

胃癌发生不同阶段E-cadherin和TCF4的联合检测及其对胃癌Lauren's分型的意义

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Combining Detection of E-cadherin and TCF4 in Different Stages of Gastric Cancer and Its Significance of Lauren's Systematic Type

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摘要 目的探讨E-cadherin/TCF4联合检测在慢性浅表性胃炎、萎缩性胃炎、胃癌组织中的表达及其对胃癌Lauren's分型的意义。方法随机选取不同黏膜活检标本300例进行免疫组织化学双染色, 观察E-cadherin/TCF4表达。结果E-cadherin/TCF4在慢性浅表性胃炎、萎缩性胃炎、胃癌组织的表达差异无统计学意义($P>0.05$); 在肠上皮化生、非肠上皮化生组织中, 差异也无统计学意义($P>0.05$)。在肠型胃癌及弥漫型胃癌组织, E-cadherin-/TCF4-、E-cadherin-/TCF4+ 蛋白表达均为肠型胃癌低于弥漫型胃癌($P<0.01$); E-cadherin+/TCF4-、E-cadherin+/TCF4+蛋白表达为肠型胃癌(90.0%)明显高于弥漫型胃癌(55.0%)($P<0.01$)。结论E-cadherin/TCF4协同表达可作为确定胃癌组织学类型的指标, 为胃癌的研究提供了一个新的思路及方向。

关键词: E-cadherin/TCF4 胃疾病 Lauren's分型 免疫组织化学双染

Abstract: Objective To investigate the expression of E-cadherin /TCF4 with combined detection in chronic superficial gastritis, atrophic gastritis and gastric carcinoma and its Lauren's systematic significance. Methods Totally 300 mucosal specimens of chronic superficial gastritis, atrophic gastritis and gastric carcinoma were selected, immunohistochemical double staining were used to observe the expression of E-cadherin/TCF4. Results There were no significant difference among the expression of E-cadherin/TCF4 in chronic superficial gastritis, atrophic gastritis and gastric cancer tissues ($P>0.05$), so were that between intestinal metaplasia and non-intestinal metaplasia. The expression of E-cadherin-/TCF4- and E-cadherin-/TCF4+ in intestinal type gastric cancer were all lower than that in diffuse type ($P<0.01$); and the expression of E-cadherin + / TCF4 + (90.0%) in intestinal type were more significant than that in diffuse type (55.0%) ($P<0.01$). Conclusion Synergistic expression of E-cadherin/TCF4 had statistical significance in different histological classifications of gastric cancer. It can be used as an indicator to determine the histological type of gastric cancer and a new way or direction of the gastric cancer study.

Key words: E-cadherin/TCF4 Gastric disease Lauren's classification Immunohistochemical double staining

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