The effect and effectiveness of eliminating cancer SHUNQI decoction combined with CAF chemotherapy on T cell subsets and Vascularendothelial growth factor of 147 cases with breast cancer

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To investigate the effect and effectiveness of ShunQi decoction combined with CAF chemotherapy on T cell growth factor Vascularendothelial growth factor of 147 cases with breast cancer. Methods: 147 cases of patients with breast cancer patients were randomly divided into three groups, each group 49 cases. The control groups without chemotherapy and other special treatment before operation. The chemotherapy groups were given CAF chemotherapy before operation while the observation groups were given eliminating cancer SHUNQI decoction based on the chemotherapy groups. The level of T cell subsets of CD4⁺, CD8⁺ and CD4⁺/CD8⁺ and vascular endothelial growth factor (VEGF) changes, the time and score of life quality for survival of three groups before and after treatment were compared. Results: The level of VEGF in the observation groups after 3 months were significantly lower than that of before treatment and in the control group and the chemotherapy group (P<0.05). The levels of CD4⁺ and CD4⁺/CD8⁺ in the observation groups after 3 months were significantly higher than that in the chemotherapy groups (P<0.05). The survival time and median time to remission in the observation groups were longer than that in the control groups and the chemotherapy groups (P<0.05). The physical function, role function and emotional function scores were significantly lower than those in the control groups and the chemotherapy groups (P<0.05). Conclusions: Eliminating cancer SHUNQI decoction could significantly prolong the survival time and median time of breast cancer patients with CAF chemotherapy and improve the life quality after the operation. The mechanism may be related to eliminate cancer SHUNQI Decoction inhibiting VEGF function, protected T cell subsets before and after chemotherapy in patients.

[KEY WORDS] Breast cancer; CAF chemotherapy; Eliminating cancer SHUNQI decoction; T cell subsets; Vascularendothelial growth factor