

乳腺癌患者手术前后血清S-CD105 的表达及相关因素分析

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Expression and Correlation Factor Analysis of S-CD105 in Serum between Pre- and Post-operation in Breast Cancer Patients

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- 摘要
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摘要 目的 探讨乳腺癌患者手术前、后血清S-CD105的表达情况及其影响因素。方法 用酶联免疫吸附实验(ELISA)检测37例乳腺癌,10例乳腺良性肿瘤患者及10位健康成年女性血清S-CD105的浓度。结果 乳腺癌患者血清S-CD105浓度明显高于乳腺良性肿瘤患者及健康女性(P=0.021);手术前组血清S-CD105浓度明显高于术后30天组(P=0.000);术后3()天组血清S-CD105浓度与乳腺良性肿瘤患者及健康女性之间无差异(P=0.311);进一步研究发现:肿瘤最大直径≥5cm、淋巴结转移≥4枚、临床TNM分期Ⅱ期以上以及肿瘤组织血管内皮生长因子(VEGF)表达强阳性的患者,血清S-CD105浓度均明显升高(P<0.05);1例骨转移患者血清S-CD105浓度明显升高。结论 手术前乳腺癌患者血清S-CD105表达明显升高,且与肿瘤大小、淋巴结转移、临床分期以及肿瘤组织中VEGF表达水平明显相关,表明其具有评价预后的临床价值。1例术后骨转移患者血清S-CD105浓度显著升高,表明其可能具有监测复发和转移的临床价值,有待于进一步研究。

关键词: 乳腺肿瘤 S-CD105 手术 血清 预后

Abstract: Objective To explore the expression and affective factors of S-CD105 in serum between pre-and post- operation in breast cancer patient s. Methods Serum level of S-CD105 was detected by EL ISA in 37 breast cancer patient s ,10 patients with breast benign tumor patients and 10 healthy adults. Results Serum level of S-CD105 in breast cancer patients was obviously higher than that in patients with benign tumor and healthy adults (P = 0. 021) ; serum level of S-CD105 in pre-operation patients was obviously higher than that in post-operation patients (P = 0. 000) . Further study found that serum level of S-CD105 risen up obviously in patients with the biggest diameter of tumor more than 5 cm ,lymph node metastasis more than 4 ,clinical TNM staging II or III stages and tissue with strongly positive expression of VEGF (P < 0. 05) ;the level in 1 patient with osseous metastasis risen up obviously. Conclusion The expression of S-CD105 in serum rose up obviously in breast cancer patients ,and it was positive correlated with tumor size ,axillary lymph node metastasis ,clinical TNM staging and the expression of VEGF in breast cancer tissues ,which indicates that S-CD105 has the clinical values in evaluation of prognosis. Serum level of S-CD105 in 1 patient with osseous metastasis af ter operation rose up ,which indicated that S-CD105 might have the clinical value in monitoring the recurrence and metastasis , further study should be done.

Key words: Breast neoplasm S-CD105 Operation serum Prognosis

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