

前列腺癌组织中Kindlin-2和Clusterin蛋白表达及与PSA含量的相关性

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Title: The correlation between PSA and expression of Kindlin-2 and Clusterin in prostate cancer tissue

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摘要: 目的: 探讨前列腺特异性抗原 (PSA) 含量和前列腺癌 (PCA) 组织中Clusterin、Kindlin-2蛋白阳性表达的相关性, 研究前列腺癌的治疗策略。方法: 45例前列腺增生和55例前列腺癌组织应用免疫组织化学方法检测凋亡蛋白Kindlin-2、Clusterin的表达并检测对应病例的血浆PSA含量。结果: Clusterin、Kindlin-2蛋白在前列腺癌组织中的阳性表达率分别为50.9%(28/55)、63.6%(35/55), Clusterin和Kindlin-2蛋白在前列腺增生组织中的阳性表达率分别为0(0/45)、51.1%(23/45)。在前列腺癌和前列腺增生组织中Clusterin和Kindlin-2阳性表达率具有统计学差异 ($P < 0.05$); Clusterin和Kindlin-2蛋白表达与前列腺癌病理分级、临床分期、转移情况和PSA含量相关, 差异有统计学意义 ($P < 0.05$)。结论: 联合检测Kindlin-2、Clusterin蛋白和PSA可为前列腺癌提供一种新的联合检查方法。

Abstract: Objective: To detect the expression of Kindlin-2, Clusterin and PSA and their correlation in prostate cancer (PCA), we investigated the methods of therapy to PCA. Methods: Immunohistochemistry was employed to measure the expression of Kindlin-2 and Clusterin in 55 cases of prostatic cancer and 45 cases of benign prostatic hyperplasia and PSA in prostate. Results: In prostatic cancer tissue, the positive expression rates of Clusterin and Kindlin-2 were 50.9%(28/55), 63.6%(35/55). In benign prostatic hyperplasia tissue, the positive expression rates of Kindlin-2 and Clusterin were 0(0/45), 51.1%(23/45). The positive expression of Kindlin-2 and Clusterin between prostatic cancer and benign prostatic hyperplasia was significantly different ($P < 0.05$). The positive expression of Kindlin-2 and Clusterin were related with the histologic grade, clinical stage, metastasis and PSA ($P < 0.05$). Conclusion: The joint detection of Kindlin-2, Clusterin and PSA may offer a new method of joint inspection for prostate cancer.

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