

Research on the antitumor effect of Zhenhuang injection

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Abstract

AIM: To study the antitumor effect of Zhenhuang Injection (ZHI) on the mice bearing transplanted tumor.

METHODS: The solid type of H22 transplantation hepatocarcinoma, ascitic type of S-180 sarcoma and ascitic type of L-II malignant lymphoma of mice were treated at three doses (crude drug 1.25

g/kg, 2.5 g/kg, 5.0 g/kg of body weight) of ZHI. The solid tumor group and ascitic tumor group were injected intravenously and intraperitoneally. The experiment was repeated three times.

RESULTS: The tumor-inhibition rate of H22 hepatocarcinoma in moderate and large doses was 30.23%-35.67% ($P < 0.01$) and 46.36%-54.07% ($P < 0.01$) respectively; the survival rate of ascitic type of S-180 sarcoma and ascitic type of L-II malignant lymphoma in large dose group was 77.23%-86.91% ($P < 0.01$) and 75.42%-79.04% ($P < 0.01$), respectively.

CONCLUSION: ZHI has a certain tumor inhibiting effect. Under the tolerant dose, the effect improves with the increase of dose.

Key words: Neoplasms/drug effects; Drug screening assays, antitumor; Liver neoplasms/drug therapy; Sarcoma/drug therapy; Lymphoma/drug therapy; Neoplasms/experimental

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