

 中文标题 检索 跨刊检索

健脾益气清幽汤对慢性浅表性胃炎大鼠胃组织淋巴细胞亚群及IL-2mRNA的影响

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中文摘要:目的:探讨健脾益气清幽汤对慢性浅表性胃炎大鼠胃组织淋巴细胞亚群及IL-2 mRNA的影响。方法:将66只Wistar大鼠随机分为空白对照组、模型组、健脾益气清幽汤低、中、高剂量组及兰索拉唑组,用0.02%氨水给大鼠自由饮用,连续90 d,制备大鼠试验性浅表性胃炎动物模型。用HE染色检测动物造模成功,免疫组化检测胃组织CD3⁺、CD4⁺、CD8⁺T细胞。RT-PCR检测胃组织IL-2 mRNA表达。结果:健脾益气清幽汤高剂量组大鼠胃组织CD3⁺、CD4⁺T细胞数量明显升高,CD8⁺T细胞数量明显下降,与模型组比较有显著性差异(P<0.01)。高、中剂量组大鼠胃组织IL-2 mRNA表达明显增多,与模型组比较有显著性差异(P<0.01)。结论:健脾益气清幽汤能明显提高胃组织淋巴细胞CD3⁺、CD4⁺T细胞数量及IL-2 mRNA表达,降低CD8⁺T细胞数量,提高大鼠免疫功能,为慢性浅表性胃炎的致病机制及治疗提供了依据。

中文关键词:健脾益气清幽汤 慢性浅表性胃炎 淋巴细胞亚群 IL-2 mRNA

Effect of Jianpi Yiqi Qingyou decoction on lymphocyte subsets and IL-2 mRNA in gastric tissue in rats with chronic superficial gastritis

Abstract:Objective: To investigate the effect of Jianpi Yiqi Qingyou decoction on lymphocyte subsets and IL-2 mRNA in gastric tissue in rats with chronic superficial gastritis. Method: Wistar rats were randomly divided into 6 groups (11 for each): a blank control groups, the model of the control groups, the treatment groups (low-dose groups of traditional Chinese medicine, moderate-dose groups of traditional Chinese medicine, high-dose groups of traditional Chinese medicine) and lansoprazole groups. The models were made with the method in reference except a blank control groups. These rats are drinking freely with 0.02% ammonia, continuous 90 days, and made preparations for experimental animal model of superficial gastritis. Making the model were detected by HE dying. The count of CD3⁺, CD4⁺ and CD8⁺ T cells were detected by immunohistochemistry. Using reverse transcriptase polymerase chain reaction (RT-PCR), the expression levels of IL-2 mRNA in gastric tissue were quantified. Result: Compared with that in model groups, the content of CD3⁺ T cells and CD4⁺ T cells in gastric tissue obviously increased in high dose of traditional Chinese medicine groups, the content of CD8⁺ T cells in gastric tissue obviously decreased in high dose of traditional Chinese medicine groups and the difference was significant (P<0.01). The expression levels of IL-2 mRNA in gastric tissue obviously increased in moderate and high doses of traditional Chinese medicine groups, and the difference was significant compared with that in model group (P<0.01). Conclusion: Jianpi Yiqi Qingyou decoction can obviously improve the content of CD3⁺ T cells and CD4⁺ T cells and the expression levels of IL-2 mRNA, decrease the content of CD8⁺ T cells in gastric tissue, improve immunity of rats. So the research results can provide some evidences for the treatment for chronic superficial gastritis.

keywords: Jianpi Yiqi Qingyou decoction chronic superficial gastritis lymphocyte subsets IL-2 mRNA

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