

REFERENCES

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- Aceti, A.; Attonasio, H. and Pennica, A. (1987):*
H. pylori infection in homosexuals.
Lancet, ii: 154-55.
- Acheson, D.W.; Moore, R.; De Breucker, S.; Lincicome, L.; Jacewicz, M.; Skutelsky, E. and Keusch, G.T. (1996):*
Translocation of Shiga toxin across polarized intestinal cells in tissue culture.
Infect. Immun. Agu., 64 (8): 3294-300.
- Al-Moagel, M.A.; Evans, D.G. and Abdulghani, M.E. (1990):*
Prevalence of Helicobacter pylori infection in Saudi Arabia and comparison of those with and without upper gastrointestinal symptoms.
Am. J. Gastroenterol., 321: 1562-1566.
- Anderson, L.; Holck, S.; Povlsen, C. and Elsprong, S. (1987):*
CP in peptic ulcer disease. Gastric and duodenal infection caused by CP. Histopathological and microbiological findings.
Scand. J. Gastroenterol., 22: 219-224.
- Ansorg, R.; Van Recklinghausen, G.; Promasuis, R. and Schmid, E. (1991):*
Evaluation of techniques for isolation, subcultivation and preservation of Helicobacter pylori. J. Clin. Microbiol., 29: 51-3.
- Armstrong, J.; Wee, S.; Goodwin, C. and Wilson, B. (1987):*
Response of CP to antibiotics, bismuth and an acid reducing agent in vitro-an ultra-structural study. J. Med. Microbiol., 24: 343-350.
- Ashorn, P.; Moss, B. and Berger, E.A. (1990):*
Anti-HIV effects of CD4-pseudomonas exotoxin on human lymphocyte and monocyte/macrophage cell lines. Ann. N.Y. Acad. Sci., 616: 149-54.
- Atherton, J.C. and Spiller, R.C. (1994):*
The urea breath test for H. pylori.
Gut, 35: 723-725.

Atkins, J.T. and Cleary, T.G. (1996):

Helicobacter pylori in: Nelson textbook of Pediatrics. Edited by Nelson W.E. Saunder Company 15th edition, volume 2, P. 802-804.

Ausubel, F.M.; Brent, R.; Kingston, R.E. and Moore, O.D. (1990):

One deminsional gel electrophoresis of protein. In: Current protocols in Molecular Biology. Edited by John Wiley and Sons, New York, P. 121-155.

Axon, A.T.R. (1988):

Compylboacter pylori, in: recent advances in gastroenterology. Edited by Ray Pounder (Ed.), Churchill-Livingstone, Great Britain, P. 255-44.

Axon, A.T.R. (1992):

H. pylori in recent advances in gastroenterology. Edited by Ray Pounder. Churchill Livingstone, P. 27-44.

Baggiolini, M.; Waltz, A. and Kunkel, S.L. (1989):

Neutrophil activating peptide-1/interleukin-8, a novel cytokine that activates neutrophils. *J. Clin. Invest.*, 84: 1045-1049.

Bartlett, J.G.; Chang, T.W.; Gurwith, M.; Gorbach, S.L. and Onderdonk, A.B. (1978):

Antibiotic-associated pseudomembranous colitis due to toxin-producing clostridia. *N. Engl. J. Med.*, 298: 531-4.

Bassa, O.; Mocario, F. and Boccis, S. (1988):

Is that possible to transmit *Campylobacter pylori* by the fibroptic endoscope (Abstract) 20th congress sirmione on lack Grada, Italy. European association for gastroenterology and endoscopy, April, 28-30.

Bauer, M.E. and Welch, R.A. (1996):

Characterization of an RTX toxin from enterohemorrhagic *Escherichia Coli*, O157:H7. *Infect. Immun.* Jan., 64(1): 167-75.

Bayerdorffer, E.; Neubauer, A. and Eidt, S. (1994):

Double-blind treatment of early gastric MALT-lymphoma patients by *H. pylori* eradication. *Gastroenterology*, 106: A370.

- Bazillou, M.; Fendri, C.; Castel, O. and Ingrand, P. (1994):**
Serum antibody response to the superficial and release components of *H. pylori*. Clin. Diag. Lab. Immunol., 1:310-317.
- Bechi, P.; Balzi, M. and Bacciolini, A. (1996):**
H. pylori and cell proliferation of the gastric mucosa: possible implications for gastric carcinogenesis. Am. J. Gastroenterol., 91(2): 271-276.
- Beil, W.; Birkholz, C.; Wagner, S. and Sewing, K.F. (1994):**
Interaction of *H. pylori* and its fatty acids with parietal cells and gastric H/K ATPase. Gut., 35: 1176-1180.
- Beliaeva, O.I and paikov, V.L. (1995):**
Mother's *H. pylori* positivity as a risk factor of infant infection. Gut, 37: 27.
- Birkholz, S.; Knipp, U. and Lenma, E. (1994):**
Furmarate reductase of *H. pylori*: an immunogenic protein. J. Med. Microbiol., 41: 56-62.
- Bizzozero, G. (1893):**
Quoted in Rauwas E.A.; and Tytgat, G.N.J. 1989: History of *H. pylori* detection. Academic Medical center (Ed.), Amsterdam.
- Blaser, M.(1987):**
Gastric Campylobacter-like organisms, gastritis and peptic ulcer disease. Gastroenterol., 93: 371-383.
- Blaser, M.J. and Parsonnet, J. (1994):**
Parasitism by the "slow" bacterium *Helicobacter pylori* leads to altered gastric homeostasis and neoplasia. J. Clin. Invest., 94: 4-8.
- Blaser, M.J.; Cover, T.L. and Evans, (1992):**
Helicobacter pylori and gastro duodenal disease. Ann. Rev. Med., 43: 135-145.
- Blecker, U.; Lanciers, S. and Hauser, B. (1995):**
The contribution of specific IgM antibodies to the diagnosis of *H. pylori* infection in children. Eur. J. Gastroenterol., Hepatol., 7 (10): 979-983.

- Bossinger, T.; Thacker, H. and Armstrong, C. (1985):**
Campylobacter sputum subsp. Mucosalis and campylobacter hypointestinalis infections in the intestine of pigs. Am. J. Vet. Res., (45): 2152-2156.
- Brenner, H.; Rotenbacher, D.; Bode, G. and Alder, G. (1997):**
Relation of smoking and alcohol and coffee consumption to active Helicobacter pylori infection. BMJ, 315: 1489-92.
- Brooks, G.F.; Butel, J.S. and Morse, S.A. (1998):**
Helicobacter pylori: In Medical Microbiology, 21st edi., edited by Kawetz Melnick, and Adleberg, P. 242-3.
- Bujanover, Y.; Reif, S. and Yahav, J. (1996):**
Helicobacter pylori and peptic disease in the pediatric patient. The Pediatric clinic of North America, 43 (1): 213-234.
- Burman, W.J.; Cohn, D.L.; Reves, R.R. and Wilson, M.L. (1995):**
The multifocal cellulitis and monoarticular arthritis as manifestations of Helicobacter bacteremia. Clin. Inf. Dis., 20(3):564.
- Cave, D.R. and Vargas, M. (1989):**
Effect of a Campylobacter pylori protein on acid secretion by parietal cells. Lancet ii: 187-189.
- Chan, E.C.S.; Michael, J.; Pelcazar, Jr. and Noe, R. Krieg (1994):**
Propagation of viruses by tissue culture (Demonstration). In: Laboratory Exercises in Microbiology, 6th edition, McGraw-Hill, Inc., 281-284.
- Cheli, R.; Ncolo, G. and Bovero, E. (1994):**
Epidemiology and aetiology of "Autonomous" nonspecific duodenitis. Journal of Clinical Gastroenterology, 18 (3): 200-5.
- Chey, W.D.; Spybrook, M. and Carpenter, S. (1996):**
Prolonged effect of Omeprazole on the 14C-urea breath test. Am. J. Gastroenterol., 91 (1): 89-92.
- Clayton, C.L.; Kleanthous, H. and Coates, P.J. (1992):**
Sensitive detection of H. pylori by using polymerase chain reaction. J. Clin. Microbiol., 30 (1): 192-200.

- Coghlan, J.G.; Gilligan, D. and Humphries, H. (1987):**
Campylobacter pylori and recurrence of duodenal ulcer. A 12 month study. Lancet 2: 1109-1111.
- Collin-Jones, D.C. (1988):**
Management of dyspepsia.
Lancet, I: 576-9.
- Cornelius, P.; Dooley, M. and Hartely, M. (1988):**
The clinical significant of Campylobacter pylori. Ann. of Int. Med., 108(1): 70-79.
- Correa, P. (1992):**
Human gastric carcinogenesis a multistep and multifocal process. Cancer Res., 52: 6735-6740.
- Correa, P.; Ruiz, B. and Shi, T. (1994):**
H. pylori and nuclear organizer regions in the gastric antral mucosa. Am. J. Clin. Pathol., 101: 656-660.
- Corthesy-Theulaz, I.; Vaney, A.C. and Haas, R. (1994):**
H. pylori urease B subunit as a therapeutical vaccine against H. felis infection. Gastroenterol., 106: A668.
- Covacci, A.; Gensini, S. and Bungoli, M. (1993):**
Molecular characterization of the 128- KD a immuno dominant antigen of H- Pylori associated with cytotoxicity and duodenal ulcer.
Proc. Natl. Acad. Sci. USA. 90 : 5791- 95.
- Cover, T.L. and Blaser, M.J. (1992):**
Helicobacter pylori and gastroduodenal disease.
Ann. Rev. Med., 43 : 135-145.
- Cover, T.L. and Blaser, M.J. (1992):**
Purification and characterization of the vaculating toxin from H. pylori. J. Biol. Chem., 267: 10570-10575.
- Cover, T.L.; Cao, P.; Lind, C.D.; Tham, K.T. and Blaser, M.J. (1993):**
Correlation between vaculating cytotoxin production by Helicobacter pylori isolates in vitro and in vivo. Infect. Immun., 61: 5008-5012.
- Cover, T.L.; Tummuru, M.K.; Cao, P.; Thompson, S.A. and Blaser, M.J. (1994):**
Divergence of genetic sequences for the vaculating cytotoxin among Helicobacter pylori strains. J. Biol. Chem., 269: 10566-73.

- Crabtree, J.E.; Farmery, S.; Lindley, I.J.D.; Peichl, P. and Tompkins, D.S. (1993):**
Cytotoxic strains of *Helicobacter pylori* induce IL-8 production by gastric epithelial cells. *Acta. Gastro. Enterologic. Belgica.*, 56 (Supl.): 48.
- Crabtree, J.E.; Wyatt, J.L. and Trejdosiewicz, L.K. (1994):**
Interleukin-8 expression in *H. pylori* infected normal and neoplastic gastroduodenal mucosa. *J. Clin. Pathol.*, 47: 61-66.
- Crabtree, J.E.; Covacci, A. and Farmery, S.M. (1995):**
H. pylori induced interleukin-8 expression in gastric epithelial cells in associated with Cag A positive phenotype. *J. Clin. Pathol.*, 48: 41-45.
- Cutler, A.F. and Prasad, V.M. (1996):**
Long-term follow-up of *H. pylori* serology after successful eradication. *Am. J. Gastroenterol.*, 91 (1): 85-88.
- D'Anastasio, C.; Varia, D. and Holton, J. (1988):**
Campylobacter pylori: Epidemiology Consideration. 13th international congress of Gastroenterology, Rome, Abstract, 554, Edited by Tytgat, C.N.J., The Netherlands, P. 1.
- David, V. and Patrice, A. (1988):**
Campylobacter pylori in peptic ulcer disease: Pathology, microbiology and 14C urea breath test. *Am. J. Gastroenterol.*, 83 (6): 488.
- Davies, G.R.; Simmonds, N.J. and Stevens, T.R.S. (1991):**
Enhanced production of reactive oxygen species by gastric antral mucosa infected with *H. pylori*. *Gut*, 32: A564.
- Debongne, J.C.; Mairesse, J. and Donnay, M. (1994):**
Touch cytology. A quick simple sensitive screening test in the diagnosis of infections of gastrointestinal mucosa. *Arch. Pathol. Lab. Med.*, 118: 1115-1118.
- Dent, J.; McNulty, C.; Uff, J.; Wilkinson, S. and Crear, N. (1987):**
Spiral organism, in the gastric antrum. *Lancet*, 11 : 96.

- Dent, J.C.; McNulty, C.A.M. and Uff, J.S. (1988):*
Campylobacter pylori urease: A new serological test. Lancet, I: 1002.
- Doenges, I. (1938):*
Spirochaetes in the gastric glands of Macaws rhesus and humans without definite history of treated disease. Proc. 500c Exp. Biol., 38: 536-538.
- Doig, P. and Trust, T.J. (1995):*
Identification of surface-exposed outer membrane antigens of H. pylori. Infect. Immun., 62:4526-453.
- Doidge, C.; Gust, I. and Lee, A. (1994):*
Therapeutic immunization against Helicobacter infections. Lancet, 343: 914-915.
- Douce, G.; Trucotte, C. and Cropley, I. (1995):*
Mutants of E. coli heat-labile toxin lacking ADP-ribosyltransferase activity act as non-toxic mucosal adjuvants. Proc. Natl. Acad. Sci. USA, 92: 1644-1648.
- Dye, K.R.; Matshall, B.J.; Friason, H.F.; Pambianco, D.J. and McCallum, R.W. (1988):*
Campylobacter pylori colonizing heterotopic gastric mucosa. Am. J. Clin. Pathol., 93: 144-7.
- Eaton, K.A. and Krawoka, S. (1994):*
Effect of gastric pH on urease-dependent colonization of gnotobiotic piglets by H. pylori. Infect. Immun., 62: 3604-3607.
- Eaton, K.A.; Morgan, D.R. and Krawoka,, S. (1989):*
Campylobacter pylori virulence factors in gnotobiotic piglets. Infect. Immun., 57: 1119-112.
- Eaton, K.A.; Morgan, D.R. and Krawoka, S. (1992):*
Motility as a factor in the colonization of gnotobiotic piglets by H. pylori. J. Med. Microbiol., 37: 123-127.

El-Ghazzawy, I.F.; Shaala, Y.S.; Hafez, S.F.; Ghanem, A.M. and Hamza, M.A. (1991):

The presence of *C. pylori* in endoscopic gastric biopsies of patients with gastritis. *J. Med. Res. Instit.*, 12: 295-7.

El-Ghazzawy, I.F.; El-Hefnawy, A.M. and Salem, O.E. (1995):

Comparative evaluation of different selective media for isolation of *H. pylori* from gastric biopsies. *Egypt J. Med. Microbiol.*, 4: 299-306.

Elistur, Y.; Hill, I.; Lichtman, S.N. and Rosenberg, A.J. (1998):

Prospective comparison of rapid urease tests (PyloriTek, CLO test) for the diagnosis of *Helicobacter pylori* infection in symptomatic children: a pediatric multicenter study. *Am. J. Gastroenterol.*, 93 (2): 217-9.

El-Zayadi, A.; Massoud A.; and El-Wakil, M.R. (1990):

The use of rapid urease test in diagnosis of *Campylobacter pylori* among non ulcer dyspepsia patients in Egypt. *J. Trop. Med.*, 12: 55-59.

Engstrand, L.; Gustavson, S.; Schwan, A. and Scheynius, A. (1993):

Local and systemic immune response in *H. pylori* associated chronic gastritis. *Scand. J. Gastroenterol.*, 28: 1105-1111.

Fallone, C.A.; Elizov, M. and Cleland, P. (1996):

Detection of *H. pylori* infection by saliva IgG testing. *Am. J. Gastroenterol.*, 91 (6): 1145-1149.

Fan, X.J.; Chua, A. and Shahi, G.N. (1994):

Gastric T-lymphocyte response to *H. pylori* in patients with *H. pylori* colonization. *Gut*, 35: 1379-1384.

Fennel, C.; Totten, P.; Quinn, T.; Patton, D.; Holmes, K. and Stamm, W. (1984):

Characterization of campylobacter-like organisms isolated from homosexual men. *J. Infect. Dis.*, 149: 58-66.

Fenner, F.J. and White, D.O. (1976):

Medical virology, 2nd edition New York: Academic Press.

- Ferrero, R.L.; Thiberg, J.M. and Huerre, M. (1994):**
Recombinant antigens prepared from the urease subunits of *Helicobacter* species: evidence of protection in a mouse model of gastric infection. *Infect. Immun.*, 62: 4981-4989.
- Figura, N.; Guglielmetti, P.; Rossolini, A.; Barbe, A.; Cusi, G. and Musmanno, R.A. (1989):**
Cytotoxin production by campylobacter pylori strains isolated from patients with peptic ulcers and from patients with chronic gastritis only. *J. Clin. Microbiol.*, 27: 225-6.
- Figura, N. (1996):**
Helicobacter pylori exotoxins and gastroduodenal diseases associated with cytotoxic strain infection. *Aliment Pharmacol. Ther.*, 10 (Suppl. 1): 79-96.
- Fiocca, R.; Villani, and De Giacomini, C. (1989):**
Morphological evidence of *H. Pylori* pathogenicity in chronic gastritis and peptic ulcer. *Acta Gastroenterol Belg.* 52 : 324 – 335.
- Fiocca, R.; Luinetti, O. and Villani, L. (1994):**
Epithelial cytotoxicity, immune response and inflammatory components of *H. pylori* gastritis. *Scand. J. Gastroenterol.*, 29 (S 205): 11-21.
- Fiorentini, C.; Malorni, W.; Paradisi, S.; Giuliano, M.; Mastrantonio, P. and Donelli, G. (1990):**
Interaction of clostridium difficile toxin A with cultured cells: cytoskeletal changes and nuclear polarization. *Infect. Immun.*, 58: 2329-36.
- Florent, A. (1959):**
Proceedings of the 16th International Veterinary Congress, Madrid, Vol. 2, P. 953.
- Forbes, G.M.; Glaser, M.E. and Cullen, D.J. (1994):**
Duodenal ulcer treated with *Helicobacter pylori*: seven-year follow-up. *Lancet*, 343 (8892): 258-60.
- Fox, J.G.; Correa, P.; Taylor, N.S.; Thompson, N.; Fontham, E. and Janney, F. (1992):**
High prevalence and persistence of cytotoxin-positive *Helicobacter pylori* strains in a population with high prevalence of atrophic gastritis. *Am. J. Gastroenterol.*, 87: 1554-60.

- Freedburg, A.S. and Barron, L.E. (1940):**
The presence of spirochetes in human gastric mucosa.
Am. J. Dig. Dis., 7: 443-447.
- Freedman, A. and Bach, F. (1952):**
Mepacrine and rheumatoid arthritis. Quoted from McKendry R.J.K.R. (1995) Is rheumatoid arthritis caused by an infection.
Lancet, 24: 1319.
- Futagami S, Takahashi H, Norose Y and Kobayashi M. (1998):**
Systemic and local immune responses against helicobacter pylori urease in patients with chronic gastritis : distinct IgA and IgG productive sites. Gut, 43 : 168- 175.
- Garner, J.A. and Cover, T.L. (1996):**
Binding and internalization of the Helicobacter pylori vacuolating cytotoxin by epithelial cells. Infect. Immun., 64: 4197-4203.
- Gartler, S.M. (1967):**
Genetic markers as tracer in tissue cultures. National Cancer Institute Monograph U.S.A., 26: 167-195.
- Gasbarrini, A. (1997):**
Incidence and symptoms related to Helicobacter pylori infection in dyspeptic patients. Gastro, 112: 124.
- George, A.; Wistreich and Max, D.; Lechtman (1976):**
The cultivation of viruses. In: Microbiology and human disease second edition. Glencoe Press, 242-255.
- Glupzinski, Y. and Burette, A. (1990):**
Drug therapy for H. pylori infection: problems and pitfalls. Am. J. Gastroenterol., 85: 1545-1551.
- Glupzinski, Y.; Burette, A. and Deperez, C. (1992):**
Histological severity of gastritis in H. pylori infected people lacking a systemic antibody response.
Int. J. Med. Sci., 161 (Suppl. 10): 28.
- Glynn, J.R. (1994):**
Helicobacter pylori and the heart.
Lancet, 344: 146.
- Goding, J.W. and Handman, E. (1984):**
Immunoassays for the detection of parasite antigens and monoclonal anti-parasite antibodies. In: Genes and Antigens of Parasites. Ed. G.M. Morel, Brasil, P. 389.

- Good, N.E.; Winget, G.D.; Winder, W.; Connolly, T.N.; Izawa, S. and Singh, R.M.M. (1966):**
Hydrogen ion buffers for virological research. *Biochemistry*, 5: 467-477.
- Goodwin, C.S.; Blincow, E. and Warren, J.R. (1985b):**
Evaluation of cultural techniques for isolating *Campylobacter pyloridis* from endoscopic biopsies, of gastric mucosa. *Journal of Clinical Pathology*, 38: 1127-31.
- Goodwin, C.S.; Armstrong, J.A. and Chilvers, T. (1989):**
Transfer of *Campylobacter pylori* and *Campylobacter mustale* to *Helicobacter* gen nov as *Helicobacter pylori* comb nov and *Helicobacter mustlae* comb nov respectively. *Int. J. Syst. Bacteriol.*, 39: 397-405.
- Graham, M.D. (1991):**
Simple Non-invasive method to test efficacy of drugs in eradication of *H. pylori* infection. The example of combined Bisumth subsalicylate and nitrofurantoin. *Am. J. of Gastroenterol.*, Vol. 86.
- Graham, D.; Klein, P. and Openkun, A. (1987a):**
Epidemiology of *campylobacter pyloridis* infection. *Gastroenterology*, 92: 1411.
- Graham, D.Y.; Adam, E. and Klein, P.D. (1996):**
Comparison of the prevalence of asymptomatic *C. pylori* infection in the united states: effect of age, gender and race. *Gastroenterol.* (Suppl. 180).
- Gray, S.F.; Wyatt, J.I. and Rathbone, B.J. (1986):**
Simplified techniques for identifying *Campylobacter pyloridis*. *J. Clin. Pathol.*, 39: 1279.
- Green, A. (1973):**
Human biopsy material from genetic abnormalities. In: Kruse P.F., Patterson, M.K. (eds) *Tissue culture methods and applications*. Academic Press, New York, P. 69-72.
- Halasz, C.L. (1996):**
H. pylori antibodies in patients with psoriasis. *Arch. Dermatol.*, 132 (1): 95.

- Hamlet, A.K.; Erlandson, K.I. and Olbe, L. (1995):**
A simple rapid and highly reliable capsule-based ¹⁴C urea breath test for diagnosis of *H. pylori* infection.
Scand. J. Gastroenterol., 30 (11): 1058-1063.
- Hammar, M.; Tyszkiewicz, T.; Wadstrom, T. and O'Toole, M. (1992):**
Rapid detection of *H. pylori* in gastric biopsy material by PCR.
J. Clin. Microbiol., 30: 5458.
- Hayflick, L. (1965):**
The limited in vitro lifetime of human diploid cell strains.
Experimental Cell Research, 37: 614-636.
- Hazell, S.; Lee, A.; Brady, L. and Hennessy, W. (1986):**
Campylobacter pyloridis and gastritis: Association with inter cellular spaces and adaptation to an environment of mucus as important factor in colonization of the gastric epithelium.
J. Infect. Dis., 153: 658.
- Hazell, S.L.; Brody, J.J.; Gal, A.; Lee, A. (1987):**
Campylobacter pyloridis I: Detection of urease as a marker of bacterial colonization and gastritis. *Amer. J. Gastroenterol.*, 82: 292-301.
- Heatly, R.V. and Wyatt, J.I. (1995):**
Gastritis and duodenitis in Bockus gastroenterology: By Haubrich, W.S., Schaffn, F. and Berk, J.E. (eds). Vol. 1, 5th edition, 635-55.
- Hongyo, T.; Buzard, G.s. and Palli, D. (1995):**
Mutation of the K-ras and P53 gene in gastric adenocarcinomas from a high incidence region around Florence Italy.
Cancer Res., 55 (12): 2665-2672.
- Huber, A.R.; Kunkel, S.L.; Todd, R.F. and Weiss, S.J. (1991):**
Regulation of transendothelial neutrophil migration by endogenous interleukin-8. *Science*, 254: 99-102.
- Hunt, R.H. (1997):**
Peptic ulcer disease: Defining the treatment strategies in the Era of *Helicobacter pylori*. *Am. J. Gastro.*, 92 (4): 365-395.

Hupertz V, Czinn S and kraft WG. (1988) :

Demonstration of a cytotoxin from campylo- bacter pylori Eur J Microbiol infect Dis 7 : 576 – 578.

Husman, M.; Gries, C. and Jehnichen, P. (1994):

Helicobacter species isolated from an AIDS patient with septic arthritis: a case report and non radioactive analysis of 16 S rRNA sequence. J. Clin. Microbiol., 32 (2): 3037.

Hussell, T.; Isacson, P.G. and Crabtree, J.E. (1993):

The response of cells from low-grade B-cell gastric lymphomas of mucosa associated lymphoid tissue to H. pylori. Lancet, 342: 571-574.

Husson, M.O. and Leclerc, H. (1991):

Detection of H. pylori in stomach tissue by use of a monoclonal antibody. J. Clin. Microbiol., 29 (12): 2831-2834.

Husson, M.O.; Gottrand, F. and Vachee, A. (1995):

Importance in the diagnosis of gastritis of detection by PCR of the cag A gene in H. pylori strains isolated from children. J. Clin. Microbiol., 33 (12): 3300-3303.

Ismaili, A.; Philpott, D.J.; Dytoc, M.T. and Sherman, P.M. (1995):

Signal translocation responses following adhesion of verocytotoxin- producing Escherichia coli. Infect. Immun. Sep., 63 (9): 3316-26.

Jablonsvski, H.; Hengels, K.J. and Kramaer, N. (1994):

Effect of H. pylori on histamine and carbachol stimulated acid secretion by human parital cells. Gut, 35: 755-757.

Jacklik, W.; Willett, H. and Atomes, D. (1984):

Zinsser microbiology 18th edition. Century-Crafts, norwoth.

Jan, C.M.; Wu, D.C. and Su, Y.C. (1995):

Evaluation of the severity of H. pylori infection with urease test: its correlation with histopathology and bacterial density. Kao-H Siung, 11 (12): 650-653.

Jerris, R.C. (1995):

Helicobacter in: manual of clinical Microbiology, Edited by Murray, P.R.; Boran E.J.; Pfaller, M.A.; Tenover, F.C. and Tenover, R.H. American Society of Microbiology, Washington, D.C. 6th edition, 492-498.

Jinzhong Huang, Paul, W.; O'Toole, Peter Doig and Trevor, J. trust (1995):

Stimulation of interleukin-8 production in epithelial cell lines by Helicobacter pylori. Infect. Immun. May., 63 (5): 1732-1738.

John, W. and King, M.D. (1995):

Helicobacter pylori. Bug. Bytes., 2 (5): 15.

Jones, D.M.; Lessells, A.M. and Eldridge, J. (1984):

Campylobacter-like organisms on the gastric mucosa: culture-histological and serological studies. J. Clin. Pathol., 37: 100.

Jones, D.M.; Eldridge, J. and Whorwe, H.P.J. (1987):

Antibodies to campylobacter ploridis, In: Household contacts of infected patients. British Medical, Journal, 294: 615.

Jonston, B.; Reed, P. and Ali, A. (1986):

CLO in duodenal and antral endoscopic biopsies: relationship to inflammation. Gut, 27: 1132-1137.

Jose Costa, Alan S. Rabson and Thomas Albrecht (1986):

Effects on cells In : Medical Microbiology. Samuel Baron, Renee Robillard and Diane Weigent second edition Addison-Wesley publishing company, INC. 733.

Just, I.; Selzer, J.; Wilm, M.; Von-Eichel-Streiber, C.; Mann, M. and Aktories, K. (1995):

Glycosylation of Rho proteins by clostridium difficile toxin B. Nature Jun., 8: 375 (6531): 500-3.

Kameyama, S.; Kawamata, H.; Pastan, I. and Oyasu, R. (1994):

Cytotoxic effects of a fusion protein from transforming growth factor alpha and pseudomonas exotoxin on rat and human bladder carcinoma cells in vitro. J. Cancer, Res. Clin. Oncol., 120 (9): 507-12.

Kamiya, S.; Kai, M.; Ozawa, A.; Kobayashi, H.; Shirai, T.; Harasawa, S. and Miwa, T. (1994):

Characteristics of vaculating toxin produced by H. pylori. Eur. J. Gastroenterol. Hepatol. Dec., 6 Suppl. 1: S23-7.

- Kansau, I.; Thiberge, J.M. and Ferrero, R.L. (1994):**
Immunological and functional properties of the HspA and HspB heat shock proteins of *H. pylori*.
Am. J. Gastroenterol., 89: 1326-1330.
- Kasturi, S.; Kihara, A.; FitzGerald, D. and Pastan, I. (1992):**
Alanine scanning mutagenesis identification surface amino acids on domain II of pseudomonas exotoxin required for cytotoxicity, proper folding, and secretion into periplasm. *J. Biol. Chem. Nov.*, 15; 267 (32): 23427-33.
- Kathleen Talaro and Arthur Talaro (1993):**
An introduction to the viruses. In: *Foundation in Microbiology* W.M.C. Brown Communications, Inc., 131-155.
- Kawamata, O.; Yoshida, H. and Hirota, K. (1996):**
Nested polymerase chain reaction for the detection of *H. pylori* infection with novel primers designed by sequence analysis of urease A gene in clinically isolated bacterial strains.
Biochem. Biophys. Res. Commun., 219 (1): 266-272.
- Kendall, B.J. and Marshall, B.J. (1993):**
The coming age of *Helicobacter pylori*.
Contemporary internal medicine, 3.
- Khandaker, M.A.; Scott, A.; Eastwood, M.A. (1991):**
Do teeth predispose to duodenal ulcer relapse?
Gut, 1991; 32: A 1207.
- Kim, Y.S.; Kennedy, S. and Tauber, M.G. (1995):**
Toxicity of streptococcus pneumoniae in neurons, astrocytes and microglia in vitro. *J. Infect. Dis. May.*, 171 (5): 1363-8.
- King, E. (1957):**
Human infections with vibrio fetus and a closely related vibrio.
J. Infect. Dis., 101: 119-128.
- Klein, G. (1980):**
Viral oncology. New York Raven Press.
- Knapp, R.G. and Miller, M.C. (1992):**
Clinical epidemiology and biostatistics, 1st ed., National Medical Series (NMS), Egyptian edition, MASS Publishing Co.

- Konishi, H.; Ishibashi, M.; Morshed, M.G. and Nakazawa, T. (1992):**
Cytopathic effects of *Helicobacter pylori* on cultured mammalian cells. *J. Med. Microbiol.*, 37: 118-122.
- Kosenum, T.U. and Megraud, F. (1995):**
Diagnosis of *H. pylori*.
Curr. Opin. Gastroenterol. 11 (Supp. 1): 5-10.
- Kosenum, T.U.; Seppala, K.; Sarna, S. and Sipponen, P. (1992):**
Diagnostic value of decreasing IgG, IgA and IgM antibody titers after eradication of *H. pylori*.
Lancet, 339: 893-895.
- Kraskowka, S.; Eaton, K.A.; Rings, D.M. and Morgan, D.R. (1991):**
Gastritis induced by *H. pylori* in gnotobiotic piglets.
Rev. Infect. Dis., 13 (Suppl.6): 681-685.
- Kreuning, J.; Lkindeman, J. and Biemond, I. (1994):**
Relation between IgG and IgA antibody titres against *H. pylori* in serum and severity of gastritis in asymptomatic subjects.
J. Clin. Pathol., 47: 227-231.
- Krienitz, W. (1906):**
Ueber das Auftreten von spirochäten verschiedener form im Mageninhalt bei carcinoma ventriculi. Quoted in: Azon, A.T.R. (1988) *Campylobacter pylori*. In: *Recent advances in Gastroenterology*, Ray Pounder (Ed.). Churchill Livingstone, (Ed.). Great Britain Pg. 225-44.
- Kurose, I.; Granger, D.N. and Evans, D.J.Jr. (1994):**
H. pylori induced microvascular protein leakage in rats: role of neutrophils, mast cells and platelets.
Gastroenterology, 107: 70-79.
- Kushnaryov, V.M.; Redlich, P.N.; Sedmak, J.J.; Lysterly, D.M.; Wilkins, T.D. and Grossberg, S.E. (1992):**
Cytotoxicity of *Clostridium difficile* toxin A for human Colonic and pancreatic carcinoma cell lines. *Cancer- Res. Sep.*, 15; 52 (18): 5096-9.

Labenz, J. and Borsh, G. (1994):

Evidence for the essential role of *H. pylori* in gastric ulcer disease. *Gut*, 35: 19-22.

Labenz, J.; Gyenes, E.; Rhul, G.H. and Borsh, G. (1991):

Amoxicillin-Omeprazole treatment for eradication of *H. pylori*. *Eur. J. Gastroenterol. Hepatol.* 3 (Suppl. 1): 10.

Lage, A.P.; Godfroid, E. and Fauconnier, A. (1995):

Diagnosis of *H. pylori* infection by PCR: Comparison with other invasive techniques and detection of *cag A* gene in gastric biopsy specimens. *J. Clin. Microbiol.*, 33 (10): 2752-2756.

Lambert, J.R. (1991):

Clinical indication and efficacy of CBS. *Scand. J. Gastroenterol. Suppl.*, 185: 13-21.

Lammli, U.K. (1970):

Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature*, 227: 680-685.

Langenberg, M.L.; Tytgat, G.N.J. and Schipper, M.E.I. (1984):

Campylobacter like organisms in the stomach of patients and healthy individuals. *Lancet*, 11: 1348.

Langenberg, M.L.; Rauws, E.A.J. and Schipper, M.E.I. (1985):

The pathogenic role of gastric *Campylobacter*, like organisms (GCLO's) in GCLO- associated gastritis, studied by attempts to eliminate these organisms. (abst. 98). *Public Health Laboratory Service*; 162-3.

Langenberg, W.; Rauws, E.A. and Oudbier, J.H. (1990):

Patient-to patient transmission of *Campylobacter pylori* infection by fiberoptic gastroduodenoscopy and biopsy. *J. Infect. Dis.*, 161: 507-511.

Lee, A.; Fox, J. and Hazell, S. (1993):

Pathogenicity of *Helicobacter pylori*: a prespective. *Infect. Immun.*, 61: 1601-1610.

Lee, A. and Chen, M.H. (1994):

Successful immunization against gastric infection with *H. pylori* species: use of a cholera toxin B subunit Whole-cell vaccine. *Infect. Immun.*, 6: 3594-3597.

- Lennette, E.H. and Schmidt, N.J. (1979):**
Diagnostic procedures for viral, rickettsial and chlamydial infections. American Public Health Association, Washington DC.
- Leslie Collier and John Oxford (1993):**
Propagation of viruses in the laboratory. In: Human Virology (A text for students of medicine dentistry and microbiology. Oxford University Press, 30-37.
- Leunk, R.D.; Johnson, P.T.; David, B.C.; Kraft, W.G. and Morgan, D.R. (1988):**
Cytotoxic activity in broth culture filtrates of *Campylobacter pylori*. J. Med. Microbiol., 26: 93-99.
- Lewis, S.; Bearshall, K. and Haddad, G. (1989):**
Campylobacter pylori and duodenal ulcers. The gastrin. Link Lancet, 1: 1167.
- Logen, R.P.; Polson, R.J. and Misiewicz, J.J. (1991):**
Simplified single sample ¹³ carbon urea breath test for *H. pylori*: comparison with histology, culture and ELISA serology. Gut, 32 (12): 1461-1464.
- Lotterer, E.; Ramaker, J. and Ludlke, K.E. (1991):**
The simplified ¹³C urea breath test: one point analysis for detection of *H. pylori* infection. Gastroenterol., 29 (11): 590-594.
- Loy, C.T.; Iruing, L.M.; Katelaris, P.H. and Talley, N.J. (1996):**
Do commercial serological kits for *H. pylori* differ in accuracy? A meta analysis. Am. J. Gastroenterol., 91 (6): 1138-1144.
- Luck, J. and Seth, T. (1924):**
Gastric urease. Biochem. J., 18: 1227-1231.
- Luke, C.J. and penn C.W. (1995):**
Identification of 29 Kda Flagellar sheath protein in *H. pylori* using a murine monoclonal antibody. Microbiology, 141 : 597-604.
- Lyerly, D.M.; Saum, K.E.; MacDonald, D.K. and Wilkins, T.D. (1985):**
Effects of *clostridium difficile* toxins given intragastrically to animals. Infect. Immun., 47 : 349 – 52.
- Mackie and MacCartney (1996):**
Practical Medical Microbiology Edited by: Collee J.G. and Fraser A.G. 14th ed. Churchill Livingstone, Vol. I: 781-798.

Madan, E. and Kemp, J. (1988):

Evaluation of staining methods for identification of *H. pylori*.
Am. J. of Clinical Pathol., 90: 1450-3.

**Maeda, S.; Ogura, K.; Yoshida, H.; Kanai, F.; Ikenoue, T.; Kato, N.;
Shiratori, Y. and Omata, M. (1998):**

Major virulence factors, Vac A and Cag A, are commonly
positive in *Helicobacter pylori* isolates in Japan. Gut, 42: 338-
343.

Mahida, Y.R.; Makh, S.; Hyda, S.; Gray, T. and Borriello, S.P. (1996):

Effects of clostridium difficile toxin A on human intestinal
epithelial cells: induction of interleukin-8 production and
apoptosis after cell detachment. Gut, 38: 337-347.

Malaty H.M and Graham D.Y. (1991):

Transmission of *Helicobacter Pylori*.
Infection: scand Jcastro, 26 : 927- 32.

Malaty, H.M. and Graham, D.Y. (1994):

Importance of childhood socioeconomic status on the current
prevalence of *Helicobacter pylori* infection. Gut. 35 (6): 742-5.

Malaty, H.M.; Kim, J.G.; Kim, S.D. and Graham, O.Y. (1996):

Prevalence of *Helicobacter pylori* infection in korean children:
Inverse relation to socioeconomic status despite a uniformly
high prevalence in adult. Am. J. Epidemiol., 143 (3): 257-62.

Malik, P.; Sharma, V.D. and chandra, R. (1995):

Cytotoxigenicity in salmonella serovars. Indian, J. Exp. Biol.
Mar., 33 (3): 177-81.

**Malorni, W.; Paradisi, S.; Dupuis, M.L.; Fiorentini, C. and Ramoni, C.
(1991):**

Enhancement of cell-mediated cytotoxicity by clostridium
difficile toxin A: an in vitro study. Toxicon., 29 (4-5): 417-28.

Marchetti, M.; Arico, B. and Burroni, D. (1995):

H. pylori infection in a mouse model that mimics human disease. Science, 267: 1655-1658.

Marchini, A.; Massari, P.; Manneti, R. and Oliveri, R. (1994):

Optimized conditions for the fermentation of H. pylori and production of vacuolating cytotoxin. FEMS Microbiol. Lett, Nov. 15; 124 (1): 55-9.

Marshall, B.J (1983):

Unidentified curved bacilli on gastric epithelium on active chronic gastritis. Lancet, 1: 1273.

Marshall, B.J. (1994):

Helicobacter pylori.
Am. J. Gastroenterol., 89: S116-S128.

Marshall, B.J., (1985):

H. pylori infection and gastroduodenal diseases.
Med. J. Aust. 142 : 439.

Marshall, B.J., (1988):

Gastric mucosal biopsy : An essential investigation in patients with dyspepsia. Am. J. Gastroent. Vol. 83, No 5: 479- 481.

Marshall, B.J. and Warren, J.R. (1984):

Unidentified curved bacilli in the stomach of patients with gastritis and peptic ulceration. Lancet, 1: 1311.

Marshall, B.J.; Warren, J.R.; Graham, J. (1987):

Rapid urease test in the management of campylobacter pyloridis associated gastritis. The Amer. J. Gastroenterol., 82: 200-10.

Marshall, B.; Warren, R.; Francis, G.; Lkangton, S.; Goodwin, C. and Blicow, E. (1987):

Rapid urease test in the management of CP associated gastritis. Am. J. Gastroenterol., 32: 200-210.

- Marshall, B.; Goodwin, C.S. and Warren, J.R. (1988):**
Prospective double-blind trial of duodenal ulcer relapse after eradication of CP. *Lancet*, 2: 1437-1442.
- Mascini, E.; Bechi, P. and Dei, R. (1994):**
H. pylori potentiate histamine release from rat serosal mast cells induced by bile acids. *Dig. Dis. Sci.*, 39: 1493-1500.
- McMullen, L.; Walker, M.M. and Bain, L.A. (1987):**
Histological identification of Campylobacter using Gimenez technique in gastric antral mucosa. *J. Clin. Pathol.*, 40: 464-5.
- McNulty, C.A.M. and Watson, D.M. (1984):**
Spiral bacteria of the gastric antrum. *Lancet*, 1: 1068.
- McNulty, C.A.M. and Dent, J.C. (1987):**
Campylobacter pylori: an update. *J. Clin. Microbiol.*, 25: 1683.
- Melby, E.L.; Jacobsen, J.; Olsnes, S. and Sandvig, K. (1993):**
Entry of protein toxins in polarized epithelial cells. *Cancer Res. Apr.*, 53 (8): 1755-60.
- Mendall, M.A.; Goggin, P.M. and Molinacaus, N. (1994):**
Relation of H. pylori infection and coronary heart disease. *Br. Heart J.*, 41: 437.
- Mendall, M.A.; Patel, P. and Ballom, L. (1996):**
C-reactive protein and its relation to cardiovascular risk factors. *BMJ*, 312 (7038): 1049.
- Michetti, P.; Cortesy, I.; Davin, C. and Blum, A.L. (1994):**
Immunization of BALB/c mice against h. felis infection with H. pylori urease. *Gut*, 107: 1002-11.
- Miragliotta, C.; Fumarola, D. and Mosca, A. (1989):**
Campylobacter pylori-associated gastritis and procoagulant activity production. American Society for Microbiology Annual Meeting abstract, B222.

- Mitchell, H.M.; Bohne, T.D. and Berkoicz, J. (1987):**
Antibody to H. pylori in families of index children with gastrointestinal illness due to H. pylori. *Lancet*, ii: 618-20.
- Mitchell, H.M.; Hazell, S.L. and Kolesnikow, T. (1996):**
Antigen recognition during progression from acute to chronic infection with a cag A positive strain of H. pylori. *Infect. Immun.*, 64 (4): 1166-1172.
- Moayyeidi, P.; Tompkins, D.S. and Axon, A.T. (1994):**
Salivary antibodies to H. pylori: screening dyspeptic patients before endoscopy. *Lancet*, 344: 1016-1017.
- Mobley, H.L.T.; Cortesia, M.J.; Rosenthal, L.E. and Jones, B.D. (1988):**
Characterization of urease from campylobacter pylori. *J. Clin. Microbiol.*, 26:831-836.
- Moffat, M.A.J. (1973):**
Some cell culture procedures in diagnostic medical virology. In: Kruse PF, Paterson MK (eds) *Tissue culture methods and applications*. Academic Press, New York, PP 611-617.
- Mohamed, A.E.; Al-Karawi, a. and Al-Jumah, A. (1994):**
H. pylori: Incidence of comparison of three diagnostic methods in 196 Saudi patients with dyspepsia. *Hepatogastenterol.*, 41: 48-50.
- Monath, T.P.; Thomas, W. and Weltzin, R.A. (1994):**
Progress towards a vaccine against H. pylori. *Am. J. Gastroenterol.*, 89: 1380-1383.
- Montgomery, E.A.; Martin, D.F. and Peura, D.A. (1988):**
Rapid diagnosis of H. pylori by Gram's stain. *Am. J. Clinical Pathol.*, 90: 606-9.
- Moran, A.P. (1995):**
Cell surface characteristics of H. pylori. *Fems Immunol. Med. Microbiol.*, 10: 271-80.
- Moran, A.P. and Wadstrom, T. (1994):**
Bacterial pathogenic factors. *Curi. Opin. Gastroenterol.*, 10 (Suppl. 1): 17-21.

- Morris, A.; Maher, K. and Thomson, L. (1987):**
Ingestion of *H. pylori* causes gastritis and raised facing gastric P.H. *Am. J. Gastroenterol.*, 82: 192-9.
- Naga, M.; El-Kassas, M. and Gouban, H. (1994):**
Are immune complexes formed in the presence of *H. pylori* infection in chronic gastritis responsible for the development of gastric erosions? *Egyptian J. Int. Med.*, 3: 105-114.
- Negrini, R.; Lisato, L. and Zanella, I. (1991):**
H. pylori infection induces antibodies cross-reacting with human gastric mucosa. *Gastroenterology*, 101: 437-445.
- Neilsen, H.; Birkholz, S.; Andersen, L.P. and Moran, A.P. (1994):**
Neutrophils activation by *H. pylori* lipopolyysaccharides. *J. Infect. Dis.*, 170: 135-139.
- Nelson, N. (1992):**
Organellar proton-ATPase. *Curr. Opin. Cell Biol.*, 4: 654-660.
- Nelson-Rees, W.A.; Daniels, D.W. and Flandermeyer, R.R. (1981):**
Cross-contamination of cells in culture. *Science*, 212: 446-452.
- Nerdud, J.; Blanchard, T.; Czinn, S. and Lycke, N. (1995):**
Recombinant cholera toxin B subunit is not an adjuvant for oral immunization against *H. felis* in mice. *J. Cell. Biochem. Suppl.* 19A: 261.
- Neri, M.; Susi, D. and Bovani, I. (1994):**
Bacterial mucosal infiltration in *H. pylori*-associated gastritis: histological and clinical consequences. *Am. J. Gastroenterol.*, 89: 1801-1805.
- Ngk, A.; Sherbutne, R.; Taylor, D. and Siles, M. (1985):**
Morphological forms and variability of campylobacter species studied by electron microscopy. *J. Bacteriol.*, 164 (1): 338-343.
- Niemela, S.; Korthunen, T. and Lehtola, S. (1987):**
Campylobacter like-organisms in patients with peptic ulcer. *Med. J. Aust.*, 122:24.

- Noach, L.A.; Bosma, N.B.; Jansen, J.; Hoek, F.J.; Vandeventer, S.J.H. and Tytgat, G.N.J. (1994):*
Mucosal tumor necrosis factor- α , interleukin-1 β , and interleukin-8 production in patients with *Helicobacter pylori* infection. *Scand. J. Gastroenterol.*, 29: 425-429.
- Novis, B.H.; Gabay, G.; Leichtmann, G.; Peri, M.; Bernheim, J. and Pomeranz, I.S. (1991):*
Diagnosis of Hp infection. *Lancet*, 50 (1): P. 16-21.
- O'Connor, H.J. (1994):*
The role of *Helicobacter pylori* in peptic ulcer disease. *Scandinavian Journal of Gastroenterology* Volume 29, Supplement, 201: 11-15.
- Oderda, G.; D'alesandro, M. and Mariano, P. (1993):*
Prostaglandin E2 in gastric mucosa of children with *H. pylori* gastritis: relation to thickness of mucous gel layer. *J. Clin. Pathol.*, 46: 836-839.
- Ogura, K.; Kanai, F.; Maeda, S.; Yoshida, H.; Ogura, M. and Omata, M. (1997):*
High prevalence of cytotoxin positive *Helicobacter pylori* in patients unrelated to the presence of peptic ulcers in Japan. 41: 463-468.
- Olivieri, R.; Bungoli, M. and Armellini, D. (1993):*
Growth of *H. pylori* in media containing cyclodextrins. *J. Clin. Microbiol.*, 31: 160-162.
- Osturk, H.; Senocak, M.E.; Uzunalimoglu, B.; Hascelik, G.; Bugukpamukcu, N. and Hisconmez, A. (1996):*
Helicobacter pylori infection in symptomatic and asymptomatic children: a prospective clinical study. *Eur. J. Pediatr. Surgery*, 6 (5): 265-9.
- O'Toole, P.W.; Kostrzynska, M. and Trust, T.J. (1994):*
Non-motile mutants of *H. pylori* and *H. mustale* defective in flagellar hook production. *Mol. Microbiol.*, 14: 691-703.
- Pambiano, D.J. (1988):*
Gastritis in the rectum: *H. pylori*-like organisms in heterotopic inflamed gastric mucosa. *Gastroenterology*, 94 (Abstr.) 340.

Papini, E.; Gottardi, E.; Stain, B.; de-Bernard, M.; Massari, P.; Telford, J.; Rappuoli, R.; Sato, S.B. and Montecucco, C. (1996):

The small GTP binding protein rab7 is essential for cellular vacuolation induced by *Helicobacter pylori* cytotoxin. *EMBO J.*, 16: 15-24.

Papini E, Satin B. and Bucci C, (1997):

The small GTP Binding protein rab7 is essential for cellular vacuolation induced by *helicobacter pylori* cytotoxin. *EMBO J.*; 16 : 15- 24.

Parsonett, J.; Fridman, G. and Vandersteen, D.P. (1991):

Helicobacter pylori infection and the risk of gastric carcinomas. *N. Engl. J. Med.*, 325: 1127-35.

Parsonnet, J.; Hansen, S. and Rodriguez, L. (1994):

H. pylori infection and gastric lymphoma. *N. Eng. J. Med.*, 330: 1267-1271.

Patel, P.; Carrington, D. and Strachan, D.P. (1994b):

Fibrinogen a link between chronic infection and coronary heart disease. *Lancet*, 343: 1634.

Patel, P.; Mendall, M.A. and Khulusi, S. (1994c):

Salivary antibodies to *H. pylori*: screening dyspeptic patients before endoscopy. *Lancet*, 344: 511-512.

Pathak, C.M.; Bhasin, D.K.; Panigrahi, D. and Goel, R.C. (1994):

Evaluation of ¹⁴C urinary excretion and its comparison with ¹⁴CO₂ in breath after ¹⁴C urea administration in *H. pylori* infection. *Am. J. Gastroenterol.*, 89: 734-738.

Paul, J. (1970):

Cell and tissue culture, 4th edn. Livingstone, Edinburgh.

Perlman, D. (1979):

Use of antibiotics in cell culture media. In: Jakoby W.B., Pastan, I.H. (eds.) *Methods in Enzymology*, Vol. 58. Academic Press, New York, PP 110-116.

- Peek, R.M.J.; Miller, G.G. and Tham, K.T. (1995):**
Detection of *H. pylori* gene expression in human gastric mucosa. *J. Clin. Microbiol.*, 33: 28-32.
- Perez-Garcia, J.I.; Pajares-Garcia, J.M. and Jimenez-Alonso, I. (1996):**
C13 urea breath test in the diagnosis of *H. pylori* infection in the gastric mucosa: validation of the method.
Rev. Resp. Enferm. Dig., 88 (3): 202-208.
- Pettit, R.K.; Ackermann, M.R. and Rimler, R.B. (1993):**
Receptor-mediated binding of *pasteurella multocida* dermonecrotic toxin to canine osteosarcoma and monkey kidney (vero) cells. *Lab. Invest.*, 69 (1): 94-100.
- Peura, D.A.; Pambianco, D.J. and Dye, K.R. (1996):**
Microdose ¹⁴C urea breath test offers diagnosis of *H. pylori* in 10 minutes. *Am. J. Gastroenterol.*, 91 (2): 233-238.
- Phadnis, S.H.; Ilver, D. and Janzon, L. (1994):**
Pathological significance and molecular characterization of the vacuolating toxin gene of *H. pylori*.
Infect. Immun., 62: 1557-1565.
- Phall, P.S.; Gower, J.D. and Price, A.B. (1993):**
Tocopherol anti-oxidant levels in chronic gastritis. *Gut*, 34:133.
- Pickett, C.L.; Cottle, D.L.; Pesci, E.C. and Bksh, G. (1994):**
Cloning, Sequencing, and expression of *Escherichia coli* cytolethal distending toxin genes. *Infect. Immun.* Mar., 62 (3): 1046-51.
- Ploier, R.; Rezanka, E. and Emhofer, J. (1995):**
Predictive value of latex agglutination on *H. pylori* in children with abdominal pain. *Klin. Padiatr.*, 207 (1): 8-11.
- Pool-Zobel, B.L.; Neudecker, C.; Domizlaff, I.; Ji, S.; Schillinger, U.; Rumney, C.; Moretti, M.; Vilarini, I.; Scassellati-Sforzolini, R. and Rowland, I. (1996):**
Lactobacillus and *bifidobacterium*-mediated antigenotoxicity in the colon of rats. *Nutr. Cancer*, 26 (3): 365-80.
- Price, A.B. and Davies, D.R. (1977):**
Pseudomembranous colitis. *J. Clin. Pathol.*, 30: 1-12.

- Price, Levi and Dolby (1985):**
C. pyloridis in peptic ulcer disease. Microbio., Path. And Scanning electron microscopy. Gut, 26: 1183-8.
- Pudymaitis, A.; Armstrong, G. and Lingwood, C.A. (1991):**
Verotoxin-resistant cell clones are deficient in the glycolipid globotriosylceramide: differential basis of phenotype. Arch. Biochem. Biophys. May, 1: 286 (2): 448-52.
- Pudymaitis, A. and Lingwood, C.A. (1992):**
Susceptibility to verotoxin as a function of the cell cycle. J. Cell Physiol. Mar., 150 (3): 632-9.
- Raisanen, S. and Sodervik, H. (1989):**
Colonization of gastric lesions by urease-positive bacteria. Am. J. Clin. Pathol., 90: 749-50.
- Raju G.S.; Smith M.J.; Morton D. and Bardhan K.D. (1994):**
Mini dose 14C urea breath test for the detection of H.pylori. Am. J. Gastroenterol. 89 : 1027 - 1030.
- Ramegowda, B. and Tesh, V.L. (1996):**
Differentiation-associated toxin receptor modulation, cytokine production, and sensitivity to shiga-like toxins in human monocytes and monocytic cell lines. Infect. Immun. Apr., 64 (4): 1173-80.
- Rathbone, B.J.; Wyett, J.J. and Worsley, B.W. (1986):**
Systemic and local antibodies responses to gastric Campylobacter pylori in non-ulcer dyspepsia. Gut, 27: 642-7.
- Rauws, E.A.J. and Tytgat, G.N.G. (1989):**
Campylobacter pylori. W.C. den Quden, Gist-Bocadis (Ed.) Amsterdam.
- Rawles, J.W.; Paull, G. and Yardley, J.H. (1986):**
Gastric-Campylobacter-like organisms in a U.S. Hospital population. Gastroenterology, 90 (Abstract): 1599.
- Rawles, J.W.; Harris, M.L. and Alexander, S.A. (1987):**
Antibody to C-pyloridis in endoscopy personnel, patients and controls. Gastroenterology, 92 (ab.& tr.) 1589.
- Rebora, A.; Drago, F. and Parodi, A. (1995):**
May H. pylori be important for dermatologist. Dermatology, 191 (1): 6-8.

- Reinaurer, S.; Megahed, M. and Goetz, G. (1995):**
Henoch-Shonlein purpura associated with gastric H. pylori infection. J. Am. Acad. Dermatol., 33: 876.
- Rivera, E.; Lopez-Vidal, Y.; Luqueno, V. and Ruiz-Palacios, G.M. (1991):**
Indirect immunofluoresence assay for detection of H. pylori in human gastric mucosal biopsies. J. Clin. Microbiol., 29(8): 1748-1751.
- Robert, A. Ganz (1997):**
Helicobacter pylori infection: overview of a common cause of gastrointestinal problems. The Medical Journal of Allina, 6 (3):1-6.
- Rogge, J.D.; Wagner, D.R. and Carrigo, R.J. (1995):**
Evaluation of a new urease reagent strip for detection of H. pylori in gastric biopsy specimens. Am. J. Gastroenterol., 90 (1): 1965-1968.
- Rokkas, T.; Pursey, C. and Uzechina, E. (1987):**
Campylopecter pylori and non ulcer dyspepsia.
American. Journal of Gastroenterology, 82 : 1149-52.
- Roosendal, R.; Kuipers, E.J. and Van Den Brule, A.J.C. (1994):**
Importance of the fiberoptic endoscope cleaning procedure for detection of H. pylori in gastric biopsy specimens by PCR.
J. Clin. Microbiol., 32: 1123-1126.
- Rowland, M.; Lambert, I.; Garmally, S.; Daly, L.E.; Thomas, J.E.; Hetherington, C.; Durnin, M. and Drumm, B. (1997):**
Carbon 13 labeled urea breath test for the diagnosis of Helicobacter pylori infection in children. J. Pediatr., 131 (5): 815-20.
- Salmon (1896):**
Qued in Axon, A.T.R. (1988); H. pylori. In recent advances in Gastroenterology, Ray Pounder, (Eds.), Great Britain, P. 225-44.

Sarosdy, M.F.; Hutzler, D.H.; Yee, D. and Von-Hoff, D.D. (1993):

In vitro sensitivity testing of human bladder cancers and cell lines to TP-40 a hybrid protein with selective targeting and cytotoxicity. J. Urol. Dec., 150 (6): 1950-5.

Scott, A.M.; Kellow, J.E. and Shuter, B. (1993):

Intragastric distribution and gastric emptying of solids and liquids in functional dyspepsia and liquids in functional dyspepsia and H. pylori associated gastritis. Dig. Dis. Sci., 38(12): 2247-2254.

Schaffer, G.; Stark, R. and Greenman, J. (1994):

Glucose metabolism by H. pylori. Microbiology, 140: 2179.

Schmitt, W. and Hass, R. (1994):

Genetic analysis of the Helicobacter pylori vaculating cytotoxin: structural similarities with the IgA protease type of exported protein. Mol. Microbiol., 12: 307-19.

Sebald, M. and Veron, M. (1963):

Classification of vibrios. Ann. Int. Med., 105: 897-899.

Seery, J.P. (1991):

Achlorhydria and gastric carcinogenesis.
Lancet, 2: 1508-1509.

Shabib S.; Laxer R.; and Silverman E., (1994):

Seroprevalence of H.pylori infection is not increased in pediatric inflammatory arthritis. J. Rheumatol. 21 (8): 1548.

Sharma, S.A.; Tummuru, M.K.R. and Blaser, M.J. (1994):

Characterization of gastric IL-8 induction by H. pylori.
Am. J. Gastroenterol., 89: 1346.

Sharma, S.A.; Miller, G.G. and Perez-Perez, G.I. (1994):

Humoral and cellular immune recognition of H. pylori proteins are not concordant. Clin. Exp. Immunol., 97: 126-132.

Skirrow, M. (1977):

Campylobacter enteritis, A New Disease. Br. Med. J., 2:9-11.

Skirrow, M. (1982):

Campylobacter enteritis. J. Hyg. Camb., 89: 175-184.

- Smibert, R. (1974):**
Campylobacter in: Bergey's manual of determinative bacteriology, 8th ed. Ed: Buchann, R.E. and Gibbons, N.E., Williams and Wilkins Company, Baltimore, P. 207-212.
- Smita, A.; Sharma, Murali, K.R.; Tummuru, Geraldine, G.; Miller and Martin, J. Blaser (1995):**
Interleukin-8 response of gastric epithelial cell lines to Helicobacter pylori stimulation in vitro. Infect. Immun., 63: 1681-1687.
- Smoot, D.T.; Resau, J.H.; Earlington, M.H. (1996):**
Effects of Helicobacter pylori vacuolating cytotoxin on primary cultures of human gastric epithelial cells. Gut., 39: 795-799.
- Sobala, G.M.; Schorah, C.J. and Shires, S. (1993):**
Effect of eradication of H. pylori on gastric juice ascorbic acid concentrations. Gut., 34: 1038-1041.
- Soll, A.H. (1996):**
Medical treatment of peptic ulcer disease. Practice guidelines JAMA, 275: 622-9.
- Soltesz, V.; Zeeberg, B. and Wadstrom, T. (1992):**
Optimal survival of Helicobacter pylori under various transport conditions. J. Clin. Microbiol., 30: 1453-6.
- Stanley, M.A. and Parkinson, E.K. (1979):**
Growth requirements of human cervical epithelial cells in culture. International Journal of Cancer, 24: 407-414.
- Stark, R.M.; Suleiman, M.S.; Hassan, I.J. and Millor, M.R. (1997):**
Amino acid utilization and deamination of glutamine and asparagine by H. pylori. J. Med. Microbiol., 46: 793-800.
- Sternberg, A.; Coscas, D.; Wagner, Y.; Austlander, L.; Koufshtein, M. and Fireman, Z. (1997):**
Comparison of various Helicobacter pylori detection methods. Serology, histology and bacteriology. Isr. J. Med. Sci., 33(3): 160-3.

- Stotle, M.; Edit, S.; Bgyerdorffer, E. and Fisher, R. (1994):**
H. pylori associated gastric lymphomas quoted from Hunt R.H. and Tytgat G.N.J., eds. *Helicobacter pylori: Basic Mechanisms to Clinical Cure*. Dodrecht Kluwer Academic Publishers, PP. 498-503.
- Strik, P.R. and Griffiths, P.D. (1987):**
Journal of Medical Virology, 21: 329.
- Suerbaum, S.; Leying, H. and Klemm, K. (1991):**
Antibacterial activity of pantoprazole and omeprazole against H. pylori. *Eur. J. Clin. Microbiol. Infect. Dis.*, 10: 92-93.
- Suerbaum, S.; Schmitz, A.; Josenhans, C. and Labigne, A. (1994a):**
Cloning, sequencing and mutagenesis of H. pylori fla A gene: a homologue of the IcrD/FCbF/inv A family of genes associated with motility and virulence. *Am. J. Gastroenterol.*, 89: 1331.
- Suerbaum, S.; Thiberge, J.M. and Kansau, I. (1994b):**
H. pylori hspA-hspB heat-shock gene cluster: nucleotide sequence, expression. *Mol. Microbiol.*, 14: 959-974.
- Talley, N.J. and Piper (1985):**
Association of anxiety, Neuroticism, and depression of dyspepsia of unknown cause: A case-control study. *Gastroenterology*, 90: 886-92.
- Taylor, D.E.; Hargreaves, J.A. and Ng, L.K. (1987):**
Isolation and characterization of *Campylobacter pyloridis* from gastric biopsies. *Am. J. Clin. Pathol.*, 87: 49-54.
- Taylor, N.S.; Fox, J.G. and Yan, L. (1995):**
In vitro hepatotoxic factor in *Helicobacter hepaticus*, *Helicobacter pylori* and other *Helicobacter* species. *J. Med. Microbiol.*, 42: 48.
- Tee, W.; Fairley, S.; Smallwood, R. and Dwyer, B. (1991):**
Comparative evaluation of three selective media and a non-selective medium for culture of H. pylori from gastric biopsies. *J. Clin. Microbiol.*, 29 (11): 2587-2589.

- Telford, J.L.; Ghiara, P. and Dellocro, M. (1994):**
Gene structure of the cytotoxin and evidence of its key role in gastric disease. *J. Exp. Med.*, 179: 1653-1658.
- Testoni, O.P.A.; Bagnolo, F. and Mosci, E. (1993):**
Different inter digestive antro duodenal motility pattern in chronic antral gastritis with and without *H. pylori* infection. *Dig. Dis. Sci.*, 38(12): 2255-2261.
- Theuer, C.P.; Fitzgerald, D.J. and Pastan, I. (1993):**
A recombinant from of pseudomonas exotoxin. A containing transforming growth factor alpha near its carboxyl terminus for the treatment of bladder cancer. *J. Urol. Jun.*, 149 (6): 1626-32.
- Thomas, J.E.; Whatanare, A.M. and Barrer, M.R. (1990):**
Sero diagnosis of Helicobacter infection in children. *J. Clin. Microbiol.*, 28: 2641-6.
- Thomas, J.E.; Gibson, G.R. and Darboe, M.K. (1992):**
Isolation of *H. pylori* from human faceces. *Lancet*, 340: 1194-1195.
- Thomas, J.E. and Pertolani, S. (1994):**
Epidemiology of the infection. *Curr. Opin. Gastroenterol.*, 10 (Suppl. 1): 6-11.
- Thompson, L.M.; Simbert, R.M.; Johnson, J.L. and Krieg, N. (1988):**
Phylogenetic study of the genus *Campylobacter*. *Int. J. Syst. Bacteriol.*, 38: 190-200.
- Thoreson, A.C.; Borre, M.B. and Anderson, L.P. (1995):**
Development of a PCR-based technique for detection of *H. pylori*. *FEMS-Immunol. Med. Microbiol.*, 10 (3-4): 325-333.
- Tooz, J. (1980):**
Molecular biology of tumor viruses, 2nd ed. Part 2 DNA tumor viruses. Goldspring Harbor N.Y. Cold Spring Harbor Laboratory.
- Topley, D. and Wilson, J. (1998):**
Microbiology and Microbial infections. Editors, Albert Balbus and Brain Duerden, Ninth edition, vol. 2, 1247-1256.

- Totten, P.; Fennell, C.; Tenover, F.; Wezenberg, P.; Perine, P.; Stamm, W. and Holmes, K. (1985):**
Campylobacter cinaedi (sp. Nov) and campylobacter fennelliae (sp. Nov.). Two new campylobacter species associated with enteric disease in homosexual men. J. Infect. Dis., 151: 131-139.
- Trallero, E.P.; Montes, M. and Alcorta, M. (1995):**
Non-endoscopic method to obtain H. pylori for culture. Lancet, 345: 622-23.
- Triadafilopoulos, G.; Pothoulakis, C.; O'Brien, M.J. and LaMont, T.J. (1987):**
Differential effects of clostridium difficile toxins A and B on rabbit ileum. Gastroenterology, 93: 273-9.
- Tucker, K.D.; Carrig, P.E. and Wilkins, T.D. (1990):**
Toxin A of clostridium difficile is a potent cytotoxin. J. Clin. Microbiol. May., 28 (5): 869-71.
- Tufano, M.A.; Rossano, F. and Catalonetti, P. (1994):**
Immunobiological activities of H. pylori porins. Infect. Immun., 62: 1392-1399.
- Tummuru, M.K.R.; Cover, T.L. and Blaser, M.J. (1993):**
Cloning and expression of a high molecular mass major antigen of H. pylori: evidence of linkage to cytotoxin production. Infect. Immun., 61: 1799-1809.
- Tummuru, M.K.R.; Cover, T.L. and Blaser, M.J. (1994):**
Mutation of the cytotoxin-associated cag A gene does not affect the vacuolating cytotoxin activity of H. pylori. Infect. Immun., 62: 2609-2613.
- Tyrrell, D.A.J. and Bynoe, M.L. (1965):**
Cultivation of a novel type of common-cold virus in organ cultures. British Medical Journal, 1: 1467-1470.
- Tytgat, G.N.J. (1989):**
Campylobacter pylori past, present, and future. ADIS Press (ed.): Spain.

- Tytgat, G.N.J. (1994):**
Treatments that impact favourably upon the eradication of H. pylori and ulcer recurrence.
Aliment. Pharmacol. Ther., 8: 359-368.
- Tytgat, G. and Rauws, E. (1987):**
Significance of Campylobacter pylori. Alimen. Pharmacol. Therap., 1: 5275.
- Tytgat, G.N.J. and Rauws, E. (1988):**
Longterm follow up of H. pylori gastritis after treatment with colloidal bismuth subcitrate and/or amoxycillin.
Gastroenterology, 94 (s): (Abstract): 469.
- Valkoenen, K.H.; Wadstrom, T. and Moran, A.P. (1994):**
Interaction of lypopolysaccharides of H. pylori with basement membrane protein lamini. Infect. Immun., 62: 3640-3648.
- Van Der Hulst, R.W; Rauws, E.A and Tytgat, G.N. (1997):**
Prevention of ulcer recurrence after eradication of H. pylori : a prospective long term follow up study. Gut., 113 : 1082-1086.
- Varia, D.; Miglioli, M. and Menegat, T. : (1993):**
Treatment of symptom- Free H. Pylori Positve subject, EUR. J. Gastroenterol. Hepatol., 5/ Suppl. 2 : (S 96- S 98).
- Varia, D.; Migliol, M. and Barbara, L. (1994):**
Prevalence of peptic ulcer in H. pylori positive blood donors.
Gut, 35: 309-312.
- Veron, M and Chatelain R (1973):**
Human infection with campylobacter pylori. International journal of systematic bacteriology 23 : 122.
- Versteeg, J. (1985):**
A colour atlas of virology walf medical London.
- Voller, A.; Bidwell, D.E. and Bartlett, A. (1982):**
In Howard CR (ed) New developments in practical virology.
Alan R. Liss, New York, P. 59.

Vollmers, H.P.; Dammrich, J. and Ribbert, H. (1994):

Human- monoclonal antibodies from stomach carcinoma patients react with H. pylori and stimulate cancer cells in vitro. Cancer, 74: 1525-1532.

Wagner, S.; Bell, W. and Mai, E.U.H. (1994):

Interaction between H. pylori and human gastric epithelial cells in culture: effect of anti-ulcer drugs. Pharmacology, 49: 226-237.

Walters, L.L.; Budin, R.E. and Paull, G. (1986):

Acridine-Orange to identify C. pyloridis in Formaline fixed paraffin-embedded gastric biopsies. Lancet, I: 42.

Warren, J. (1983):

Unidentified curved bacillus on gastric epithelium in active chronic gastritis. Lancet, 1: 1274.

Warren, J.R. and Marshall, B.J. (1983):

Unidentified curved bacilli on gastric epithelium in active chronic gastritis. Lancet, 1: 1237.

Webb, P.M.; Knight, T.; Greaves, S.; Wilson, A.; Newell, D.G. and Elder, J. (1994):

Relation between infection with Helicobacter pylori and living conditions in childhood evidence for person to person transmission in early life. BMJ 398: 750-3.

Weiss, J.; Mecca, J.; Da Silva, E. and Gassener, D. (1994):

Comparison of PCR and other diagnostic techniques for detection of H. pylori infection in dyspeptic patients. J. Clin. Microbiol., 32: 1663-1668.

Westblom, T.; Madan, E.; Midkiff, B. (1991):

Egg yolk emulsion agar, a new medium for cultivation of Helicobacter pylori. J. Clin. Microbiol., 29: 819-21.

Westblom, T.U.; Phadnis, S.; Yang, P. and Czinn, S.J. (1993a):

Diagnosis of H. pylori infection by means of PCR assay for gastric juice aspirates. J. Clin. Infect. Dis., 16: 367-371.

- Wotherspoon, A.C.; Doglioni, G. and Diss, T.C. (1993):*
Regression of primary low-grade B-cell gastric lymphoma of mucosa associated lymphoid tissue after eradication of H. pylori. *Lancet*, 342: 575-577.
- Wyatt, J.; Rathbone, B. and Dixon, M. (1987):*
Campylobacter pylori and acid induced gastric metaplasia in the pathogenesis of duodenitis.
J. Clin. Pathol., 39: 863.
- Xiang, Z.; Bugnoli, M. and Ponzetto, A. (1993):*
Detection in an enzyme immunoassay of an immune response to a recombinant fragment of the 128 kilodalton protein (Cag A) of *Helicobacter pylori*. *Eur. J. Clin. Microbiol. Infect. Dis.*, 12: 739-45.
- Xiang, Z.; Censini, S. and Bayeli, P.F. (1995):*
Analysis of expression of cagA and vac A virulence factors in 43 strains of H. pylori reveals that clinical isolates can be divided into two major types and that cag A is not necessary for expression of the vacuolating cytotoxin.
Infect. Immun., 63: 94-98.
- Zarenba M.; Roskiewicz M.; and Pydzinska J. (1995) :*
Diagnostic value of the latex test (pyloriset) for the detection of H.pylori antibodies in adult patients with upper digestive tract diseases.
Med. Dosw. Mikrobiol. 47 (1) : 11-16.
- Zingales, B. (1984):*
Analysis of protein by sodium dedecyl sulphate-polyacrylamide gel electrophoresis. In: *Genes and Antigens of Parasites*. Ed. G.M. Morel, Brazil, PP 357-372.