

论文

细胞因子诱导的杀伤细胞治疗妇科恶性肿瘤的近期疗效观察

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摘要:

目的 观察回输体外培养的自体细胞因子诱导的杀伤细胞(cytokine-induced killer cells, CIK)治疗妇科恶性肿瘤的近期临床疗效。方法 取8例妇科恶性肿瘤患者外周血,体外培养诱导CIK细胞,将CIK细胞回输给患者,对比其回输前及回输后2个月的免疫功能、血清CA-125值、卡氏评分及临床症状变化,评价其近期临床疗效。结果 回输后,外周血CD4+/CD8+比值增加(P<0.05),CD3-CD16+CD56+细胞所占百分比增加(P<0.05),CD4+CD25+细胞所占百分比降低(P<0.05);5例患者血清CA-125值下降;1例患者卡氏评分上升;5例患者自觉有临床症状缓解;无一例出现回输不良反应。结论 回输自体CIK细胞对治疗妇科恶性肿瘤有一定的近期疗效。

关键词: 细胞因子诱导的杀伤细胞; 妇科恶性肿瘤; 免疫治疗

Short-term curative efficacy of cytokine-induced killer cells on patients with gynecological malignant carcinoma

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Abstract:

Objective To observe the short-term curative efficacy of transfusing autogeneic cytokine-killer cells(CIK) cultured in vitro on patients with gynecological malignant carcinoma. Methods Blood samples isolated from 8 patients with gynecological malignant carcinoma were induced in vitro to obtain CIK, which were then transfused into the patients. The short-term curative efficacy was evaluated by comparison of the immunological function, level of CA 125 in serum, Karnofsky performance score(KPS) and change of clinical symptoms before and two months after transfusion. Results After transfusion, both the ratio of CD4+/CD8+ and percentage of CD3-CD16+CD56+ in peripheral blood were increased (P<0.05), while the percentage of CD4+CD25+ was decreased(P<0.05). The level of CA 125 in serum was decreased in 5 cases. The KPS was increased in one case. Clinical symptoms were ameliorated in 5 cases. At the same time, no adverse reaction was observed. Conclusion Transfusing autogeneic CIK has some short-term curative efficacy on gynecological malignant carcinoma.

Keywords: Cytokine-induced killers cells; Gynecological malignant carcinoma; Immunotherapy

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