

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 49421

**Manuscript Type:** META-ANALYSIS

**Is there an association between *Helicobacter pylori* infection and irritable bowel syndrome? A meta-analysis**

Ng QX *et al.* *H. pylori* infection and IBS

Qin Xiang Ng, Nadine Xinhui Foo, Wayren Loke, Yun Qing Koh, Vanessa Jing Min Seah, Alex Yu Sen Soh, Wee Song Yeo

**Abstract**

**BACKGROUND**

### Match Overview

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## Lack of Association Found between Helicobacter pylori ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4967462>

However, the **association between H. pylori** infection and IBS is controversial [4, 17–19]. Considering that **gastrointestinal infection** is a main reason of IBS-D, some studies [19, 20] suggested that **H. pylori infection** may play a role especially in IBS-D, but the relevant clinical study is still lacking.

Cited by: 2

Author: Feng Xiong, Man Xiong, Zonghui Ma, Sen...

Publish Year: 2016

## Association between Helicobacter pylori infection and ...

<https://academic.oup.com/ibdjournal/article/16/6/1077/4628452> ▾

Sep 16, 2009 · Numerous observational studies have investigated the **association between H. pylori infection and inflammatory bowel disease (IBD)**. Our aim was to perform a systematic review and meta-analysis of this **association**.

Cited by: 212

Author: Jay Luther, Maneesh Dave, Peter D.R. Hi...

Publish Year: 2010

## The association between Helicobacter pylori infection and ...

[https://www.researchgate.net/publication/275227237\\_The\\_association\\_between...](https://www.researchgate.net/publication/275227237_The_association_between...)

Request PDF on ResearchGate | The **association between Helicobacter pylori infection and inflammatory bowel disease based on meta-analysis** | Background: In humans **there are** epidemiological data ...

## Association Between Helicobacter pylori Infection and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4865406>

Background. Epidemiologic data suggest a protective effect of **Helicobacter pylori infection** against the development of autoimmune disease. Laboratory data illustrate **H. pylori's** ability to induce immune tolerance and limit inflammatory responses. Numerous observational studies have investigated the **association between H. pylori infection and inflammatory bowel disease (IBD)**.

Cited by: 212

Author: Jay Luther, Maneesh Dave, Peter D.R. Hi...

Publish Year: 2010

## Lack of Association Found between Helicobacter pylori ...

<https://www.hindawi.com/journals/grp/2016/3059201> ▾

The **association between Helicobacter pylori (H. pylori)** infection and diarrhea-predominant irritable **bowel syndrome (IBS-D)** is still controversial. Here we performed a retrospective study to explore this issue. Methods. A total of 502 inpatients with Rome III confirmed IBS-D and known **H. pylori** status from 8 hospitals were enrolled.



Is there an association between Helicobacter pylori infection and irritable bowel sy



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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4865406>

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Cited by: 215

Author: Jay Luther, Maneesh Dave, Peter D.R. Hi...

Publish Year: 2010

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<https://academic.oup.com/ibdjournal/article/16/6/1077/4628452> ▾

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Author: Jay Luther, Maneesh Dave, Peter D.R. Hi...

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## Association Between Helicobacter pylori Infection and ...

[europepmc.org/articles/PMC4865406](http://europepmc.org/articles/PMC4865406)

Jun 01, 2010 · Background. Epidemiologic data suggest a protective effect of Helicobacter **pylori** **infection** against the development of autoimmune disease. Laboratory data illustrate **H. pylori's** ability to induce immune tolerance and limit inflammatory responses. Numerous observational studies have investigated the **association between H. pylori infection** and inflammatory **bowel** disease (IBD).

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Author: Jay Luther, Maneesh Dave, Peter D.R. Hi...

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## Irritable Bow

Medical Condition

A chronic gastro



A chronic gastrointes  
diarrhea, abdominal r

Very common (M

Rarely requires

Treatments can

Can last several

The actual cause of i  
various factors seem  
abdominal pain, bloa  
aimed at relieving the

## Symptoms





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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4865406>

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Cited by: 215

Author: Jay Luther, Maneesh Dave, Peter D.R. Higgi...

Publish Year: 2010

## The association between Helicobacter pylori infection and ...

[europepmc.org/articles/PMC4669512](http://europepmc.org/articles/PMC4669512)

Dec 01, 2015 · Triggered by the above, numerous studies have examined the **association between H. pylori infection and IBD**. However, the published literature is diverse. Thus, many studies have reported that the prevalence of **H. pylori infection** is lower in patients with **IBD** compared to controls, whereas this has not been confirmed by other studies. This prompted us to further investigate this **association** by ...

Cited by: 19

Author: T Rokkas, Jp Gisbert, Y Niv, C O'Morain

Publish Year: 2015

## Association Between Helicobacter pylori Infection and ...

[europepmc.org/articles/PMC4865406](http://europepmc.org/articles/PMC4865406)

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Cited by: 215

Author: Jay Luther, Maneesh Dave, Peter D.R. Higgi...

Publish Year: 2010

## Lack of Association Found between Helicobacter pylori ...

## Irritable Bowel Syndrome

Medical Condition

 Image for Condition

A chronic gastrointestinal disorder that affects the large intestine causing diarrhea, abdominal pain, cramps, bloating and gas.

 Very common (More than 3 million cases per year in US)

 Rarely requires lab test or imaging

 Treatments can help manage condition, no known cure

 Can last several years or be lifelong

The actual cause of irritable bowel syndrome isn't well understood, but various factors seem to play a role. Symptoms include cramping, abdominal pain, bloating, gas, and diarrhea or constipation. Treatment is aimed at relieving the symptoms, it cannot be cured.

## Symptoms

The symptoms vary from one person to another. The most common ones include:

- Abdominal discomfort or pain
- Cramping or bloating
- Excess gas
- Indigestion
- Changes in patterns of bowel movement
- Diarrhea alternating with constipation