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西黄丸氯仿提取物对荷瘤大鼠免疫清除功能的影响

Effect of Chloroform Extract of Xihuang Pill on the Immune Clearance Function of Tumor-bearing Rats

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英文关键词: [chloroform extract of Xihuang pill](#) [W256 Wistar rat tumor cells](#) [tumor-bearing rats](#) [immune clearance](#)

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中文摘要:

目的 研究西黄丸氯仿提取物对Walker256荷瘤大鼠免疫清除功能的影响, 探讨其抗肿瘤作用机制。**方法** 70只Wistar大鼠随机选取10只作为空白对照组, 剩余60只建立荷瘤大鼠模型后随机分为阴性对照组、香菇多糖对照组、西黄丸氯仿提取物高、中、低剂量组、西黄丸组。各实验组灌胃给药14d, 腹主动脉采血; ELISA法检测外周血白细胞介素2(IL-2)、干扰素 γ (IFN- γ)水平的变化; 流式细胞术检测外周血黏附分子B7-1、CD3⁺、CD4⁺、CD8⁺ T细胞的变化, 观察西黄丸氯仿提取物对荷瘤大鼠免疫清除功能的影响。**结果** 与阴性对照组比较, 西黄丸氯仿提取物中剂量组大鼠外周血IL-2、IFN- γ 含量显著增高, 黏附分子B7-1、CD3⁺、CD4⁺、CD8⁺ T细胞比例显著升高, 差异具有统计学意义(P<0.05); 低剂量组荷瘤大鼠外周血中CD3⁺、CD4⁺ T细胞比例明显升高, 差异具有统计学意义(P<0.05)。**结论** 西黄丸氯仿提取物能通过促进T淋巴细胞的增殖与活化增强荷瘤机体的免疫清除功能。

英文摘要:

OBJECTIVE To research Xihuang Pill drug chloroform extract of immune clearance

function on Walker256 tumor-bearing rats, and to explore the mechanism of its anti-tumor effect. METHODS Seventy Wistar rats were randomly chosen 10 as control group, the other 60 rats established Walker256 model of tumor-bearing rats by subcutaneous injecting W256 tumor cells into rats and were randomly divided into negative control group, the control group of lentinan, Xihuang Pill drug high dose group, Xihuang Pill drug chloroform extract low, medium and high dose groups, in each experimental group administrated orally everyday. ELISA assay of interleukin 2, interferon- γ (IFN- γ) level of change; Changes of adhesion molecules B7-1, CD3⁺T, CD4⁺T, CD8⁺T cells in peripheral blood were observed by flow cytometry. The effects of Xihuang pill drug chloroform extract on immune clearance function in rats were also observed. RESULTS chloroform extract the midst dose group rat peripheral IL-2, IFN- γ , CD8⁺T cells, adhesion molecules B7-1 the percentage rise was significantly increased ($P < 0.05$) compared with the negative control. Chloroform extracts the midst dose group and the low-dose group tumor-bearing rats in CD3⁺T cells in peripheral blood, CD4⁺T cells, and statistically significant difference ($P < 0.05$) compared with the negative control group. CONCLUSION Xihuang Pill drug chloroform extract through the promotion of the