

## عنوان مقاله:

Determination of ABO/Rh blood group, sex and age with severity of Helicobacter pylori infection in Iranian gastrointestinal patients

## محل انتشار:

فصلنامه میکروب شناسی پزشکی ایران، دوره 11، شماره 2 (سال: 1396)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Somayeh Reisi - Department of Genetic, Faculty of basic science, Shahrekoed University, Shahrekord, Iran

Heshmat Shahi - Department of Immunology, Faculty of medicine, AJA medical university, Tehran, Iran

Sara Shahi - Department of Nursing, Nurse and midwifery faculty, Astara branch Islamic azad University, Astara, Iran

Mohammad Sadegh Damavandi - Department of Immunology and Microbiology, Faculty of Medicine, Shahrekord Medical University, Shahrekord, Iran

## خلاصه مقاله:

Background and Aims: Helicobacter pylori infection currently become as an endemic worldwide health issue. The infection causes variety of gastrointestinal diseases. The role of blood groups is established in body's response to microorganisms and the development of gastrointestinal disorders. This study aimed to investigate the relationship between blood groups, age and gender of Iranian population and the severity of infection with this bacteria. Materials and Methods: The study included ۱۶۰ patients with dyspepsia symptoms referred to Hajar hospital in Shahrekord. Biopsy specimens were investigated in terms of being infected with H. pylori by using PCR for ۱۶SRNA gene and glmM gene and blood groups of patients were determined by using hemagglutination routine test. Results and Conclusions: It was observed that ۶۱.۸۷% of patients were positive in terms of bacteria existence and ۶۱ of them were negative. ۶۲.۲۶% of infected patients with bacteria were female. The highest frequency of ABO blood groups among infected patients, belongs to O blood group with ۴۰.۶۶ percent ( $P > ۰.۰۵$ ). H. pylori was found in ۷۷.۱۳% of Rh+ patients ( $P < ۰.۰۵$ ). There is not significant relation between sex and age with infection ( $p > ۰.۰۵$ ). The severity of this bacterial disease were observed in patients with blood group O more than others ( $P < ۰.۰۵$ ). Rh positive in infected patients and O blood group may cause to severity of H. pylori infection.

## کلمات کلیدی:

Helicobacter pylori, ABO blood group, Rhesus factor, PCR  
فاکتور رزوس، PCR، هیلیکوباکتر پیلوری، گروه خونی ABO

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1715477>



