

金米益肺汤对非小细胞肺癌患者血清VEGF表达的影响

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Effect of Jinmi Decoction on Concentration of Serum Vascular Endothelial Growth Factor in Non-small Cell Lung Cancer

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全文: PDF (957 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目的

研究金米益肺汤对非小细胞肺癌患者血清中VEGF水平的影响,并探讨其抗肿瘤作用机制。方法将60例非小细胞肺癌患者随机分为联合治疗组与化疗组,联合治疗组采用金米益肺汤联合化疗,化疗组采用单纯化疗,应用ELISA法测定两组患者治疗前后及20例健康体检人员血清中VEGF的表达。结果非小细胞肺癌患者血清中VEGF表达为(389.45±80.23)pg/ml,明显高于健康对照组(97.67±42.63)pg/ml,差异有统计学意义($P<0.01$)。治疗后检测联合治疗组血清VEGF表达为(231.52±83.91)pg/ml,低于单纯化疗组(295.17±76.43)pg/ml,差异有统计学意义($P<0.05$)。结论金米益肺汤可显著降低非小细胞肺癌患者血清VEGF的表达,提示金米益肺汤具有抗肿瘤血管形成作用。

关键词: 金米益肺汤 非小细胞肺癌 血管内皮生长因子

Abstract: Objective

To investigate the effects of Jinmi decoction on the serum vascular endothelial growth factor(VEGF) in non-small cell lung cancer and its anti-tumor mechanism.MethodsSixty cases of non-small cell lung cancer were randomly divided into combination therapy group(Jinmi decoction + chemotherapy) and chemotherapy group.The serum VEGF concentration was detected by ELISA in the two groups and in 20 normal controls.ResultsThe serum VEGF concentration in non-small cell lung cancer was(389.45±80.23)pg/ml,higher than that in normal controls($P<0.01$).The concentration of serum VEGF after therapy in combination therapy group was significantly lower than that in chemotherapy group(231.52±83.91)pg/ml vs..(295.17±76.43)pg/ml, ($P<0.05$).ConclusionJinmi decoction could obviously reduce the concentration of serum VEGF and inhibit tumor angiogenesis in non-small cell lung cancer.

Key words: Jinmi decoction Non-small cell lung cancer VEGF

收稿日期: 2011-08-08;

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引用本文:

. 金米益肺汤对非小细胞肺癌患者血清VEGF表达的影响[J]. 肿瘤防治研究, 2012, 39(5): 567-569.

. Effect of Jinmi Decoction on Concentration of Serum Vascular Endothelial Growth Factor in Non-small Cell Lung Cancer[J]. CHINA RESEARCH ON PREVENTION AND TREATMENT, 2012, 39(5): 567-569.

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