

14
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Update on quinolone-containing rescue therapies for *Helicobacter pylori* infection

Mori H *et al.* Quinolone-containing rescue therapies

Hideki Mori, Hidekazu Suzuki

Abstract

Third generation of quinolones, such as levofloxacin and moxifloxacin, - containing regimens are often used in second-line or rescue treatment of *Helicobacter pylori* infection. However, the increasing antibiotic resistance to quinolones affects the efficacies of quinolones-containing therapies in recent years. Therefore, there is a need to enhance the effectiveness of quinolones-containing therapies. Sitafloxacin, a fourth-generation quinolone, and vonoprazan, a novel potassium-competitive acid blocker, are now available as

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It suggests that the 10-day levofloxacin-based **triple therapy** may be considered as an alternative for **increasing cure rate of H. pylori infection** in European areas. But in many Asian countries, standard **triple regimen** is still superior to levofloxacin-based **therapy** as **first-line regimen for H. pylori eradication**.

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Update on the first-line treatment for Helicobacter pylori ...

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Jul 11, 2017 · A **quinolone-containing triple therapy** is effective as the **first-line therapy for H pylori infection**. Its **cure rates** range from 72 to 96% [52]. The **regimen** might be considered in populations with clarithromycin resistance greater than 15–20% and **quinolone** ...

Cited by: 8**Author:** Chih-Chieh Huang, Kuo-Wang Tsai, Tz...**Publish Year:** 2017**Author:** Chih-Chieh Huang

Update on triple therapy for eradication of Helicobacter ...

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Sep 17, 2012 · **Update** on triple **therapy** for eradication of Helicobacter **pylori**: ... of published clinical trials,14–17 it appears that a quinolone-based triple **therapy** can be effective in the first-line **therapy** of **H. pylori infection**. Levofloxacin-based triple **therapy** comprised of levofloxacin (500 mg, once daily), amoxicillin (1 g, twice daily [bid]), and ...

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The American College of Gastroenterology Guideline on the Management of **Helicobacter pylori Infection**, the second Asia Pacific consensus guidelines for **Helicobacter pylori infection**, and the Maastricht IV/Florence-Consensus Report recommend that second-line **H. pylori eradication rescue therapy** consists of a PPI, a **quinolone**, and amoxicillin as an option.

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Rescue Therapy for Helicobacter pylori Infection 2012

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3299261>

Helicobacter pylori infection is the main cause of gastritis, gastroduodenal ulcer disease, and gastric cancer. After 30 years of experience in **H. pylori treatment**, however, the ideal regimen to treat this **infection** has still to be found. Nowadays, apart from having to know well first-line eradication regimens, we must also be prepared to face **treatment** failures.

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In the paper entitled "Quinolone-Containing **Therapies** in the Eradication of **Helicobacter pylori**," S.-K. Chuah et al. review the efficacies of quinolone-containing regimens **for H. pylori** infection and discuss the public health issue of emerging resistant strains of mycobacteria following quinolone-containing H. **pylori** eradication **therapy**.

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Author: Ping-I Hsu, Yoshio Yamaoka, Khean-Lee ...

Publish Year: 2015

[Second-line rescue treatment of Helicobacter pylori ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6209570>

Oct 28, 2018 · At present, the best **rescue therapy** for **Helicobacter pylori** (H. **pylori**) infection following failure of first-line eradication remains unclear. The Maastricht V/Florence Consensus Report recommends bismuth quadruple **therapy**, or fluoroquinolone-amoxicillin triple/quadruple **therapy** as the

Helicobacter pylori

Helicobacter pylori, previously known as *Campylobacter pylori*, is a gram-negative, helically-shaped, microaerophilic 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, who found that it was present in a person with chronic gastritis and gastric ulcers, conditions not previously believed to have a microbial cause. HP 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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