

عنوان مقاله:

Molecular Detection of Oral Helicobacter pylori and Its Association with Dental Conditions Among Patients with Helicobacter Infection in Baghdad City

محل انتشار:

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خلاصه مقاله:

Background and Aim: Helicobacter pylori is found in the stomach and the oral cavity, which plays a significant role in oral diseases and recurrent gastric infections. This study aimed to detect the presence of oral H. pylori and investigate its potential association with dental caries and erosion. Materials and Methods: Saliva and plaque samples were collected from two groups: a study group of 40 H. pylori-infected patients, confirmed by immunological tests, and a control group included 40 subjects who were given negative results after laboratory examination. Molecular detection of H. pylori was performed using the polymerase chain reaction (PCR). Additionally, clinical assessments of dental caries and erosions were conducted. Results: The study group showed a higher prevalence of H. pylori in saliva (62.5%) compared to dental plaque (45.0%). Among the study group, 70% tested positive for H. pylori by PCR, while 30% tested negative. Dental caries experience (DMFS) was slightly higher in the study group compared to the control group, and significant differences in (DS) and (DMFT) ($p < 0.05$). The prevalence of dental erosion was also higher in the study group compared to the control group. Conclusion: The presence of H. pylori in the oral cavity represents an important risk factor for dental caries and erosion.

کلمات کلیدی:

Helicobacter pylori, PCR, Dental erosion, Saliva, هلیکوباکتر پیلوری, PCR, فرسایش دندان, بزاق

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