

基础研究

肝细胞肝癌中uPA及vimentin蛋白的表达及意义

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摘要:

目的: 探讨uPA及vimentin在肝细胞肝癌(HCC)组织中的表达及其临床病理意义。方法: 应用免疫组化法检测HCC及其癌旁组织(88例)与正常肝组织(8例)中uPA及vimentin的表达情况, 并分析两者与临床病理特征的关系及两者表达的相关性。结果: 在HCC组织中uPA及vimentin蛋白阳性表达率分别为63.6%(56/88)和72.7%(64/88), 两者均明显高于癌旁组织(27.3%和15.9%)和正常肝组织(12.5%和12.5%)(均 $P<0.0125$); uPA和vimentin在HCC中的表达与门静脉癌栓及肝被膜浸润有关($P<0.05$), 且两者在HCC中的表达互呈正相关($r=0.227, P=0.034$)。结论: 在HCC中, uPA和vimentin的表达呈正相关, 且两者的阳性表达与患者不良临床特征有关。

关键词: 肝肿瘤; 尿纤溶酶原激活物; Vimentin; 免疫组织化学

Expression of uPA and vimentin in hepatocellular carcinoma and their significance

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Abstract:

Objective: To investigate the expressions of uPA and vimentin protein in hepatocellular carcinoma (HCC) and their clinicopathologic significance. Methods: The expressions of uPA and vimentin protein in HCC along with their paired adjacent tissues (88 cases) and normal liver tissues (8 cases) were determined by immunohistochemical staining. The relations of the expressions of the both proteins with the clinicopathologic characteristics of HCC patients, and the correlation between themselves were analyzed. Results: The positive expression rates of uPA and vimentin protein in HCC tissues were 63.6% and 72.7% respectively, and both were significantly higher than those in their adjacent tissues (27.3% and 15.9%) and normal liver tissue (12.5% and 12.5%) (all $P<0.0125$). The expressions of uPA and vimentin protein in HCC were associated with the presence of portal vein tumor thrombus and liver capsule invasion (all $P<0.05$), and there was a positive correlation between the expressions of uPA and vimentin protein in HCC tissues ($r=0.227, P=0.034$). Conclusion: The expressions of uPA and vimentin protein in HCC are positively correlated and both positive expressions are associated with the unfavorable clinical characteristics of the patients.

Keywords: Liver Neoplasms Urinary Plasminogen Activator Vimentin Immunohistochemistry

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