveillance of intussusception in children in Switzerland. *Pediatrics* 120: 473, 2007. [PMID: 17766518]
- Fischer TK, Bihmann K, Perch M, et al: Intussusception in early childhood: a cohort study of 1.7 million children. *Pediatrics* 114: 782, 2004. [PMID: 15342854]
- Hviid A, Svanstrom H: Antibiotic use and intussusception in early childhood. *J Antimicrob Chemother* 64: 642, 2009. [PMID: 19549670]
- Daneman A, Navarro O: Intussusception part 1: a review of diagnostic approaches. *Pediatr Radiol* 33: 79, 2004. [PMID: 12557062]
- Daneman A, Alton DJ, Lobo E, Gravett J, Kim P, Ein SH: Patterns of recurrence of intussusception in children: a 17-year review. *Pediatr Radiol* 28: 913, 1998. [PMID: 9808629]
- Al-Jazaeri A, Yazbeck A, Filiatrault D, Beaudin M, Emran M, Butter A: Utility of hospital admission after successful enema reduction of ileocolic intussusception. *J Pediatr Surg* 41: 1010, 2006. [PMID: 16677902]
- Addiss DG, Shaffer N, Fowler BS, Tauxe RV: The epidemiology of appendicitis and appendectomy in the United States. *Am J Epidemiol* 132: 910, 1990. [PMID: 2239906]
- Becker T, Kharbanda A, Bachur R: Atypical clinical features of pediatric appendicitis. *Acad Emerg Med* 14: 124, 2007. [PMID: 17192449]
- Rothrock SG, Skeoch G, Rush JJ, Johnson NE: Clinical features of misdiagnosed appendicitis in children. *Ann Emerg Med* 20: 45, 1991. [PMID: 1984727]
- Bundy DG, Byerley JS, Liles EA, et al: Does this child have appendicitis? *JAMA* 298: 438, 2007. [PMID: 17652298]
- Narsule CK, Kahle EJ, Kim DS, Anderson AC, Luks FI: Effect of delay in presentation on rate of perforation in children with appendicitis. *Am J Emerg Med* 29: 890, 2011. [PMID: 20627213]
- Andersson RE: Meta-analysis of the clinical and laboratory diagnosis of appendicitis. *Br J Surg* 91: 28, 2004. [PMID: 14716790]
- Goldin AB, Khanna P, Thapa M, McBroom JA, Garrison MM, Parisi MT: Revised ultrasound criteria for appendicitis in children improve diagnostic accuracy. *Pediatr Radiol* 41: 993, 2011. [PMID: 21409516]
- Doria AS, Moineddin R, Kellenberger CJ, et al: US or CT for diagnosis of appendicitis in children and adults? A meta-analysis. *Radiology* 241: 83, 2006. [PMID: 16928974]
- Bundy DG, Byerley JS, Liles EA, et al: Does this child have appendicitis? *JAMA* 298: 438, 2007. [PMID: 17652298]
- Hodgkinson JD, Shukur ZN, Tan E, et al: Are C-reactive protein levels necessary to diagnose acute appendicitis in children. *Pediatr Res* 70: 578, 2011.
- Gaveta T, Cabeza B, Serrano A, et al: C-reactive protein and procalcitonin are predictors of the severity of acute appendicitis in children. *Pediatr Emerg Care* 28: 416, 2012. [PMID: 22531196]
- Wu HP, Chen CY, Kuo IT, et al: Diagnostic values of a single serum biomarker at different time points compared with Alvarado score and imaging examinations in pediatric appendicitis. *J Surg Res* 174: 272, 2012. [PMID: 21529827]
- Kwan KY, Nager AL: Diagnosing pediatric appendicitis: usefulness of laboratory markers. *Am J Emerg Med* 28: 1009, 2010. [PMID: 20829531]
- Hung MH, Lin LH, Chen DF: Clinical manifestations in children with ruptured appendicitis. *Pediatr Emerg Care* 28: 433, 2012. [PMID: 22531191]
- Kharbanda AB, Yohaimi C, Liu K, et al: Discriminative accuracy of novel and traditional biomarkers in children with suspected appendicitis adjusted for duration of abdominal pain. *Acad Emerg Med* 18: 567, 2011. [PMID: 21676053]
- Trout AT, Sanchez R, Ladino-Torres MF, Pai DR, Strouse PJ: A critical evaluation of US for the diagnosis of pediatric acute appendicitis in a real-life setting: how can we improve the diagnostic value of sonography? *Pediatr Radiol* March 9, 2012 [Epub ahead of print]. [PMID: 22402883]
- Kharbanda AB: Interrater reliability of clinical findings in children with possible appendicitis. *Pediatrics* 129: 695, 2012. [PMID: 22392173]
- Nadler EP, Gaines BA: The Surgical Infection Society guidelines on antimicrobial therapy for children with appendicitis. *Surg Infect* 9: 75, 2008. [PMID: 18363471]
- McCarthy HJ, Tizard EJ: Clinical practice: diagnosis and management of Henoch-Schönlein purpura. *Eur J Pediatr* 169: 643, 2010. [PMID: 20012647]
- Shiohama T, Kitazawa K, Omura K, et al: Intussusception and spontaneous ileal perforation in Henoch-Schönlein purpura. *Pediatr Int* 50: 709, 2008. [PMID: 19261128]
- Saulsbury FT: Henoch-Schönlein purpura. *Curr Opin Rheumatol* 22: 598, 2010. [PMID: 20473173]
- Watson L, Richardson ARW, Holt RCL, Jones CA, Beresford M: Henoch-Schönlein purpura — a 5-year review and proposed pathway. *PLoS ONE* 7: e29512, 2012. [PMID: 22235302]
- Brandt ML: Pediatric hernias. *Surg Clin North Am* 88: 27, 2008. [PMID: 18267160]
- Stylianos S, Jacir NN, Harris BH: Incarceration of inguinal hernia in infants prior to elective repair. *J Pediatr Surg* 28: 582, 1993. [PMID: 8483072]
- Glick SR, Carvalho RS: Inflammatory bowel disease. *Pediatr Rev* 32: 14, 2011. [PMID: 21196502]
- Grybowski JD: Crohn's disease in children 10 years old and younger: comparison with ulcerative colitis. *J Pediatr Gastroenterol Nutr* 18: 174, 1994. [PMID: 8014764]
- Autenrieth DM, Baumgart DC: Toxic megacolon. *Inflamm Bowel Dis* 18: 584, 2002. [PMID: 22009753]
- Turner D, Griffiths AM: Acute severe ulcerative colitis in children: a systematic review. *Inflamm Bowel Dis* 17: 440, 2011. [PMID: 20645317]
- Persaud AC, Stevenson MD, McMahon DR, Christopher NC: Pediatric urolithiasis: clinical predictors in the emergency department. *Pediatrics* 124: 888, 2009. [PMID: 19661055]
- Luchs JS, Katz DS, Lane MJ, et al: Utility of hematuria testing in patients with suspected renal colic: correlation with unenhanced helical CT results. *Urology* 59: 839, 2002. [PMID: 12031364]
- Kalorin CM, Zabinski A, Okpareke I, White M, Kogan BA: Pediatric urinary stone disease: does age matter? *J Urol* 181: 2267, 2009. [PMID: 19296968]
- McKay CP: Renal stone disease. *Pediatr Rev* 31: 179, 2010. [PMID: 20435729]
- Sternberg K, Greenfield SP, Williot P, et al: Pediatric stone disease: an evolving experience. *J Urol* 174: 1711, 2005. [PMID: 16148688]
- Van Savage JG, Palanca LG, Andersen RD, Rao GS, Slaughenhaupt BL: Treatment of distal ureteral stones in children: similarities to the American Urological Association guidelines in adults. *J Urol* 164: 1089, 2000. [PMID: 10958749]
- Aydogdu O, Burgu B, Gucuk A, Suer E, Soygur T: Effectiveness of doxazosin in treatment of distal ureteral stones in children. *J Urol* 182: 2880, 2009. [PMID: 19846149]
- Bai HX, Lowe ME, Husain SZ: What have we learned about acute pancreatitis in children? *J Pediatr Gastroenterol Nutr* 52: 262, 2011. [PMID: 21336157]
- Werlin SL, Kugathasan S, Frautschy BC: Pancreatitis in children. *J Pediatr Gastroenterol Nutr* 37: 591, 2003. [PMID: 14581803]
- Park AJ, Latif SU, Ahmad MU, et al: Comparison of presentation and management trends in acute pancreatitis between infants/toddlers and older children. *J Pediatr Gastroenterol Nutr* 51: 167, 2010. [PMID: 20479687]
- Kandula L, Lowe ME: Etiology and outcome of acute pancreatitis in infants and toddlers. *J Pediatr* 152: 1, 2008. [PMID: 18154910]
- Punia RP, Garg S, Bisht B, Dalal U, Mohan H: Clinico-pathological spectrum of gallbladder disease in children. *Acta Paediatr* 99: 1561, 2010. [PMID: 20491740]
- Solomkin JS, Mazuski JE, Bradley JS, et al: Diagnosis and management of complicated intra-abdominal infection in adults and children: guidelines by the Surgical Infection Society and the Infectious Diseases Society of America. *Clin Infect Dis* 50: 133, 2010. [PMID: 20034345]
- Bisno AL, Gerber MA, Gwaltney JM, Kaplan EL, Schwartz RH: Practice guidelines for the diagnosis and management of group A streptococcal pharyngitis. *Clin Infect Dis* 35: 113, 2002. [PMID: 12087516]
- Ventakaramana NK: Spinal dysraphism. *J Pediatr Neurosci* 6: S31, 2011. [PMID: 22069428]
- Tobias N, Mason D, Lutkenhoff M, Stoops M, Ferguson D: Management principles of organic causes of childhood constipation. *J Pediatr Health Care* 22: 12, 2008. [PMID: 18174085]
- Evaluation and treatment of constipation in children: summary of updated recommendations of the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition. *J Pediatr Gastroenterol Nutr* 43: 405, 2006. [PMID: 16954970]

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