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Observational Study

Changes with aging in gastric biomarkers levels and in biochemical factors associated to *Helicobacter pylori* infection in asymptomatic Chinese population

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Abstract

AIM

To observe changes in gastric biomarker levels with age and effects of *Helicobacter pylori* (*H. pylori*) infection in a healthy population, and explore

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24 Sep 2010 ... Reducing the morbidity and mortality associated with gastric cancer requires In addition, affecting factors (H. pylori infection status, gender, age, ... Thus, the serum PG I level as well as the PG I/II ratio, were positively Serum pepsinogen test as a biomarker of atrophic gastritis and intestinal metaplasia.

[Combination of OipA, BabA, and SabA as candidate biomarkers for ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5098209/)

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7 Nov 2016 ... To identify H. pylori-related GC biomarkers with high seropositivity in GC patients, differences in levels of protein expression between H. pylori from GC and ... Although the majority of infected patients remain asymptomatic, H. pylori infection is ... Several virulence factors of H. pylori may contribute to gastric ...

[Helicobacter pylori and Gastric Cancer: Factors That Modulate ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2952980/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2952980/>

Infection with H. pylori is the strongest known risk factor for gastric cancer, which is and pathological changes reported for transgenic CagA mice occurred in the ... East Asian strains are almost all vacA s1/m1 and, as predicted, are not associated In Portuguese and Thai populations, babA2 is not a biomarker for peptic ...

[\[PDF\] Epidemiology of Helicobacter pylori Infection - European ...](http://www.helicobacter.org/content/publications/2014/HeYiH2014.pdf)

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The age-specific gradient in H. pylori prevalence Helicobacter pylori infection in asymptomatic people in South Korea. ... cobacter pylori infection and pathological changes in the gastric ... er pylori reinfection rate and its associated factors in Korea. Heli- non-invasive biomarkers for detection of high risk for early.

[The benefit of mass eradication of Helicobacter pylori infection: a ...](#)

Changes in Gastric Biomarker Levels with Age in a Healthy Chinese Population

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[Effects of Helicobacter pylori infection and smoking on gastric ... - NCBI](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2904855/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2904855/>

Between 1985 and 2005, age-standardized gastric cancer incidence among Chinese ... If past risk factor trends continue, gastric cancer incidence will decline an ... Currently, an estimated 58% of the population is infected with *H. pylori* [3], and ... A retrospective mortality study on smoking-related deaths (1905–1929 birth ...

[Biomarkers of Helicobacter pylori-associated gastric cancer - NCBI](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3928163/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3928163/>

12 Jul 2013 ... Approximately half of the world's population is infected with *H. pylori*, with ... of age, gender, and *H. pylori* infection on pepsinogen levels, PGI and ... was > 99%, so a negative result is a strong indication of a healthy gastric mucosa. ... are associated with reduced risk of gastric cancer in Asian populations, ...

[Helicobacter Pylori associated global gastric cancer burden - NCBI](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2654592/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2654592/>

1 Jan 2009 ... Chronic *H. pylori* infection is etiologically linked to gastric ... cancer incidence (adjusted to the world population) based on data ... of 663 individuals undergoing routine health check-up in China, ... sea level (99), despite similar prevalence and age of acquisition of *H. pylori*. ... Cancer Epidemiol Biomarkers Prev.

[Biomarkers for Helicobacter pylori infection and gastroduodenal ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4254399/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4254399/>

Helicobacter pylori infection is a major cause of gastric cancer. ... Serum or urinary *H. pylori* antibodies, cytotoxin-associated gene A antibodies, ... The levels of PG I and PG II might be influenced by other factors, such as age, sex, height, body ... biomarkers could change depending on the target populations and test kits.

[PDF] [Helicobacter pylori - iarc](#)

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<https://www.nature.com/articles/srep36442>

7 Nov 2016 ... *Helicobacter pylori* (H. pylori) infection is a major cause of chronic gastritis and is ... biomarkers for predicting *Helicobacter pylori*-related gastric cancer ... examined by RT-PCR (left panel) and protein levels of BabA, SabA, and ... the risk of H. pylori associated GC in the population of Japan, China, Dutch ...

[The Role of Serum Pepsinogen in the Detection of Gastric Cancer](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2956341/)

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24 Sep 2010 ... Reducing the morbidity and mortality associated with gastric cancer requires ... In addition, affecting factors (H. pylori infection status, gender, age, ... Thus, the serum PG I level as well as the PG I/II ratio, were positively ... Serum pepsinogen test as a biomarker of atrophic gastritis and intestinal metaplasia.

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