

## p53、bcl-2 和 CD44v6 蛋白表达与乳腺癌转移的相关性研究

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### The Study of Correlation between p53 bcl-2 CD44v6 Expression and Metastasis of Breast Cancer

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#### 摘要

目的 探讨乳腺癌及癌旁正常乳腺组织中p53、bcl-2和CD44v6蛋白的表达及意义。方法 采用免疫组化法检测96例乳腺癌及其癌旁正常乳腺组织中p53、bcl-2和CD44v6蛋白的表达,并分析其与淋巴结转移和c-erbB-2表达状态的相关性,从而评价这些指标在预测乳腺癌转移方面的价值。结果 正常乳腺组织中p53蛋白为阴性,在乳腺癌中阳性表达率为65.63%;随着组织学分级的增高,阳性率逐渐增高;淋巴结转移组阳性表达率明显高于无淋巴结转移组,并与c-erbB-2表达状态呈正相关。乳腺癌组织中bcl-2阳性表达率明显低于周围正常乳腺组织,随着组织学分级的增高,阳性率逐渐降低,淋巴结转移组中的表达率明显低于淋巴结非转移组,与c-erbB-2的表达呈负相关。CD44v6在乳腺癌组织中的阳性表达率明显高于正常乳腺组织,随着组织学分期的增加,CD44v6的阳性表达率亦增高,但差异无显著性,淋巴结转移组的阳性率略高于无淋巴结转移组,差异也无显著性,与c-erbB-2表达无相关性。结论 p53和bcl-2蛋白可作为预测乳腺癌转移的指标,CD44v6的阳性表达可能与乳腺癌的发生、进展有一定关系,但尚不能把它作为预测乳腺癌转移的稳定的生物学指标。

关键词: 乳腺肿瘤 p53 bcl-2 CD44v6

Abstract: Objective To investigate the expression and significance of p53, bcl-2 and CD44v6 in breast cancer and normal breast tissue beside cancer tissue. Methods Expression of p53, bcl-2 and CD44v6 were tested in 96 cases by immunohistochemical methods. The significance of these markers was evaluated by analyzing the correlation between these markers and lymph node metastasis, expression of c-erbB-2. Results p53 was negative in normal breast tissue while was positive in 65.63% cancer tissue. There was a significant positive correlation between expression of p53 and histological grade, lymph node metastasis, expression of c-erbB-2. Expression of bcl-2 in breast tissue was significantly lower than that in normal tissue and a negative correlation was found between expression of bcl-2 and histological grade, lymph-node metastasis, expression of c-erbB-2. Expression of CD44v6 in breast tissue was significantly higher than that in normal tissue and no correlation was found between expression of CD44v6 and histological grade, lymph-node metastasis, expression of c-erbB-2. Conclusion p53 and bcl-2 can be used as important metastasis markers for breast cancer, while CD44v6 can not be regarded as a stable biological symbol of metastasis even though it also has some relationship with breast cancer yet.

Key words: Breast neoplasm p53 bcl-2 CD44v6

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- [1] 龚益平;漆楚波;王明伟;陈创;赵德绵;许娟;邵军;程洪涛;夏和顺 . 三阴性乳腺癌的预后与上皮间叶转化的相关性[J]. 肿瘤防治研究, 2012, 39(2): 173-176.
- [2] 王艳阳;折虹;丁喆;詹文华. Basal-like型乳腺癌临床特征与生存分析[J]. 肿瘤防治研究, 2012, 39(2): 177-180.
- [3] 马骏;聂胜男;史本玲;左文述. 豆制品与乳腺癌相关性的Meta分析[J]. 肿瘤防治研究, 2012, 39(2): 218-221.
- [4] 刘莹;朱祖安;费素娟;刘磊;孙旻;张秋月 . 神经酰胺促胃癌SGC7901细胞凋亡的实验[J]. 肿瘤防治研究, 2011, 38(9): 991-994.
- [5] 余俚瑶;张庆华. 姜黄素抑制宫颈癌HeLa细胞增殖的机制[J]. 肿瘤防治研究, 2011, 38(8): 899-902.
- [6] 陈正言. 食管黏膜癌变过程中组织细胞增殖、凋亡和p53表达的变化 [J]. 肿瘤防治研究, 2011, 38(8): 918-920.
- [7] 赵云;李媛媛;张宝刚;刘秀静;徐滨;赵一诺;刘雨清;王琳 . 小RNA干扰降低COX-2表达对乳腺癌细胞趋化和侵袭能力的影响[J]. 肿瘤防治研究, 2011, 38(7): 745-748.
- [8] 杨廷桐;武俊芳;李秀杰;孙洁;候夏宝 . p53基因突变对非小细胞肺癌TSG101/MDM2信号通路的影响[J]. 肿瘤防治研究, 2011, 38(7): 774-777.
- [9] 陈光侠;晏燕;郑丽红;何晓华;陆敬华;刘世育 . 重组人p53腺病毒联合奥沙利铂对胃癌细胞SGC-7901的生长抑制作用[J]. 肿瘤防治研究, 2011, 38(6): 639-642.
- [10] 陈漫霞;姚振江;陈思东;王漫云;许雅;蔡旭玲 . 原发性肝细胞癌中P-gp、Topo II  $\alpha$ 和P53的 表达及意义 [J]. 肿瘤防治研究, 2011, 38(3): 278-280.
- [11] 范德生;甄蕾;孙宁 . 姜黄素对人鼻咽癌CNE-2Z细胞增殖及 凋亡的影响 [J]. 肿瘤防治研究, 2011, 38(3): 254-256.
- [12] 王鸿雁;邓元. 肾脏巨大恶性孤立性纤维瘤的临床病理分析[J]. 肿瘤防治研究, 2011, 38(2): 174-178.
- [13] 张明帅;张国庆;甫拉提;齐新;蒋威华;倪多. 新疆维吾尔族女性乳腺癌腋窝淋巴结转移的危险因素分析[J]. 肿瘤防治研究, 2011, 38(12): 1443-1445.
- [14] 李有杰;孙强;岳真;郝青;高宗华;张丽霞;谢书阳 . 顺铂致A549细胞miR-16与bcl-2表达的变化[J]. 肿瘤防治研究, 2011, 38(11): 1224-1227.
- [15] 郑溢声;武宁;宁允叶;官正标;李强. 西咪替丁对人肺腺癌A549细胞增殖和凋亡的影响 [J]. 肿瘤防治研究, 2011, 38(10): 1097-1100.