

عنوان مقاله:

The relation between severe density of Helicobacter pylori in biopsy with cigarette smoking and age in infected patients

محل انتشار:

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نویسندگان:

Heshmat Shahi - *Cellular and Molecular Research Center, Shahrekord University of Medical Sciences, Shahrekord, Iran*

Mandana Moghni - *Department of Pathology, Shahrekord University of Medical Sciences, Shahrekord, Iran*

Hedayatollah Shirzad - *Cellular and Molecular Research Center, Shahrekord University of Medical Sciences, Shahrekord, Iran*

خلاصه مقاله:

Background and Aim: Helicobacter pylori infection is currently endemic worldwide health problem. The infection causes variety of gastrointestinal (GI) symptoms such as chronic gastritis, peptic ulcer, and gastric adenocarcinoma. It is clear that smoking is important to the development of disorders like intestinal disease. This study determines the relationship between H.pylori density and smoking. Materials and Methods: The study was performed in ۲۴۷ patients (۲۰-۸۰ years) both sexes, with dyspepsia symptoms referred to Hajar hospital. Demographic data were recorded, such as age and smoking history. Patients were checked by ۱۶ SrRNA and glmM genes polymerase chain reaction for H. pylori. Density of H.pylori graded according to the number of H.pylori bacteria counted in light microscopy by (x1۰۰۰ magnified).also patient had to have smoked for more than ۱ year. Results: We observed ۶۷.۶۱% of patients (۱۶۷ of ۲۴۷) were positive for H. pylori, and ۳۲.۳۹% were negative (۸۰ of ۲۴۷). In patients with dyspepsia, ۳۶.۴% in ۲۰-۴۰ age range, ۴۲.۱% in ۴۱-۶۱ and ۲۱.۵% in ۶۲-۸۰. Of total patients, ۵۷.۱% were smokers and in this number, ۷۸.۰۱% were H. pylori positive. Also study showed, in smokers and ۳th age range, sever density of H.pylori was more than nonsmokers and other ranges. A significant difference ($P<۰.۰۵$) was observed when we compared density of bacteria by age and smoker with nonsmoker groups. Conclusions: H.pylori sever density can be related by cigarette smoking and age.

کلمات کلیدی:

Helicobacter Pylori, Smoking, Age Factors, هلیکوباکتر پیلوری, سیگار, سن

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