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Case Control Study

Innate immunity – the hallmark of *Helicobacter pylori* infection in pediatric chronic gastritis

Lorena Elena Meliț, Cristina Oana Mărginean, Maria Oana Săsăran, Simona Mocan, Dana Valentina Ghiga, Alina Bogliș, Carmen Duicu

Abstract

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The tight control of the **innate** and adaptive immune responses in the stomach mucosa during **chronic** *Helicobacter pylori* infection is of prime importance for the bacteria to persist and for the host to preve...

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Abstract. Helicobacter **pylori** **infection** causes **chronic gastritis**, peptic ulcer, and gastric cancer. Colonization **of H. pylori** in the stomach activates Toll-like and Nod-like receptors to induce not only **innate immunity** but also adaptive Th1 responses against this organism. Adaptive Th1 response is not sufficient to clear this organism and, as a ...

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Helicobacter pylori and the innate immune system ...
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Sep 01, 2005 · Interference of **H. pylori** with the **innate immune** responses of epithelial cells may shape the outcome of **infection** – how **H. pylori** evades the **innate immune** responses When foreign microorganisms invade the human body, the first barrier they meet and have to surmount to establish an **infection** are epithelial cells lining the respiratory, gastrointestinal or urogenital tract.
Cited by: 15 **Author:** Sae Kyung Lee, Christine Josenhans, Christ...
Publish Year: 2005

Helicobacter pylori and Gastric Cancer: Factors That ...
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2952980>
Summary: Helicobacter **pylori** is a gastric pathogen that colonizes approximately 50% of the world's population. **Infection** with **H. pylori** causes **chronic** inflammation and significantly increases the risk of developing duodenal and gastric ulcer disease and gastric cancer. **Infection** with **H. pylori** is the strongest known risk factor for gastric cancer, which is the second leading cause of cancer ...
Cited by: 1162 **Author:** Lydia E. Wroblewski, Richard M. Peek, Rich...
Publish Year: 2010

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[The participation of some **innate** immunological defense components in **children** with **chronic gastritis** associated **H. pylori infection** in ultrastructure and function of the mast cells aspects] Polski merkuriusz lekarski, 2009, 118(558): 40-45. DOI: 10.1016/j.pml.2009.05.001




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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 lymphomas of 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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