

2 Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 55448

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Helicobacter pylori-induced inflammation masks the underlying presence of low-grade dysplasia on gastric lesions

Alba Panarese, Giovanni Galatola, Raffaele Armentano, Pedro Pimentel-Nunes, Enzo Ierardi, Maria Lucia Caruso, Francesco Pesce, Marco Vincenzo Lenti, Valeria Palmitessa, Sergio Coletta, Endrit Shahini

Abstract

BACKGROUND

Helicobacter pylori (*H. pylori*) infection has been associated with a long-term risk of precancerous gastric conditions (PGC) even after *H. pylori* eradication.

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Helicobacter pylori and **gastric cancer**. Infection with **Helicobacter pylori** and the resulting chronic **inflammation** is a major step in the initiation and development of **gastric cancer**. **H. pylori** is a Gram-negative spirochete which infects more than half of the world's population. Infections are very common in undeveloped countries, likely due to water contamination and less sanitary living ...

Cited by: 124

Author: Acacia Lamb, Lin Feng Chen, Lin Feng ...

Publish Year: 2013

Helicobacter pylori-Induced Chronic Gastritis and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3745848>

Jul 29, 2013 · **Histopathology of Helicobacter pylori-Induced Chronic Gastritis** **H. pylori** is a microaerophilic gram-negative bacteria. The early phase of **H. pylori infection** elicits an **acute inflammatory** response that is either asymptomatic, or symptomatic with short-lived clinical manifestations such as nausea and vomiting, that evolve to a **long-standing chronic gastritis** [...

Cited by: 26

Author: Gonzalo Carrasco, Alejandro H. Corvalan

Publish Year: 2013

Helicobacter pylori-induced gastric pathology: insights ...

<https://dmm.biologists.org/content/10/2/89> ▾

Feb 01, 2017 · **Helicobacter pylori: an overview**. The **gastric** microenvironment is hostile to commensal bacteria because of its low partial oxygen pressure, and the **presence** of high concentrations of **gastric acid** and digestive enzymes. **H. pylori** is a Gram-negative, spiral rod-shaped bacterium that has evolved to survive in this environment. Its adaptations to these ...

Cited by: 23

Author: Burkitt, Duckworth Ca, Williams Jm, Prit...

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Helicobacter pylori infection, gastrin and cyclooxygenase ...

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Introduction. **Helicobacter pylori** is a bacterial carcinogen that incurs the highest known level of risk for the development of **gastric** cancer. With an estimated 1 million new cases/year, **gastric** adenocarcinoma claims >700,000 lives each year and approximately 89% of the global **gastric** cancer burden and 5.5% of all malignancies worldwide are attributable to H. pylori-induced **inflammation** and ...

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Cited by: 28 **Author:** Hyo Jun Ahn, Dong Soo Lee

Publish Year: 2015

[Helicobacter pylori infection: old and new](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5467250>

Feb 14, 2017 · **Gastric** adenocarcinoma from **Helicobacter pylori** infection develops through a sequence of gastritis → atrophy → intestinal metaplasia → **dysplasia** → carcinoma (Fig. 1) . Patients who undergo endoscopic resection for an early-stage **gastric** cancer with remaining **gastric** mucosa should be tested and eradicated because of the risk of ...

PEOPLE ALSO ASK

Can H pylori cause thickening of antral walls? ▾

What is the cause of Helicobacter pylori? ▾