

检测研究

T细胞非霍奇金淋巴瘤中ZAP_70的表达及其与P53、Ki67的相关性

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收稿日期 2007-4-9 修回日期 2007-9-4 网络版发布日期:

摘要 背景与目的: 检测T细胞非霍奇金淋巴瘤(T_NHL)中ZAP_70的表达水平变化, 分析ZAP_70与P53、Ki67的相关性, 探讨ZAP_70蛋白在T_NHL中表达的意义。材料与方法: 采用SP免疫组织化学方法检测48例T_NHL中ZAP_70、P53、Ki67蛋白的表达, 利用 χ^2 、t检验、Spearman's等级相关检验方法分析3种蛋白表达的相关性。结果: ZAP_70在T_NHL中的表达阳性率为58.3%。肿瘤恶性程度越高, ZAP_70蛋白的表达水平越低, ZAP_70蛋白与肿瘤的恶性程度呈负相关关系(P=0.001); P53、Ki67蛋白与肿瘤的恶性程度呈正相关, P53蛋白的表达与Ki67蛋白之间存在相关性(P<0.01), 且P53蛋白与EB病毒感染呈正相关(P<0.05)。结论: ZAP_70蛋白表达的缺失对于恶性T细胞淋巴瘤的诊断可能具有一定的辅助作用; 联合检测P53与Ki67蛋白的表达水平对判断T_NHL的预后, 指导术后辅助治疗具有重要意义。

关键词 [T细胞非霍奇金淋巴瘤](#); [ZAP_70](#); [P53](#); [Ki67](#)

Expression of ZAP_70 Protein in T Cell Non_Hodgkin's Lymphoma and It's Correlation With P53 and Ki67

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Abstract **ACKGROUND & AIM:** Assessed the expression of ZAP_70 in T_NHL, and analyzed the correlation between ZAP_70 and P53, Ki67, to explore the significance of ZAP_70 protein expression in T_NHL. **MATERIALS AND METHODS:** Evaluated the expression of ZAP_70, P53 and Ki67 in 48 T_NHL by SP immunohistochemistry techniques. The results were analyzed by χ^2 , t test and Spearman's rank correlation. **RESULTS:** Expression of ZAP_70 was detected in 58.3% T_cell lymphomas, and the expression of this protein was correlated negatively with tumor grade. Expression of ZAP_70 in high_grade T_NHL was significantly lower than that in low_grade T_NHL(P=0.001). Of 48 T_NHL, expression of P53 was not only correlated positively with tumor grade, but also had a positive relationship with infection of EBV (P<0.05). The expression of ki67 was also increased in high_grade T_NHL. Statistical analysis demonstrated that there was a positive correlation between P53 and Ki67 (P<0.01). **CONCLUSION:** Absence of ZAP_70 may be diagnostically useful in paraffin sections suggesting T_NHL. Simultaneous measurement of P53 and Ki67 may have great importance in evaluating prognosis and directing therapy after operation in T_NHL.

Keywords [T cell non_Hodgkin lymphoma](#) [ZAP_70](#) [P53](#) [Ki67](#)

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