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Chinese Helicobacter pylori vaccine: Solution for an old challenge?

Running title: Successful vaccination against *H. pylori*

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Abstract

Helicobacter pylori (*H. pylori*) is an important cause for gastric cancer in high risk individuals. *H. pylori* colonizes more than 50% of the world's population and associated peptic ulcer disease and gastric malignancy have important public health implications. It has been classified as a class I carcinogen in 1994 by the World Health Organization. Clinicians are often prompted to eliminate the infection the moment it is detected. This also, unfortunately, led to reckless use of antibiotics and reports of increasing resistance

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作者: F Hongying - 2014 - 被引用次数: 18 - 相关文章

Given that developing an effective **vaccine** against *H. pylori* is one of the best ... against gastric Helicobacter infection following a **challenge** with *H. pylori* ... population is infected by the pathogen and up to 64% of **China's** population (1, 2). *H. pylori* ... Twenty SPF, 6-week-old, female C57BL/6 mice were divided into two groups (n ...

Immunological response of recombinant H. pylori multi ...

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作者: B Wang - 2014 - 被引用次数: 3 - 相关文章

2014年9月15日 - After the last immunization, *H. pylori* SS1 **challenge** was performed, ...
Keywords: *Helicobacter pylori*, recombinant **vaccine**, cholera toxin subunit B, adjuvant, immunological response ... SPF level BALB/c mice of 6 weeks **old** (males:females = 1:1) were ... Prevalence of *Helicobacter pylori* infection in **China**.

缺少字词: solution

Protection Against Helicobacter pylori Infection in Mongolian ...

https://www.researchgate.net/.../5386081_Protection_Against_H... - 翻译此页

The protective effects of multicomponent **vaccines** were assessed after *H. pylori* **challenge** in different studies. The specific IgG antibodies in serum were ...

Helicobacter pylori Vaccine Effective in Chinese Children ...

www.jwatch.org/.../helicobacter-pylori-vaccine-effective-chines... - 翻译此页

2015年7月10日 - *Helicobacter pylori* is associated with gastritis, ulceration, and ...

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Protection against *Helicobacter pylori* infection in the Mongolian gerbil after prophylactic vaccination

AHT Jeremy, Y Du, MF Dixon, PA Robinson... - *Microbes and ...*, 2006 - Elsevier

... established infection in the gerbil model with several *H. pylori* strains from China of diverse ... A Chinese clinical isolate, *H. pylori* strain 42GX which is cagA, vacA s1c m2a ... In mice, despite gastric *Helicobacter* colonisation occurring in the antrum, greater inflammation is observed ...

被引用次数: 38 相关文章 所有 6 个版本 引用

Immunization with recombinant *Helicobacter pylori* urease decreases colonization levels following experimental infection of rhesus monkeys

..., T Tibbitts, J Ingrassia, H Gray, J Boden, H Kleanthous... - *Vaccine*, 1999 - Elsevier

... Furthermore, immunization partially eradicated established *Helicobacter* infections in mice 13, 14 and 15 and ... In addition, six colony-raised rhesus monkeys of Chinese origin, determined to be ... Monkeys with documented *H. pylori* infection at baseline were immunized, and the ...

被引用次数: 85 相关文章 所有 6 个版本 引用

Immunization of rhesus monkeys with a mucosal prime, parenteral boost strategy protects against infection with *Helicobacter pylori*

..., K Soike, P Giannasca, J Hill, R Weltzin, H Kleanthous... - *Vaccine*, 1999 - Elsevier

... *Helicobacter pylori* is the major cause of gastritis, peptic ulcer disease, and gastric carcinoma in man [1], [2 ... Recombinant *H. pylori* urease was used as the vaccine antigen. ... Colony-raised rhesus monkeys (*Macaca mulatta*) of Chinese origin, 2-3 years of age, were screened for ...

被引用次数: 56 相关文章 所有 8 个版本 引用

Oral immunogenicity and protective efficacy in mice of a carrot-derived vaccine candidate expressing UreB subunit against *Helicobacter pylori*

H Zhang, M Liu, Y Li, Y Zhao, H He, G Yang... - *Protein expression and ...*, 2010 - Elsevier

... positive persons, a Chinese *H. pylori* strain, SD26625, collected in Shandong Province, East China, was used ... of the Chinese Shandong *H. pylori* strain UreB nucleotide sequence to the

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Establishment of Helicobacter pylori infection model in Mongolian ...

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2004年3月15日 - In [China](#), chronic gastritis and peptic ulcer are two of the most common ... However, no commercial [H pylori vaccine](#) is available so far, and the ... Eight-week-old specific pathogen-free male Mongolian gerbils with body ... Furthermore, the infection rates at 6 wk after one [challenge](#) by [H pylori](#) strain Y06 and ...

Oral Immunization with Recombinant Mycobacterium smegmatis ...

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作者: L Lü - 2011 - 被引用次数: 8 - [相关文章](#)

[Vaccination](#) against [H. pylori](#) would represent an attractive alternative or complement to ... [China](#)) and cloned into the PLA73 Escherichia coli-mycobacterium shuttle vector. ... Forty-five specific-pathogen-free (SPF), 7-week-old female BALB/c mice ... Gastric samples were embedded into the testing [solution](#), and any color ...

Oral Immunization with Recombinant Lactobacillus acidophilus ... - NCBI

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https://www.researchgate.net/.../5386081_Protection_Against_Helicobacter_... - [翻译此页](#)

Recombinant [H. pylori vaccine](#) comprising a single subunit antigen can only ... The protective effect against [H. pylori challenge](#) in gerbils immunized with specimens of a [Chinese](#) patient with gastritis