

Impact of Helicobacter pylori infection on gut microbiota



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Helicobacter pylori (H. pylori) is known to colonize gastric mucosa, induce inflammation, and alter gastric microbiota resulting in a spectrum of gastric diseases. Likewise, changes in gut microbiota have recently been linked with various metabolic and inflammatory diseases.

**Author:** Nihar Ranjan Dash, Ghalia Khoder, Aml Mohamed Nada, Mohammad Tahseen Al Bataineh

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Helicobacter pylori (H. pylori) is known to reside in the gastric mucosa, induce inflammation, and alter both **gastric** and **intestinal microbiota** resulting in a broad spectrum of diseases, in particular metabolic syndrome-related disorders.

**Author:** Samaneh Ostad Mohammadi, Abbas Y... **Publish Year:** 2020

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<https://link.springer.com/article/10.1007/s40200-020-00608-y>

Aug 11, 2020 · Impact of H. pylori infection on gut microbiota dysbiosis through changes in metabolic

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 65799

Manuscript Type: MINIREVIEWS

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*H. pylori* and gut microbiota

**Abstract**

A number of studies have revealed the association between *Helicobacter pylori* infection and the gut microbiota. More than half of the investigations on the impact of *H. pylori* on the gut microbiota have been the sub-analyses of the influence of eradication therapy. It was observed that *H. pylori* eradication altered gut microbiota within a short period after eradication, and majority of the alterations took a long period of time to reverse back to the original. Changes in the gut microbiota within a short period after eradication may be attributed to antibiotics and proton pump

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**Author:** Samaneh Ostad Mohammadi, Abbas ... **Publish Year:** 2020

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**Abstract Background:** *Helicobacter pylori* (*H. pylori*) infection is associated with remodeling of gastric microbiota. However, comprehensive analyses of the impact of *H. pylori* infection, eradication therapy and probiotic supplementation on gut microbiota are still lacking. We aimed to provide evidence for clinical decision making.

**Cited by:** 61 **Author:** Luyi Chen, Wenli Xu, Wenli Xu, Allen Lee...

**Publish Year:** 2018

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