Study of mushrooms polysaccharide intervention on plasma endotoxin and VEGF levels after TACE for the treatment of liver cancer

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

[ABSTRACT] Objective: To study of mushrooms polysaccharide intervention on plasma endotoxin and VEGF levels after TACE for the treatment of liver cancer. Methods: 106 cases of liver cancer patients, were randomly divided into control group and observation group, 53 cases in each. Control group, treated with transcatheter arterial chemo embolization. Observation group, treated with transcatheter hepatic arterial chemoembolization, and add mushrooms polysaccharide treatment. Results: After operation 3, 7 d, plasma endotoxin level, the observation group better than in the control group, the difference was statistically significant (P<0.01). After operation 3, 7 d, VEGF level, the observation group were lower than those in the control group, the difference was statistically significant (P<0.05). After treatment, T lymphocyte subsets in patients with improvement of relevant indicators, the observation group was better than the control group, the difference was statistically significant (P<0.01). After operation 3, 7 d, liver function indexes of TBIL, AST, ALT level, the observation group were better than the control group, the difference was statistically significant (P<0.01). The adverse reaction rate in patients with the observation group less than in the control group, the difference was statistically significant (P<0.05). Conclusion: Application of mushrooms polysaccharide therapy in patients with hepatocellular carcinoma after TACE treatment, can decrease the plasma endotoxin, VEGF level, the effective regulation of the immune system, improve liver function, with good safety.

[KEY WORDS] hepatocellular carcinoma; TACE; mushrooms polysaccharide; endotoxin; vascular endothelial growth factor