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## Helicobacter pylori regulates TLR4 and TLR9 during gastric ...

[https://www.researchgate.net/publication/268451524\\_Helicobacter...](https://www.researchgate.net/publication/268451524_Helicobacter...)

However, in *H. pylori* gastritis TLR5 and TLR9 expression on the gastric epithelium changed to an exclusive basolateral localization without detectable expression at the apical pole.

## Genetic variants of TLR4 and TLR9 are risk factors for ...

<https://www.sciencedirect.com/science/article/pii/S019888591630516X>

*Helicobacter pylori*, a gastric pathogen that colonizes the pyloric antrum of stomach was recognized as a potential risk factor for gastric cancer (GC). In India, the infection is acquired in early childhood and reported prevalence rate was 50 to 83%.

Cited by: 4

Author: Rekha Loganathan, Mehnaz Nazeer, Vais...

Publish Year: 2017

## The TLR9 Gene Polymorphisms and the Risk of Cancer ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › Journal List › PLoS One › v.8(8); 2013

Some limitations of this meta-analysis should be monitored. First, most of the enrolled studies only included the association of TLR9 polymorphisms with cancer risk and a more precise adjusted OR for other covariates like age, family history, infect condition and environmental factors were unavailable.

Cited by: 14

Author: LuShun Zhang, HaoJie Qin, Xuan Guan, ...

Publish Year: 2013

## TLR9 Promoter Polymorphism Is Associated with Both an ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › Journal List › PLoS One › v.8(6); 2013

Objective. Genetic polymorphisms of Toll-like receptors (TLRs) may influence the effects of *H. pylori* infection and play important roles in gastric carcinogenesis. The aim of this study was to determine whether the polymorphisms of TLR4 and TLR9 are associated with susceptibility to gastric carcinoma and its prognosis.

Cited by: 13

Author: Xiaoyong Wang, Lening Xue, Yang Yang, ...



Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 47439

Manuscript Type: ORIGINAL ARTICLE

### Case Control Study

TLR9 polymorphisms and *Helicobacter pylori* influence gene expression and risk of gastric carcinogenesis in Brazilian population.

Susi MD *et al.* TLR9 and *Helicobacter pylori* in gastric diseases

Manoela Dias Susi, Caroline de Matos Lourenço, Lucas Trevizani Rasmussen, Spencer Luis Marques Payão, Ana Flávia Teixeira Rossi, Ana Elizabete Silva, Juliana Garcia de Oliveira-Cucolo

### Abstract

#### BACKGROUND

The Toll-like receptors (TLRs) are the first line of host defense and are involved

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国际版

Toll-like receptor 9 polymorphisms and Helicobacter pylori influence gene express



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## The influence of cytokine gene polymorphisms on the risk ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4577222>

IL-1b is 100-times more potent inhibitor of acid secretion than proton pump inhibitors.17 Inhibition of acid secretion may lead to the spread of bacteria from the antrum to the corpus, and consequently the development of corpus predominant **gastritis** which further leads to the development of **gastric cancer**.18,19 Three **polimorphisms** were described in the **IL-1B gene** at positions -31, -511 and ...

**Cited by:** 6

**Author:** David Stubljär, Samo Jeverica, Tomislav ...

**Publish Year:** 2015

## Single-nucleotide polymorphisms in Toll-like receptor ...

<https://www.sciencedirect.com/science/article/pii/S1567134819301066>

**Toll-like receptors (TLRs)** mediate the **recognition of Helicobacter pylori (H. pylori)** and initiate the innate immune response to infection. **Genetic polymorphisms of TLRs** play important roles in **gastric** ...

**Author:** Dan Zhao, Yan-hua Wu, Tian-cheng Z...

**Publish Year:** 2019

## Toll-like receptor (TLR2, TLR4 and TLR5) gene ...

<https://www.sciencedirect.com/science/article/pii/S1286457908002529>

**Helicobacter pylori** infection is mainly acquired in childhood, and **polymorphisms** in the host genes coding for **Toll-like** receptors (TLRs) may **influence** the innate and adaptive immune response to the infection, affecting the susceptibility to **H. pylori** or the disease outcomes. Our aim was to investigate whether TLR4, TLR2, and TLR5 **polymorphisms** were associated with **H. pylori** susceptibility and ...

**Cited by:** 19

**Author:** Sílvia Beleza Moura, Luciana Ramos Alm...

**Publish Year:** 2008

## A Frequent Toll-Like Receptor 1 Gene Polymorphism Affects ...

[onlinelibrary.wiley.com/doi/10.1111/hel.12001/abstract](https://onlinelibrary.wiley.com/doi/10.1111/hel.12001/abstract)

Jan 11, 2013 · Background. It has been shown that **H. pylori** stimulates the host's **Toll-like receptor** (TLR) 2/1 complex. Furthermore, the single **nucleotide polymorphism** (SNP) I602S of TLR1 alters the inflammatory cytokine response of monocytes. Therefore, we hypothesized an association of this TLR1 SNP with **H. pylori -mediated gastric pathologies**.

Published in: **Helicobacter** · 2013

Authors: Chinan Yang · Carmen Scheibenbogen · Sandra Bauer · Christoph Kleinle · Thomas ...