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**References:**

1. Genta RM. Gastric and Gastropathy. In: Yamada T. Text book of Gastroenterology. 4th ed. Philadelphia: Lippincott Williams & Wilkins, 2003, 1394-414.
2. Bechi P, Balzi M, Becciolini A, et al. Helicobacter pylori and cell proliferation of the gastric mucosa: Possible implications for gastric carcinogenesis. Am J Gastroenterol 1996; 91: 271-6.
3. Valle J, Kekki M, Sipponen P, et al. Long-term course and consequences of Helicobacter pylori gastritis. Results of 32 year follow up study.

- Scand J Gastroenterol 1996; 31: 546-50.
4. Grenberg PD, Koch J, Cello JP. Clinical utility and cost effectiveness of *Helicobacter pylori* testing for patients with duodenal and gastric ulcers. *Am J Gastroenterol* 1996; 91: 228-32.
  5. Goodwin CS, Blincow ED, Warren JR, et al. Evaluation of cultural techniques for isolating *Campylobacter pyloridis* from endoscopic biopsies of gastric mucosa. *J Clin Pathol* 1985; 38: 1127-31.
  6. Peterson WL, Lee EL, Feldman M. Relationship between *Campylobacter pylori* and gastritis in healthy human after placebo or indomethacin. *Gastroenterology* 1988; 95: 1185-97.
  7. Hazell SL, Hennessy WB, Borody TJ, et al. *Campylobacter pyloridis* gastritis II: Distribution of bacteria and associated inflammation in the gasteroduodenal environment. *AM J Gastroenterol* 1987; 82: 297-301.
  8. Kolts BE, Joseph B, Achem SR, et al. *Helicobacter pylori* detection: A quality and cost analysis. *Am J Gastroenterol* 1993; 88:650-5.
  9. Mendoza ML, Martin RP, Carrion I, et al. *Helicobacter pylori* infection: Rapid diagnosis with brush cytology. *Acta cytol* 1993; 37: 181-5.
  10. Debongnie JC, Mairesse J, Donnay M, et al. A quick, simple, sensitive screening test in the diagnosis of infections of the gastrointestinal mucosa. *Arch Pathol Lab Med* 1994; 118:1115-8.
  11. Pinto MM, Meriano FV, Afridi S, et al. Cytodiagnosis of *Campylobacter pylori* in Papanicolaou stained imprints of gastric biopsy specimens. *Acta Cytol* 1991; 6: 209-22.
  12. Graham DY, Rabeneck L. Patients, payers, and paradigm shifts: What to do about *Helicobacter pylori*. *Am J Gastroenterol* 1996; 91: 188-90.
  13. Madan E, Kemp J, Westblom TU, et al. Evaluation of staining methods for identifying *Campylobacter pylori*. *AM J Clin Pathol* 1988; 90: 450-3.
  14. Montgomery EA, Martin DF, Puera DA. Rapid diagnosis of *Campylobacter pylori* by Gram's stain. *Am J Clin Pathol* 1988; 90: 606-9.
  15. Megraud F. Advantage and disadvantage of current diagnostic tests for the detection of *Helicobacter pylori*. *Scand J Gastroenterol* 1996; 31 suppl: 57-62.
  16. Cutler AF, Havstad S, Ma CK, et al. Accuracy of invasive and noninvasive tests to diagnose *Helicobacter pylori* infection. *Gastroenterology* 1995; 109: 136-41.
  17. Barthel JS, Evereti ED. Diagnosis of *Campylobacter pylori* infections: The "Gold standard" and the alternatives. *Rev Infect Dis* 1990; 12 suppl: 107-14.
  18. Langenberg ML, Tytgat GNJ, Schipper MEI, et al. *Campylobacter*-like organisms in the stomach of patients and healthy individuals. *Lancet* 1984; 1: 1348-9.
  19. Trevisani L, Sartori S, Ruina M, et al. Touch cytology a reliable and cost effective method for diagnosis of *Helicobacter pylori* infection. *Dig Dis Sci* 1997; 11: 2299-303.
  20. Genta RM, Robason Go, Graham DY. Simultaneous visualization of *Helicobacter pylori* and gastric morphology: A new stain. *Hum Pathol* 1994; 25:221-6.
  21. Dalla LM, Pazzi P, Carli G, et al. Brush cytology: A reliable method to detect *Helicobacter pylori* infection. *Gastroenterol* 1996; 22: 317-21.
  22. Huang MS, Wang WM, Wu DC, et al. Utility of brushing cytology in the diagnosis of *Helicobacter pylori* infection. *Acta Cytol* 1996; 40: 714-8.
  23. Sentürk Ö, Catürk Z, Erçin C, et al. Comparison of five detection method for *Helicobacter pylori*. *Acta Cytol* 2000; 44: 1010-4.
  24. Rodriguez IN, Santamaria JS, Alcalde Rubio MM, et al. Cytologic brushing as a simple and rapid method in the diagnosis of *Helicobacter pylori* infection. *Acta Cytol* 1995; 39: 916-9.