

Seroepidemiology of *Helicobacter pylori* in Students of Golestan University of Medical Sciences, 2012

Azadi, F. (MSc)

MSc of Microbiology, Golestan Research Center of Gastroenterology and Hepatology, Golestan University of Medical Sciences, Gorgan, Iran

HedayatMofidi, M. (MSc)

MSc of Immunology, Instructor of Immunology, Golestan University of Medical Science, Gorgan, Iran

Ali Arab, A. (MD)

General Practitioner, Golestan University of Medical Sciences, Gorgan, Iran

HedayatMofidi, H. (MD)

General Practitioner, Golestan University of Medical Sciences, Gorgan, Iran

Khorasaninjad, R. (MD)

General Practitioner, Golestan Research Center of Gastroenterology and Hepatology, Golestan University of Medical Sciences, Gorgan, Iran

Ghasemi-Kebria, F. (MSc)

MSc of Microbiology, Golestan Research Center of Gastroenterology and Hepatology, Golestan University of Medical Sciences, Gorgan, Iran

Roshandel, Gh.(PhD)

PhD of Epidemiology, Golestan Research Center of Gastroenterology and Hepatology, Golestan University of Medical Sciences, Gorgan, Iran

Corresponding Author: Ghasemi-Kebria, F

Email: kebria_fgh02@yahoo.com

Received: 17 Sep 2014

Revised: 10 Jan 2015

Accepted: 19 Jan 2015

Abstract

Background and Objective: *Helicobacter pylori* (HP) is the most common bacterial infection in the world and it may be associated with chronic gastritis, peptic ulcer disease, and gastric adenocarcinoma. The aim of this study was to determine the prevalence of HP in students of Golestan University of Medical Sciences (GOUMS).

Material and Methods: This cross-sectional study was conducted on students of GOUMS in 2012. Anti-HP IgG and IgA were assessed by ELISA method.

Results: The participants recruited were 287 in that 101 (35.2%) were male and the rest female. Of 287, 239 (83.3%) were positive for HP. The proportion of men was 91.1% and women 79% ($P = 0.03$). There was no significant relationship between HP infection and variables such as age, blood group, place of residence, nativity, and level of education.

Conclusion: The prevalence of *H. pylori* infection in the students of Golestan University of Medical Sciences is high.

Keywords: *Helicobacter Pylori*, Antibodies, Students, Golestan