

论文

化疗对食管癌患者外周血CD4+CD25+调节性T细胞的影响

刘光英¹, 李小娜¹, 张娜¹, 王功朝^{1,2}

山东大学 1.护理学院临床教研室, 济南 250012; 2.附属省立医院胸外科, 济南 250021

摘要:

目的 探讨化疗对食管癌术后患者外周血CD4+CD25+调节性T细胞的影响。方法 随机选择35例食管癌术后化疗患者,应用流式细胞仪检测其化疗前、化疗1周后外周血CD4+CD25+调节性T细胞的比例,并进行比较,选择30例健康志愿者作为对照。结果 食管癌患者术后化疗前外周血中CD4+CD25+调节性T细胞的比例(10.44±1.45)%高于同期健康对照组(9.35±1.41)%,差异有统计学意义(t=3.059,P<0.05)。35例患者其化疗前及化疗1周后外周血CD4+CD25+调节性T细胞比例分别为:(10.44±1.45)%、(11.67±1.56)%,两者比较差异具有统计学意义(t=6.342,P<0.01)。结论 化疗可增高食管癌术后患者外周血CD4+CD25+调节性T细胞的比例。

关键词: 化疗; 食管肿瘤; CD4+CD25+调节性T细胞

The impact of chemotherapy on CD4+CD25+ regulatory T cells in peripheral blood of the postoperative patients with esophageal cancer

LIU Guang ying¹, LI Xiao na¹, ZHANG Na¹, WANG Gong chao^{1, 2}

1. Clinical Teaching and Research Section of School of Nursing, Shandong University, Jinan 250012, China; 2. Department of Chest Surgery, Provincial Hospital Affiliated to Shandong University, Jinan 250021, China

Abstract:

Objective To investigate the impact of chemotherapy on CD4+CD25+ regulatory T cells in peripheral blood of the postoperative patients with esophageal cancer. Methods 35 postoperative esophageal cancer patients undergoing chemotherapy were randomly selected. Proportions of CD4+CD25+ regulatory T cells in peripheral blood of the patients were detected using FACSCalibur (FACScan) before and 1 week after chemotherapy, and were compared with those of 30 healthy volunteers who were randomly selected as the control group. Results Proportions of CD4+CD25+ regulatory T cells in peripheral blood of the 30 healthy volunteers and 35 patients before and 1 week after chemotherapy were (9.35±1.41)% vs (10.44±1.45)% and (10.44±1.45)% vs (11.67±1.56)% respectively, and there were significant differences between them (t=3.059,P<0.05 and t=6.342,P<0.01). Conclusion Chemotherapy could increase the proportion of CD4+CD25+ regulatory T cells in peripheral blood of the postoperative patients with esophageal cancer.

Keywords: Chemotherapy; Esophageal tumor; CD4+CD25+ regulatory T cell

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通讯作者: 王功朝(1966-), 博士, 副教授, 主要从事肿瘤免疫、胸部肿瘤的外科治疗方面的研究。 E-mail: gongchao@sdu.edu.cn

作者简介: 刘光英(1986-), 硕士研究生, 主要从事心血管护理、急危重症护理的研究。

作者Email:

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