

## Short Communications

### Helicobacter pylori co infection in patients with typhoid fever

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#### Abstract

**Background and Objective:** There are some reports on the association between helicobacter pylori infection and typhoid fever in different parts of the world. The aim of this study was to estimate the co infection of helicobacter pylori and typhoid fever in Ahwaz city in South-West of Iran.

**Materials and Methods:** In this case – control study, fifty hospitalized patients with definite diagnosis of typhoid fever in Razi and Abuzar hospitals in Ahwaz were investigated. For each patient, one subject was matched with age, sex and socioeconomic characteristic as control. All of the case and control were tested for IgG –anti helicobacter pylori by ELISA method. Data were analyzed by chi squared test in SPSS software.

**Results:** Seroprevalence of helicobacter pylori in case (66%) was higher than control (44%) ( $p<0.05$ ). There was a significant difference between patients and control in male ( $p<0.05$ ), but not in female.

**Conclusion:** This study indicated that typhoid fever is associated with helicobacter pylori co-infection in this region.

**Keywords:** Helicobacter pylori , Serology test, Typhoid fever, Ahwaz

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