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H. pylori: commensal, symbiont or pathogen?



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The present day H. pylori should not be dubbed as a beneficial organism or a commensal but only after its 'disarmament' - meaning that its powerful virulence machinery makes the organism a '**classical pathogen**' and nothing less than that.

Author: Niyaz Ahmed, Shivendra Tenguria, Nishant Nandanwar

Cited by: 23

Publish Year: 2009

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gutpathogens.biomedcentral.com/articles/10.1186/1757-4749-1-24

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Helicobacter Pylori: Enemy, **Commensal** Or, Sometimes, Friend? **Helicobacter pylori** is a Gram-negative ϵ -proteobacterium that colonizes about 50% of humans. Some pertinent characteristics are that it can survive the acid of the stomach, produces urease to neutralize it and is motile due to apical flagella.

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Author: Michael Bernard Whalen, Orietta Massidda

Publish Year: 2015

[Frontiers | Helicobacter pylori the Latent Human Pathogen ...](#)

<https://www.frontiersin.org/articles/10.3389/fmicb.2018.00609> ▾

The Role of H. **pylori** as a **Pathogen** Despite the multiple studies on H. **pylori**, there are still unanswered questions about the role of this bacterium as a true **pathogen** or as a commensal organism when colonizing the human stomach. The role of H. **pylori** as a true **pathogen** has been the center of major discussions for many years.

Cited by: 4

Author: Jackie Li, Guillermo I. Perez-Perez

Publish Year: 2018

[Pathobiology of Helicobacter pylori-Induced Gastric Cancer](#)

<https://pubmed.ncbi.nlm.nih.gov/26385073>

Finally, our realization that external environmental factors, such as dietary components and essential micronutrients, as well as the gastrointestinal microbiota, can change the balance between H **pylori**'s activity as a **commensal** or a **pathogen** has provided direction to studies aimed at defining the full carcinogenic potential of this organism.

Cited by: 366

Author: Manuel Amieva, Richard M. Peek



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For example, *Helicobacter pylori*, the causative agent of ulcers, exists as a **commensal or a pathogen** depending on its host. *Pseudomonas aeruginosa*, found in the anterior portion of the nose, is a serious pathogen in the lungs of cystic fibrosis patients and can cause infections in other tissues if it becomes internalized.

[Commensalism - an overview | ScienceDirect Topics](#)

www.sciencedirect.com/topics/earth-and-planetary-sciences/commensalism

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Helicobacter pylori is a **Gram-negative ε-proteobacterium** that colonizes about 50% of humans. Some pertinent characteristics are that it can survive the acid of the **stomach**, produces **urease** to neutralize it and is motile due to apical flagella. Not surprisingly given its wide distribution, it has lon ...

Cited by: 4

Author: Michael Bernard Whalen, Orietta Massidda

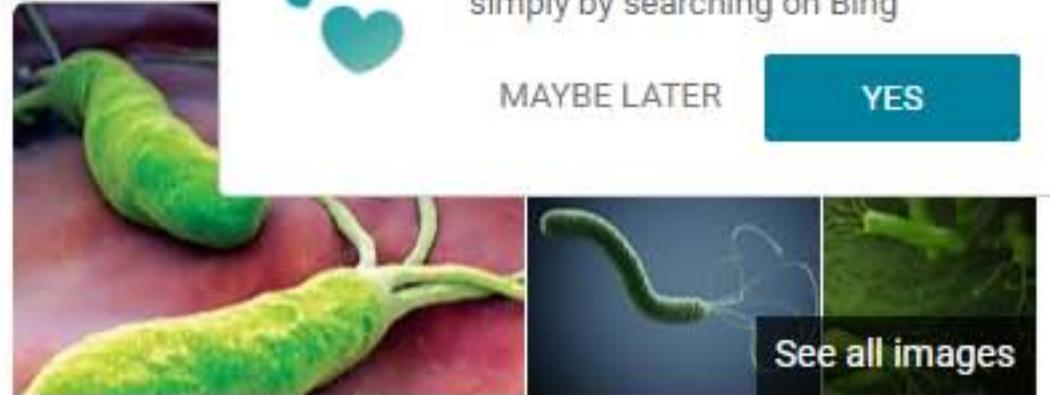
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Helicobacter pylori

Helicobacter pylori, previously known as *Campylobacter pylori*, is a gram-negative, microaerophilic, spiral bacterium usually found in the stomach. Its helical shape is thought to have evolved in order to penetrate the mucoid lining of the stomach and thereby establish infection. The bacterium was first identified in 1982 by Australian doctors Barry Marshall and Robin Warren. *H. pylori* has been associated with the mucosa-associated lymphoid tissue in the stomach, esophagus, colon, rectum, or tissues around the eye, and of lymphoid tissue in the stomach.

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Publish Year: 2015

Helicobacter pylori: The balance between a role as ...

<https://www.sciencedirect.com/science/article/pii/S1521691814001462>

Dec 01, 2014 · Helicobacter pylori as a commensal. Due to the fact that H. pylori has colonized the human stomach for over 58,000 years-probably since the dawn of the ... of gastric microbial communitie...

Cited by: 9 Author: Laura Llorca Otero, Victoria E. Ruiz, Guiller...

Publish Year: 2014

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<https://www.researchgate.net/publication/280030231...>

There is a growing body of work suggesting that H. pylori may behave like a commensal or a symbiont, depending upon the circumstances [76] [77][78]. The data on the potential importance of H ...

Helicobacter pylori the Latent Human Pathogen or an ...

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