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References :

1. John T. Boyle. Abdominal pain. In: W. Allan Walker . J. Richard Hamilton, John B. Watkins, Peter R. Durie, John A. Walker-Smith. Pediatric Gastrointestinal Disease: Pathophysiology, Diagnosis, Management, 3rd edition. BC Decker .2000, 129-49.

2. Apley J, Naish N: Recurrent abdominal pains: a field survey of 1,000 school children. Arch Dis Child 1958;33:165-70.

3. Kokkonen J, Haapalahti M, Tikkanen S, Karttunen R, Savilahti E. Gastrointestinal complaints and diagnosis in children: a population-based study. Acta Paediatr 2004;93:869-71.

4. Lundby L, Sandbaek A, Juul S. Recurrent abdominal pain in schoolchildren 9-12 years of age. *Ugeskr Laeger* 1990;24:2851-4.
5. Boey CC, Goh KL. Recurrent abdominal pain and consulting behaviour among children in a rural community in Malaysia. *Dig Liver Dis* 2001;33:140-4.
6. Liebman WM. Recurrent abdominal pain in children: a retrospective survey of 119 patients. *Clin Pediatr (Phila)* 1978 ;17:149-53.
7. Stone RT, Barbero GJ. Recurrent abdominal pain in childhood. *Pediatrics* 1970;45:732-8.
8. Walker LS, Lipani TA, Greene JW, Caines K, Stutts J, Polk DB, Caplan A, Rasquin-Weber A. Recurrent abdominal pain: symptom subtypes based on the Rome II Criteria for pediatric functional gastrointestinal disorders. *J Pediatr Gastroenterol Nutr* 2004;38:187-91.
9. Nygaard EA, Stordal K, Bentsen BS. Recurrent abdominal pain in children revisited: irritable bowel syndrome and psychosomatic aspects. A prospective study. *Scand J Gastroenterol* 2004;39:938-40.
10. Apley J, Hale B. Children with recurrent abdominal pain: how do they grow up? *Br Med J* 1973;7:7-9.
11. Oymar K, Fluge G, Rosendahl K. Recurrent abdominal pain. A prospective study of 68 children. *Tidsskr Nor Laegeforen.* 1993 Aug 30;113(20):2566-8.
12. Alfven G. One hundred cases of recurrent abdominal pain in children: diagnostic procedures and criteria for a psychosomatic diagnosis. *Acta Paediatr* 2003;92:641.
13. Stordal K, Nygaard EA, Bentsen B. Organic abnormalities in recurrent abdominal pain in children. *Acta Paediatr* 2001;90:638-42.
14. El-Matary W, Spray C, Sandhu B. Irritable bowel syndrome: the commonest cause of recurrent abdominal pain in children. *Eur J Pediatr* 2004;163:584-8.
15. Walker, L. S. The evolution of research on recurrent abdominal pain: History, assumptions, and a conceptual model. In: P. J. McGrath & G. A. Finley (Eds.), *Chronic and recurrent pain in children and adolescents*. Seattle: International Association for the Study of Pain 1999, 141-172
16. Dorn LD, Campo JC, Thato S, Dahl RE, Lewin D, Chandra R, Di Lorenzo C. Psychological comorbidity and stress reactivity in children and adolescents with recurrent abdominal pain and anxiety disorders. *J Am Acad Child Adolesc Psychiatr* 2003;42:66-75.
17. Van Ginkel R, Voskuijl WP, Benninga MA, Taminiau JA, Boeckxstaens GE. Alterations in rectal sensitivity and motility in childhood irritable bowel syndrome. *Gastroenterology* 2001 ;120:31-8.
18. Boey C, Yap S, Goh KL. The prevalence of recurrent abdominal pain in 11- to 16-year-old Malaysian schoolchildren. *J Paediatr Child Health* 2000;36:114-6.
19. Guiraldes E, Carrasco E, Olivari C, Cerfogli C, Trivino X, Parada H, Pena A. Clinical and psychological characterization of children and adolescents with recurrent abdominal pain. *Rev Med Chil* 1995; ;123:1341-8.
20. Huang RC, Palmer LJ, Forbes DA. Prevalence and pattern of childhood abdominal pain in an Australian general practice. *J Paediatr Child Health* 2000 ;36:349-53.
21. Campo JV, Bridge J, Ehmann M, Altman S, Lucas A, Birmaher B, Di Lorenzo C, Iyengar S, Brent DA. Recurrent abdominal pain, anxiety, and depression in primary care. *Pediatrics* 2004 ;113:817-24.
22. Garber J, Zeman J, Walker LS. Recurrent abdominal pain in children: psychiatric diagnoses and parental psychopathology. *J Am Acad Child Adolesc Psychiatr* 1990;29:648-56.
23. Walker LS, Garber J, Greene JW. Psychosocial correlates of recurrent childhood pain: a comparison of pediatric patients with recurrent abdominal pain, organic illness, and psychiatric disorders. *J Abnorm Psychol* 1993;102:248-58.
24. Liakopoulou-Kairis M, Alifieraki T, Protagora D, Korpa T, Kondyli K, Dimosthenous E, Christopoulos G, Kovanis T. Recurrent abdominal pain and headache--psychopathology, life events and family functioning. *Eur Child Adolesc Psychiatr* 2002;11:115-22.
25. Hotopf M, Carr S, Mayou R, Wadsworth M, Wessely S. Why do children have chronic abdominal pain, and what happens to them when they grow up? Population based cohort study. *BMJ* 1998 5;317:682-3.
26. Boey C, Yap S, Goh KL. The prevalence of recurrent abdominal pain in 11- to 16-year-old Malaysian schoolchildren. *J Paediatr Child Health* 2000;36:114-6.
- 27- Boey CC, Goh KL. Predictors of health-care consultation for recurrent abdominal pain among urban schoolchildren in Malaysia. *J Gastroenterol Hepatol* 2001;16:154-9.
- 28- Malaty HM, Abudayyeh S, O'Malley KJ, Wilsey MJ, Fraley K, Gilger MA, Hollier D, Graham DY, Rabeneck L. Development of a multidimensional measure for recurrent abdominal pain in children: population-based studies in three settings. *Pediatrics* 2005;115:210-5.
- 29-Huang RC, Palmer LJ, Forbes DA. Prevalence and pattern of childhood abdominal pain in an Australian general practice. *J Paediatr Child Health* 2000 ;36:349-53.
- 30-Boey CC, Yap SB. An epidemiological survey of recurrent abdominal pain in a rural Malay school. *J Paediatr Child Health* 1999;35:303-5.
- 31-von Baeyer CL, Walker LS. Children with recurrent abdominal pain: issues in the selection and description of research participants. *J Dev Behav Pediatr* 1999 ;20:307-13.
32. Apley J, Hale B. Children with recurrent abdominal pain: how do they grow up? *BMJ* 1973;3:7-9.

33. Christensen MF, Mortensen O, Long-term prognosis in children with recurrent abdominal pain, *Arch Dis Child* 1975;50: 110-114.

34. Skorochodzki J, Oldak E, Taraszkiewicz F, Kurzatowska B, Sulik A, Zagorska W,

Rozkiewicz D. Frequency of giardiasis in children with chronic abdominal pain coming from North-East Poland. *Przegl Epidemiol* 1998;52:309-15.