

Moesin和E-cadherin与甲状腺乳头状癌侵袭的相关性

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Correlation of Moesin and E-cadherin with Invasion of Papillary Thyroid Carcinoma

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全文: PDF (1382 KB) HTML (0 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目的

探讨膜突蛋白(Moesin)和上皮型钙黏蛋白(E-cadherin)在甲状腺乳头状癌侵袭、转移中的作用。方法采用免疫组织化学SP法,检测81例甲状腺乳头状癌和癌旁正常组织中Moesin和E-cadherin的表达,并将检测结果结合患者的临床资料(性别、年龄、肿瘤大小、局部侵犯、颈淋巴结转移、TNM分期)等进行分析。结果甲状腺乳头状癌中的Moesin和E-cadherin的阳性表达率与癌旁正常甲状腺组织之间的差异均有统计学意义($P < 0.01$)。患者年龄 ≥ 45 岁、肿瘤侵犯甲状腺被膜外、有颈淋巴结转移、III~IV期甲状腺乳头状癌, Moesin的阳性表达率增高,差异有统计学意义($P < 0.01$);而E-cadherin的阳性表达率降低,差异有统计学意义($P < 0.01$)。甲状腺乳头状癌中Moesin与E-cadherin的阳性表达具有相关性($r = -0.494$, $P < 0.01$)。结论甲状腺乳头状癌中Moesin的高表达和E-cadherin的低表达与肿瘤的侵袭和转移有关,两者之间具有协同作用。

关键词: 甲状腺乳头状癌 膜突蛋白 上皮型钙黏蛋白

Abstract: Objective

To assess the significance of Moesin and E-cadherin in invasion and metastasis of papillary thyroid carcinoma(PTC). Methods The expressions of Moesin and E-cadherin in 81 cases of PTC and normal thyroid tissues adjacent to cancer were analyzed by immunohistochemical staining. The correlation between these 2 factors(Moesin, E-cadherin) and clinical features of PTC such as gender, age, tumor size, invasion and lymph node metastasis were studied. Results The rates of immuno-positive staining of Moesin and E-cadherin in PTC were significantly higher than that in the normal thyroid tissues adjacent to cancer ($P < 0.01$). The positive expression rates of Moesin in PTC with age ≥ 45 years, local invasion, lymph node metastasis and in stage III~IV was higher than PTC with age < 45 years, without local invasion, without metastasis and in stage I~II. There was significant difference, respectively ($P < 0.01$). The positive expression rates of E-cadherin in PTC with age ≥ 45 years, local invasion, lymph node metastasis and in stage III~IV was lower than PTC with age < 45 years, without local invasion, without metastasis and in stage I~II. There was significant difference, respectively ($P < 0.01$). There was correlation between the expressions of Moesin and E-cadherin in PTC ($r = -0.494$, $P < 0.01$). Conclusion The high expressions of Moesin and the low expression of E-cadherin were related to invasion and metastasis of PTC. And the 2 factors have cooperative.

Key words: Papillary thyroid carcinoma Moesin E-cadherin

收稿日期: 2010-12-30;

引用本文:

刘畅,陶晓峰,高政南等. Moesin和E-cadherin与甲状腺乳头状癌侵袭的相关性[J]. 肿瘤防治研究, 2012, 39(1): 44-47.

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