

عنوان مقاله:

Frequency of babA Gene in Helicobacter pylori Strains Isolated From Patients in Sanandaj, Iran

محل انتشار:

دومین کنگره سالیانه کشوری دانشجویی طبری و بیست و دومین کنگره سالیانه کمیته تحقیقات دانشجویی دانشگاه علوم پزشکی مازندران (سال: 1398)

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خلاصه مقاله:

Background. The Helicobacter pylori babA gene encodes an outer membrane protein that mediates binding to fucosylated ABH antigens of the ABO blood group. The aim of this study was to determine the frequency of babA gene in Helicobacter pylori (H. pylori) strains isolated from different clinical outcomes in sanandaj, Iran. Materials and Methods: This observational study was carried out on 50 patients. Biopsy specimens were evaluated for the presence of Helicobacter pylori through rapid urease test and PCR. The babA genotype was determined by PCR in H. pylori strains. Results: H. pylori isolates were recovered from 23 patients with duodenal ulcer (DU; n =4), gastric ulcer (GU; n =6), and gastritis (G; n = 13). The frequency of babA gene in H. pylori strains was 16.67% in gastric ulcer, and 7.7% in gastritis and 25% in duodenal ulcer. Conclusion: The current study demonstrated that the babA gene status was not associated with clinical diseases. Therefore, further investigations are needed

کلمات کلیدی:

babA, Helicobacter pylori, digestive disease

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