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ABSTRACT

A Survey about Helicobacter Pylori Infection among Palestinians in Hebron

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Background: Helicobacter pylori is the most important cause for chronic or atrophic gastritis, peptic ulcer, gastric lymphoma and gastric carcinoma. It is a gram-negative spiral-shaped bacterium that affects up to 50% of the population worldwide, with a higher prevalence in developing or poor Countries.

Objectives: The aim of this study was to determine the prevalence of H. pylori among Palestinian in Hebron, identify the effect of some daily Habits on H. pylori infection and also to investigate if there is an association between H. pylori positivity and vitamin B12 deficiency.

Methods: The study included 200 individuals, aged 1-80 year(s), by making a questionnaire on Google Form, then Statistical analysis was prepared using Graphpad Prism version 9.

Results: Ninety- one (45.5%) of the 200 individuals were positive for H. pylori, thirty-eight (41.5%) of infected people were blood group A, Thirty-nine (42.85%) of H. Pylori patients have vitamin B12 deficiency, while fourteen (15.38%) of healthy individuals have vitamin B12 deficiency. There is a significant difference in the symptoms and some habits between infected and non- infected people, which are discussed in this article.



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Conclusion: About 50% of the population in Hebron city are infected with H. pylori, the highest blood group in H. pylori patients is (A) blood group and there is a relationship between vitamin B12 deficiency and H. pylori infection.

Keywords: Helicobacter pylori; H. pylori; vitamin B12.

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