

Detection of the clarithromycin resistance of Helicobacter ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6488203>

In conclusion, with above literature reference, we tested 3 mutations (A2143G, A2142G, and A2142C) at 2 polymorphic loci of H. pylori 23 s rRNA gene as an auxiliary diagnosis of the H. pylori clarithromy...

Cited by: 5

Author: Xiao-Yan Zhang, Wei-Xiang Shen, Chun-F...

Publish Year: 2019

Clarithromycin resistance and 23S rRNA gene point ...

<https://pubmed.ncbi.nlm.nih.gov/28276208>

A2142C mutation on 23S rRNA gene was not detected for any of the patients. Clarithromycin can be used as a first step treatment in the eradication of Helicobacter pylori for the children in our region; if th...

Cited by: 1

Author: Yeliz Çağan-Appak, Hörü Gazi, Semin Ay...

Publish Year: 2016

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<https://www.ncbi.nlm.nih.gov/pubmed/21412667>

There were 8 H. pylori strains resistant to clarithromycin by E-test but without any point mutation in the 23 rRNA gene. CONCLUSIONS: We conclude that PCR-RFLP is a reliable method to detect...

Cited by: 18

Author: Sonia Agudo, Guillermo Pérez-Pérez, Ter...

Publish Year: 2011

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For a long time *Helicobacter pylori* infections have been treated using the macrolide antibiotic, clarithromycin. Clarithromycin resistance is increasing worldwide and is the most common cause of *H. pylori* treatment failure. Here we review the mechanisms of antibiotic resistance to clarithromycin, detailing the individual and combinations of point mutations found in the 23S rRNA gene associated ...

Cited by: 9

Author: Andreia T. Marques, Jorge M. B. Vitor, Andr...

Publish Year: 2020

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<https://pubmed.ncbi.nlm.nih.gov/8759787>

Seventy-three *Helicobacter pylori*-positive patients were treated with a combination of clarithromycin and ranitidine in order to eradicate the bacterium. Eradication was successful in 79.5%. In 15 patients eradication failed, and in 11 cases this was due to clarithromycin resistance. In one patient ...

Cited by: 156

Author: Y.J. Debets-ossenkopp, M. Sparrius, J.G. K...

Publish Year: 1996

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What is the best antibiotic for *H pylori*? ▾

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 62810

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Early genetic diagnosis of clarithromycin resistance in *Helicobacter pylori*

Diagnosis gene of resistance in *Helicobacter pylori*

Abstract

BACKGROUND

The resistance rate of clinical *Helicobacter pylori* (Hp) isolates has increased; however, the mechanism of drug resistance remains unclear. In this study, drug-resistant Hp strains were isolated from different areas and different populations of China for genomic analysis.

AIM

This study aims to investigate drug-resistant genes in Hp and find a gene for the early

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High Prevalence of Clarithromycin-Resistant Helicobacter ...

<https://jcm.asm.org/content/48/10/3703> ▾

Oct 01, 2010 · Clarithromycin resistance in *H. pylori* mainly results from point mutations in the peptidyltransferase loop region of the 23S rRNA gene. In this study, the most frequent point mutation found was at position A2143G in 85% of our strains. This mutation predominates in *H. pylori* strains isolated from Europe and also from Japan (13, 19).