

论文

微管不稳定蛋白Stathmin与喉乳头状瘤的相关性

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摘要:

目的 通过检测Stathmin蛋白在喉乳头状瘤组织及声带息肉组织中的表达情况, 探讨其在喉乳头状瘤发生、发展过程中的作用。方法 采用免疫组织化学技术(PV-9000二步法)检测Stathmin蛋白在60例喉乳头状瘤和15例声带息肉组织中的表达情况, 应用Image-ProPlus图像分析软件测定免疫组化图像的平均光密度(MOD), 运用SPSS13.0软件进行统计学分析, 观察Stathmin蛋白与喉乳头状瘤临床特征之间的关系。结果 Stathmin蛋白在喉乳头状瘤组织的阳性表达率为88.33%, 明显高于其在声带息肉组织中的阳性表达率(53.33%), 差异有统计学意义(P<0.05)。Stathmin蛋白的表达与临床分型、是否复发、患者性别及年龄均无相关性(P>0.05)。结论 Stathmin蛋白在喉乳头状瘤组织中高表达, 可能与人喉乳头状瘤的发生、发展密切相关。

关键词: 喉乳头状瘤; Stathmin; 免疫组化

Association between stathmin and laryngeal papilloma

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Abstract:

Objective To detect the expression of Stathmin in laryngeal papilloma(LP) and polyp of vocal cord and to explore its role in the development of LP. Methods Immunohistochemical (PV-9000 two-step method) method was used to analyze the protein expression of Stathmin in paraffin embedded tissues from 60 cases of laryngeal papilloma and 15 cases of vocal cord polyp. Image-ProPlus software was used to determine the average optical density (MOD) of immunohistochemical image, and the relation between MOD and clinical feature of LP was analyzed. Results The positive expression rate of Stathmin protein in LP tissues (88.33%) was higher than in polyp of vocal cord (53.33%), and the difference was significant(P<0.05). The expression of Stathmin protein had no relations with clinical type, disease relapse, sex and age of patients (P>0.05). Conclusion The high expression of Stathmin protein in LP tissues may be closely related to the occurrence and development of human LP.

Keywords: Laryngeal papilloma; Stathmin; Immunohistochemistry

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