

Relationship between *Helicobacter pylori* infection and gastric cancer

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Abstract

AIM: The purpose of this study was to investigate the relationship between *Helicobacter pylori* (Hp) infection and gastric cancer.

METHODS: Hp in 4 antral bioptic specimens was examined by rapid urease test and serum anti-Hp IgG was screened by enzyme linked immunosorbent assay in 21 chronic superficial gastritis (CSG), 26 duodenal ulcer (DU) and 23 advanced gastric cancer patients

(AGC). Gastroscopy and historical examination were carried out in all patients.

RESULTS: Hp infection percent in CSG, DU and AGC was 52.4%, 88.5% and 78.3%, respectively. There was significant difference between CSG and DU about Hp infection ($P < 0.01$) and there was no difference between CSG and AGC about Hp infection ($P > 0.05$). Hp infection was higher in gastric adenocarcinoma than in gastric signet-ring cellular cancer ($P < 0.05$).

CONCLUSION: (1) There was no significant relationship between Hp and AGC. (2) But there was much more relation between Hp and gastric adenocarcinoma.

Key words: Stomach neoplasms/pathology; *Helicobacter pylori*; *Helicobacter* infed; *Helicobacter* infections; Gastritis

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