

---

## Abstract

---

*Helicobacter pylori* (*H. pylori*) infection bacterium causes chronic gastritis and plays important roles in peptic ulcer the most prevalent cause of persistent bacterial infection. This study aimed to determine the prevalence of *Helicobacter pylori* infection in Babylon province. The present study was conducted during the period from December 2022 until March 2023 on patients suffering from gastrointestinal disturbance. One Hundred and fifty-three data samples were collected from patients who attending to the Marjan Teaching hospital, Al-Imam Al-Sadiq Hospital and private clinics with the main clinical feature (abdominal pain, nausea and bloating) who had been examined and diagnosed by specialist physicians as suspected acute gastritis. Patients ages ranged from less than 20 years to more than 60 years.

In our study showing female most infected patients than male 67.32%. the highest rate of infected patients was among ages (20-29) years, more patients with O+ blood group were infected. Most of the signs and symptoms experienced by most patients were abdominal pain, nausea and bloating. Most patient (41.2%) used mixed therapy (antibiotics +ppi).