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论著

Ezrin和E-cadherin在鼻咽癌组织中的表达及意义

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摘要:

目的: 检测鼻咽癌组织中埃兹蛋白(Ezrin)及上皮细胞钙黏蛋白(E-cadherin)的表达情况, 探讨它们与肿瘤侵袭、转移及预后的关系。方法: 应用免疫组织化学SP法检测Ezrin及E-cadherin蛋白在42例鼻咽癌组织和10例鼻咽炎性组织中的表达情况。结果: 鼻咽癌组织中Ezrin蛋白的表达显著高于鼻咽炎性组织($P<0.05$), 而鼻咽癌组织中E-cadherin蛋白的表达显著低于鼻咽炎性组织($P<0.05$)。Ezrin和E-cadherin蛋白在鼻咽癌组织中的表达均与鼻咽癌的T分期、颈淋巴结转移、临床分期密切相关($P<0.05$)。Ezrin与E-cadherin在鼻咽癌组织中的表达呈明显负相关($r=-0.450$, $P<0.05$)。生存分析显示Ezrin阳性表达、肿瘤TNM分期、E-cadherin表达下调及有淋巴结转移者与鼻咽癌患者的生存率有关($P<0.05$)。结论: Ezrin和E-cadherin在鼻咽癌组织中的表达呈明显的负相关。Ezrin和E-cadherin与鼻咽癌临床分期、淋巴结转移有关, 有可能作为鼻咽癌的重要肿瘤标志物。联合检测Ezrin和E-cadherin的表达水平, 可能为鼻咽癌预后判断提供依据。

关键词: 鼻咽癌 埃兹蛋白 上皮细胞钙黏蛋白 预后

Expression of Ezrin and E-cadherin in nasopharyngeal carcinoma and its significance

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Abstract:

ObjectiveTo explore the association of Ezrin and E-cadherin expression with the invasion, metastasis and prognosis of nasopharyngeal carcinoma.MethodsImmunohistochemical SP staining was used to detect the expression of Ezrin and E-cadherin in 42 nasopharyngeal carcinoma and 10 chronic nasopharyngitis specimens. ResultsEzrin protein expression in the nasopharyngeal carcinoma tissues was significantly higher than that in the chronic nasopharyngitis tissues ($P<0.05$). E-cadherin expression in the nasopharyngeal carcinoma tissues was significantly lower than that in the chronic nasopharyngitis tissues ($P<0.05$). Expressions of both Ezrin and E-cadherin of nasopharyngeal carcinoma were closely associated with T staging, the cervical lymph node metastases and clinical staging ($P<0.05$). A negative correlation was found between Ezrin and E-cadherin expression in the nasopharyngeal carcinoma tissues($r=-0.450$, $P<0.05$). Survival analysis showed that the abnormal expression of Ezrin and E-cadherin, clinical staging and the cervical lymph node metastases were associated with the survival rate of patients with nasopharyngeal carcinoma. ConclusionA negative correlation is found between Ezrin and E-cadherin expression in the nasopharyngeal carcinoma tissues. Ezrin and E-cadherin are closely related to clinical staging and the cervical lymph node metastases of nasopharyngeal carcinoma,suggesting that they may be important tumor markers for nasopharyngeal carcinoma. Combined detection of the expressions of Ezrin and E-cadherin is helpful for clinical doctors to determine the prognosis of patients with nasopharyngeal carcinoma.

Keywords: nasopharyngeal carcinoma; Ezrin; E-cadherin; prognosis

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