

论著

COX-2在胃癌组织中的表达及与Hp感染的关系探讨

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摘要 目的: 研究环氧化酶-2(cyclooxygenase-2, COX-2)在胃癌组织中的表达及与幽门螺旋杆菌(Helicobacter pylori, Hp)感染的关系, 为寻找有效的胃癌预防措施提供理论依据。方法: 用免疫组织化学法检测35例胃癌、18例胃的不典型增生及15例慢性浅表性胃炎组织中COX-2蛋白表达; 用快速尿素酶法检测上述组织的Hp感染情况。结果: 胃癌、胃的不典型增生及慢性浅表性胃炎组织COX-2表达的阳性率分别为85.71%、72.22%和6.67%。共有35例COX-2阳性的胃组织Hp感染阳性。结论: COX-2可能参与胃癌的早期形成, Hp感染可能是其过度表达的机制之一。

关键词 [环氧化酶-2](#); [幽门螺旋杆菌](#); [胃肿瘤](#); [胃的不典型增生](#)

CORRELATION BETWEEN CYCLOOXYGENASE-2 PROTEIN IN GASTRIC CARCINOMA AND

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Abstract Purpose: To investigate cyclooxygenase - 2(COX - 2) protein expression in gastric carcinoma and its relationship with the helicobacter pylori(Hp) infection, supply rationale for chemoprevention of gastric carcinoma. Methods: 35 biopsy specimen from gastric carcinoma, 18 from gastric dysplasia and 15 from patients with chronic gastritis were examined for COX-2 protein expression by immunohistochemistry, and Hp infection condition by urease test, respectively. Results: Positive rates of COX - 2 expression in gastric carcinoma group, gastric dysplasia group and chronic gastritis group were 85.71%, 72.22% and 6.67%, respectively. 35 patients in COX - 2 positive cases were Hp positive. Conclusion: COX-2 protein overexpression may contribute to an early event of gastric cancer development and Hp infection may be one of the mechanisms of COX - 2 overexpression.

Keywords [cyclooxygenase - 2](#) [Helicobacter pylori](#) [gastric carcinoma](#) [gastric dysplasia](#)

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