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**Manuscript Type:** OPINION REVIEW

**How does *Helicobacter pylori* cause gastric cancer through connexins: An opinion review**

Li H *et al.* *H. pylori* causing GC through connexins

Huan Li, Can-Xia Xu, Ren-Jie Gong, Jing-Shu Chi, Peng Liu, Xiao-Ming Liu

**Abstract**

*Helicobacter pylori* (*H. pylori*) is a gram-negative bacterium with a number of virulence factors, such as cytotoxin-associated gene A, vacuolating cytotoxin A, its pathogenicity island and lipopolysaccharide, that cause gastrointestinal

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## Helicobacter pylori and gastric cancer: a state of the art ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › v.8(Suppl1); Spring 2015

Sep 23, 2014 · **Gastric cancer** is the third most common **cause** of **cancer**-related death in the world. It is now well- established that **Helicobacter pylori** infection predispose individuals toward **gastric** adenocarcinoma later in life. It has since been classified as a class I ...

Cited by: 14

Author: Saud Ishaq, Lois Nunn

Publish Year: 2015

## Helicobacter pylori and Cancer - National Cancer Institute

[www.cancer.gov](http://www.cancer.gov) › ... › Risk Factors › Infectious Agents ▾

On This Page. What is **Helicobacter pylori**?. What is **gastric cancer**? What evidence shows that H. **pylori** infection **causes** non-cardia **gastric cancer**?. What is the evidence that H. **pylori** infection may reduce the risk of some cancers?. How might H. **pylori** infection decrease the risk of some cancers but increase the risk of other cancers?. What is cagA-positive H. **pylori** and **how does** it affect the ...

## From the stomach to other organs: Helicobacter pylori and ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › World J Hepatol › v.7(18); 2015 Aug 28

Aug 28, 2015 · The prevalence of **ulcers** of the stomach and/or duodenum **caused** by H. **pylori** is higher in patients suffering from hepatic cirrhosis[78,79]. A recent meta-analysis suggests that there is also a significantly high prevalence of H. **pylori** infection among patients with **cirrhosis**[80].

Cited by: 16

Author: Marek Waluga, Michał Kukla, Michał Żor...

Publish Year: 2015

## How Helicobacter pylori causes gastric cancer - Medical Xpress

[medicalxpress.com](http://medicalxpress.com) › Cancer ▾

Nov 07, 2017 · How **Helicobacter pylori** **causes gastric cancer**. Researchers at FAU have now identified two mechanisms through which this **bacterium can cause gastric cancer**. Their findings **could** result in the development of new therapeutic approaches. The team has published its results in the leading journal Cell Host & Microbe .

## H. pylori eradication reduced gastric cancer incidence

<https://www.healio.com/gastroenterology/oncology/news/online...> ▾

Jul 23, 2014 · H. pylori eradication reduced gastric cancer incidence. " Gastric cancer is the third commonest cause of death from cancer, and H. pylori is causally implicated in its etiology," study researcher Alexander C. Ford, MBChB, MD, FRCP, associate professor, Leeds Institute of Biomedical and Clinical Sciences, University of Leeds, United Kingdom,...





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## From the stomach to other organs: Helicobacter pylori and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4550868>

Aug 28, 2015 · Core tip: **Helicobacter pylori** (**H. pylori**) is generally regarded as the risk factor of the development of **gastric diseases**, including **cancer**. However, some authors suggest that **H. pylori infection can cause** other disorders, including **liver diseases** such as non-alcoholic fatty liver diseases, non-alcoholic steatohepatitis, liver fibrosis, **cirrhosis and hepatic carcinoma**.

**Cited by:** 16

**Author:** Marek Waluga, Michał Kukla, Michał Żorni...

**Publish Year:** 2015

## Helicobacter pylori and Gastric Cancer - AlphaMed Press

[theoncologist.alphamedpress.org/content/3/2/124.full](http://theoncologist.alphamedpress.org/content/3/2/124.full)

Apr 01, 1998 · Since there is certainly a hereditary **risk for gastric cancer**, it may also be advisable to **eradicate H. pylori** in persons with a family history of **gastric cancer**. This procedure might help to avoid one factor that increases the **risk of gastric cancer**.

**Author:** Manfred Stolte

Published in: **Oncologist** · 1998

Authors: **M Stolte** · **A Meining**

## Gastric Cancer - Helicobacter pylori - NCBI Bookshelf

<https://www.ncbi.nlm.nih.gov/books/NBK2445>

Wyle suggested that infection with **H. pylori** always caused acute gastritis and nonatrophic chronic gastritis, but the subsequent course varied with the strain of **H. pylori**; e.g., some strains may **cause** duodenal ulcer disease and others **cause** gastritis that proceeds to **gastric cancer through gastric mucosal atrophy**.

**Bookshelf ID:** NBK2445

## H. pylori eradication reduced gastric cancer incidence

<https://www.healio.com/gastroenterology/oncology/news/online/{bd53f568-d5c0-4724-ad42...> ▼

Jul 23, 2014 · Helicobacter **pylori** eradication therapy reduced the incidence of **gastric cancer** in asymptomatic Asian patients, according to recent study data. "**Gastric cancer** is the third commonest

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## From the stomach to other organs: Helicobacter pylori and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4550868>

Aug 28, 2015 · *H. pylori* infection is the cause of many diseases, such as chronic gastritis, peptic ulcer disease, gastric mucosa-associated lymphoid tissue (MALT) lymphoma, and gastric cancer. According to the Correa theory, *H. pylori* infection causes sequential phenomena, leading from chronic gastritis through jejunal metaplasia and dysplasia to gastric ...

Cited by: 16

Author: Marek Waluga, Michał Kukla, Michał Żom...

Publish Year: 2015

## Helicobacter pylori and Gastric Cancer - AlphaMed Press

[theoncologist.alphamedpress.org/content/3/2/124.full](http://theoncologist.alphamedpress.org/content/3/2/124.full)

Apr 01, 1998 · *Helicobacter pylori* (*H. pylori*) is a causative agent in the pathogenesis of chronic active gastritis of the stomach, on which severe diseases such as duodenal and gastric ulcer may develop. The spectrum of *H. pylori*-associated diseases is, however, still expanding.

Author: Manfred Stolte

Published in: *Oncologist* · 1998

Authors: M Stolte · A Meining

## Is Helicobacter pylori Infection the Primary Cause of ...

<https://www.hindawi.com/journals/grp/2013/425840> ▾

*Helicobacter pylori* (*H. pylori*) has a role in the multifactorial etiology of peptic ulcer disease. A link between *H. pylori* infection and duodenal ulcer disease is now established. Other contributing factors and their interaction with the organism may initiate the ulcerative process. The fact that eradication of *H. pylori* infection leads to a long-term cure in the majority of duodenal ulcer ...

Cited by: 9

Author: Vikram Kate, N. Ananthakrishnan, Frank I...

Publish Year: 2013

## Did H. pylori cause my acid reflux? - RefluxMD

<https://www.refluxmd.com/h-pylori-cause-acid-reflux> ▾

*H. pylori* is a type of bacteria commonly found in the stomach. An *H. pylori* infection can cause a variety of stomach symptoms and have a role in producing gastritis (inflammation of the stomach), stomach ulcers, and is associated with an increased risk of stomach cancer.

## Gastric Cancer - Helicobacter pylori - NCBI Bookshelf

<https://www.ncbi.nlm.nih.gov/books/NBK2445>

Wyle suggested that infection with *H. pylori* always caused acute gastritis and nonatrophic chronic

## Helicobacter pylori

Gram-Negative Microaerophilic Bacterium

*Helicobacter pylori*, previously known as *Campylobacter pylori*, is a Gram-negative, microaerophilic bacterium usually found in the stomach. It was identified in 1982 by Australian scientists Barry Marshall and Robin Warren, who found that it was present in a person with chronic gastritis and gastric ulcers, conditions not previously believed to have a microbial cause. It is also linked to the development of duodenal ulcers and stomach cancer. However, over 80% of individuals infected with the bacterium are asymptomatic, and it may play an important role in the natural stomach ecology.

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