



消癌平对荷瘤昆明小鼠细胞间黏附因子的影响

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Effect of Xiao-ai-ping(XAP) on Adhesion Molecule-1 Kunming Mice Bearing H22

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摘要

目的探讨消癌平对荷H22小鼠抑瘤率、脾指数的影响,并检测血清中细胞黏附分子-1(ICAM-1)的表达。方法雌性昆明小鼠55只,其中5只正常饲养,50只建立荷H22昆明小鼠模型,随机分为5组:阴性对照组、阳性对照组、消癌平低、中、高剂量组。消癌平低、中、高剂量组分别按0.01、0.02、0.04 ml/g剂量连续腹腔注射14天;阴性对照组予等体积的0.9%氯化钠溶液,腹腔注射14天;阳性对照组,给予腹腔注射5-Fu, 20 mg/(kg·d),连续7天。采用ELISA法检测小鼠血清sICAM-1的变化,计算各组的抑瘤率及脾指数。结果消癌平注射液对H22荷瘤小鼠具有明显的抑瘤作用,低、中、高剂量组抑瘤率分别为:20.7%、31.6%、38.63%;与阴性对照组平均瘤重相比,差异有统计学意义($P<0.05$);消癌平各剂量组脾指数与阴性对照组相比,差异有统计学意义($P<0.05$),而阳性对照组差异无统计学意义($P>0.05$);血清sICAM-1的表达:消癌平低、中、高剂量组的分泌量分别为:(53.26±9.36) ng/L、(35.75±11.16) ng/L、(29.13±8.52) ng/L;与阴性对照组相比,差异有统计学意义($P<0.05$);高剂量组与阳性对照组相比,差异无统计学意义($P>0.05$);与正常小鼠相比,各组差异有统计学意义($P<0.05$)。结论中药消癌平可以抑制肿瘤的生长,并可改善机体的免疫功能,同时降低荷瘤小鼠血清中细胞黏附分子-1的表达,达到抑制肿瘤转移的目的。

关键词: 消癌平 荷H22昆明小鼠 可溶性细胞间黏附因子-1 转移

Abstract: Objective To observe the effect of Xiaoaiping on expression of adhesion molecule-1 in mice. Methods Liver cancer cells(H22) were transplanted subcutaneously into Kunming mice right armpit to establish experimental model. 50 mice were randomly divided into 5 groups as well as normal group .XAP with 0.01 ml/ (g·d), 0.02 ml/ (g·d) and 0.04 ml/ (g·d) doses (low, medium and high doses) was intraperitoneally injected d1~14. The negative control treated by saline, and positive control group was injected 5-Fu by 5~20 mg/(kg·d) d1~7. ELISA was used to test sICAM- 1 level, calculation spleen index and inhibition rate. Results The tumor inhibition rates in low, medium and high-dose groups injected with XAP were 20.7%, 31.6%, 38.63% respectively, and higher than that in negative control group, while the high-dose group was similar to positive control group (45.97%). Compared with negative control group, spleen index in each research groups were increased statistically ($P<0.05$); and similar to positive control group ($P>0.05$). Secretion capacities in Low, medium and high-dose group were (53.26±9.36) ng/L, (35.75±11.16) ng/L, (29.13±8.52)ng/L respectively and more decreased, compared with negative group ($P<0.05$). No obvious difference was observed between the high-dosage group and the positive group ($P>0.05$). Conclusion Xiaoaiping inhibited tumor growth, and improve immune function, through reducing the expression of serum cell adhesion molecule-1 in tumor-bearing mice.

Key words: Xiaoaiping Kunming mice bearing H22 sICAM-1 Metastasis

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没有本文参考文献

- [1] 刘志容;吴诚义 . MMP-3、Vimentin联合检测与乳腺癌侵袭转移的关系[J]. 肿瘤防治研究, 2012, 39(2): 222-224.
- [2] 张建文;吴敬波. 原发性中枢神经系统肿瘤颅外转移状况 [J]. 肿瘤防治研究, 2012, 39(2): 238-240.
- [3] 龚龙;易春华;陈文奎;童彦初 . 分化型甲状腺癌颈淋巴结转移特点的回溯性分析[J]. 肿瘤防治研究, 2012, 39(1): 48-50.
- [4] 沈险华;董丽萍;吴绪峰 . 宫颈癌转移至远处胆道系统1例报道[J]. 肿瘤防治研究, 2012, 39(1): 120-120.
- [5] 孙海燕;王言青;邢艳敏;谢广茹. 直肠癌根治术后肝转移的危险因素分析[J]. 肿瘤防治研究, 2011, 38(9): 1046-1049.
- [6] 黄少军;程正江;汪晶晶 . 胃肠肿瘤患者手术前后外周血survivin mRNA定量检测的临床意义 [J]. 肿瘤防治研究, 2011, 38(9): 1050-1052.
- [7] 苏晓三;张蕾. 肿瘤术后免疫抑制与肿瘤转移[J]. 肿瘤防治研究, 2011, 38(9): 1078-1081.
- [8] 杨润祥;任宏轩;段林灿;罗春香;李梅;刘林 . 非小细胞肺癌中D2-40、CCR7的表达与淋巴结转移的关系[J]. 肿瘤防治研究, 2011, 38(8): 921-925.
- [9] 钟燕军;胡汉宁;杨桂;涂建成;喻明霞. NFAT在乳腺癌中的研究进展[J]. 肿瘤防治研究, 2011, 38(8): 960-962.
- [10] 张德才;张景华;汪萍;何津;刘远廷;马杰;牛凤玲. 乳腺癌组织中Id1基因mRNA的表达及其与临床病理的关系[J]. 肿瘤防治研究, 2011, 38(7): 780-783.
- [11] 查勇;寸英丽;马春笋;陈真;杨步荣;黄云超 . 胃癌根治术后淋巴结转移率与患者预后的关系[J]. 肿瘤防治研究, 2011, 38(7): 788-790.
- [12] 宋平平;张为迪;孙雪梅;郭洪波;刘曙光;张百江 . 63例贲门癌胸腔纵隔淋巴结转移特点分析[J]. 肿瘤防治研究, 2011, 38(7): 791-792.
- [13] 赵海燕;胡洁;王雅娟;吴共发;韩慧霞. Tiam1和SNAI1在结直肠癌EMT中的意义[J]. 肿瘤防治研究, 2011, 38(6): 654-657.
- [14] 秦安东综述;徐林审校. microRNAs与肺癌关系的研究进展 [J]. 肿瘤防治研究, 2011, 38(6): 724-727.
- [15] 阿依古丽·哈里米西;韩志刚;单莉. NTx在小细胞肺癌骨转移裸鼠模型中疗效的预测作用[J]. 肿瘤防治研究, 2011, 38(5): 498-501.