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益气养阴清热化痰中药复方调节肺癌恶病质细胞因子的研究

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Research on Advanced Lewis Lung Cancer Cachexia with Yiqi Yangyin Qingre Huatan Traditional Chinese Medicine

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全文: PDF (98 KB) HTML (0 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目的研究益气养阴清热化痰中药对晚期肺癌恶病质小鼠治疗反应状况。方法建立晚期Lewis肺癌动物模型,随机分为非荷瘤对照组、荷瘤对照组、中药组和甲羟孕酮组。浓缩中药溶液和甲羟孕酮(16mg/kg·d)于造模5天后出现恶病质后每日灌服0.2ml,对照组0.2ml生理盐水灌胃,连续8天。观察小鼠体重、饲料消耗量;免疫组织化学法检测肿瘤组织TNF- α 、IL-6的表达。结果(1)小鼠生存状态:体重和饲料消耗量,中药组和甲羟孕酮组与荷瘤对照组比较差异有统计学意义(P<0.05);中药组和甲羟孕酮组之间差异无统计学意义(P>0.05)。(2)免疫组化检测肿瘤组织:中药组和甲羟孕酮组TNF- α 和IL-6表达较荷瘤对照组有不同程度减少(表现为灰度值增加),差异有统计学意义(P<0.05)。结论益气养阴清热化痰中药对TNF- α 、IL-6表达有不同程度的抑制作用,在改善Lewis肺癌恶病质小鼠的生活质量上与甲羟孕酮的作用相似。

关键词: 恶病质 细胞因子(TNF- α IL-6) 中药复方

Abstract: Objective To investigate the life quality of advanced Lewis lung cancer with Yiqi Yangyin Qingre Huatan traditional Chinese medicine. Methods We established the thoracic cavity implant model of the C57BL/6 mice bearing Lewis lung carcinoma and divided into three groups randomly. Each group contained 10 mice. The MPA Group (0.2 ml) (16 mg/kg·d) and Yiqi Yangyin Qingre Huatan traditional Chinese medicine group (0.2 ml) and NS group (0.2 ml). The groups were administered were given to give Chinese medicine, NS 0.2 ml by intragastric administration after cancer cachexia for eight days. Observe the quality of life of mice and The expression of TNF2 α 、IL26 in the lung cancer tissue by immunohistochemistry. Results (1) Consumption of feed and weight: there were significant differences among NS group and the MPA Group and TCM group. (2) IHC: TNF2 α and IL26 expression in TCM group and MPA Group were significantly lower than control group. Conclusion The traditional Chinese medicine is helpful to improve the occurrence and growth of lung cancer.

Key words: Cancer cachexia TNF- α and IL-6 Traditional Chinese medicine

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