

Annexin A5表达与鼻咽癌分化转移的关系

李岭^{1,2}, 庄英帜¹

1.421001湖南衡阳, 南华大学附属第一医院肿瘤内科; 2.南华大学附属第二医院肿瘤血液科

Relationship between Expression of Annexin A5 and Differentiation and Metastasis of Nasopharyngeal Carcinoma

LI Ling^{1,2}, ZHUANG Ying-zhi¹

1.Department of Oncology,The First Affiliated Hospital,University of South China,Henyang 421001,China; 2.Department of Oncology and Blood,The Second Affiliated Hospital, University of South China

- 摘要
- 参考文献
- 相关文章

全文: PDF (1983 KB) HTML (0 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 摘要: 目的探讨Annexin A5表达与鼻咽癌分化和转移的关系。方法采用免疫组织化学方法检测65例鼻咽癌、18例淋巴结转移性鼻咽癌和20例慢性鼻炎标本中Annexin A5的表达水平, 并分析其表达水平与鼻咽癌临床病理特征的关系; 采用Western blot检测不同分化程度和不同转移潜能NPC细胞系中Annexin A5的表达; 采用siRNA技术下调5-8F细胞中Annexin A5表达后, 观察其侵袭能力的变化。结果Annexin A5的阳性表达率在鼻咽癌、淋巴结转移鼻咽癌和对照组中分别为84.6% (55/65)、94.4% (17/18) 和10.0% (2/20); 淋巴结转移性鼻咽癌组高于鼻咽癌组, 鼻咽癌组高于对照组, 差异有统计学意义($P<0.05$)。Annexin A5表达与组织学类型、局部转移、淋巴结转移、远处转移、临床分期和复发有关($P<0.05$), 而与年龄, 性别无关。Annexin A5表达下调能降低NPC细胞的侵袭能力。结论Annexin A5表达与鼻咽癌的分化和转移有关, 可作为NPC分化、转移及预后的分子标志物。

关键词: 鼻咽癌 膜联蛋白5 分化 转移 分子标志物

Abstract: Objective To study the relationship between expression of Annexin A5 and the differentiation and metastasis of nasopharyngeal carcinoma (NPC). Methods The expression of Annexin A5 in specimens of 65 of NPC, 18 of lymph node metastasizing NPC (LMNPC) and 20 of chronic rhinitis (CR) were detected by immunohistochemistry. The correlation between the expression of Annexin A5 and clinic factors was analyzed. The expression of Annexin A5 in NPC cell lines with differential differentiation degree and metastasis potency was detected by Western blot. Observe the change of invasive capability of NPC cells after the downregulation of Annexin A5 by siRNA. Results The positive ratio of Annexin A5 in NPC, LMNPC and CR were 84.6% (55/65), 94.4% (17/18) and 10.0% (2/20), respectively. There were significant difference in the expression of Annexin A5 between NPC and LMNPC, NPC and CR ($P<0.05$). There were correlation among the expression of Annexin A5 and histological type, regional meastasis, distant metastasis, clinic stage and recurrence ($P<0.05$). And was no relationship with ages and gender. There was relationship among expression of Annexin A5 and differentiation and metastasis of NPC. Downregulation of Annexin A5 can decrease the invasive capability of 5-8F cells. Conclusion There was relationship among the expression of Annexin A5 and the differentiation and metastasis of NPC, and could serve as a biomarker of differentiation, metastasis and prognosis in NPC.

Key words: Nasopharyngeal carcinoma Annexin A5 Differentiation Metastasis Biomarker

收稿日期: 2010-04-26;

引用本文:

李岭,庄英帜. Annexin A5表达与鼻咽癌分化转移的关系[J]. 肿瘤防治研究, 2011, 38(4): 389-393.

服务

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- E-mail Alert
- RSS

作者相关文章

- 李岭
- 庄英帜

没有本文参考文献

- [1] 熊晖;孙宁;姚运红;李飞虹;蔡琼珍. CK、Tubulin- β 和PCNA在鼻咽癌放疗后复发组织中的表达及意义[J]. 肿瘤防治研究, 2012, 39(2): 161-165.
- [2] 刘志容;吴诚义. MMP-3、Vimentin联合检测与乳腺癌侵袭转移的关系[J]. 肿瘤防治研究, 2012, 39(2): 222-224.
- [3] 张健文;吴敬波. 原发性中枢神经系统肿瘤颅外转移状况 [J]. 肿瘤防治研究, 2012, 39(2): 238-240.
- [4] 廖家华;林焕新;孙健;孙蕊;郭灵;. 多西紫杉醇在荷人鼻咽癌裸小鼠的时间化疗研究[J]. 肿瘤防治研究, 2012, 39(1): 18-22.
- [5] 龚龙;易春华;陈文奎;童彦初. 分化型甲状腺癌颈淋巴结转移特点的回溯性分析[J]. 肿瘤防治研究, 2012, 39(1): 48-50.
- [6] 沈险华;董丽萍;吴绪峰. 宫颈癌转移至远处胆道系统1例报道[J]. 肿瘤防治研究, 2012, 39(1): 120-120.
- [7] 邹国荣;曹小龙;张超;谢方云;李济时;彭苗. 非转移性T4期鼻咽癌的预后影响因素分析[J]. 肿瘤防治研究, 2011, 38(9): 1016-1022.
- [8] 周英琼;肖胜军;侯巧燕;莫文法. TGF- β 1及其信号转导通路分子在鼻咽癌组织芯片中的表达及意义[J]. 肿瘤防治研究, 2011, 38(9): 1023-1027.
- [9] 孙海燕;王言青;邢艳敏;谢广茹. 直肠癌根治术后肝转移的危险因素分析[J]. 肿瘤防治研究, 2011, 38(9): 1046-1049.
- [10] 黄少军;程正江;汪晶晶. 胃肠肿瘤患者手术前后外周血survivin mRNA定量检测的临床意义 [J]. 肿瘤防治研究, 2011, 38(9): 1050-1052.
- [11] 苏晓三;张蕾. 肿瘤术后免疫抑制与肿瘤转移[J]. 肿瘤防治研究, 2011, 38(9): 1078-1081.
- [12] 吴月兵;范玉华;于丁;夏和顺. 少年三原发恶性肿瘤1例报告[J]. 肿瘤防治研究, 2011, 38(9): 1096-1096.
- [13] 杨润祥;任宏轩;段林灿;罗春香;李梅;刘林. 非小细胞肺癌中D2-40、CCR7的表达与淋巴结转移的关系[J]. 肿瘤防治研究, 2011, 38(8): 921-925.
- [14] 钟燕军;胡汉宁;杨桂;涂建成;喻明霞. NFAT在乳腺癌中的研究进展[J]. 肿瘤防治研究, 2011, 38(8): 960-962.
- [15] 许淑茹;马军;袁志刚;黄勇奇;苏上贵;胡启平. 蛇毒精氨酸酯酶Agkhipin对人鼻咽癌CNE-2细胞系MRP1表达的影响 [J]. 肿瘤防治研究, 2011, 38(7): 731-735.