

Prevention and treatment of liver injury induced by fluconazole by 27-flavor pill with Mongolian medicine

Wu yue

Affiliated Hospital of Inner Mongolia Nationalities University, Tongliao 028007

Abstract: Purpose: to observe the clinical efficacy and preventive effect of 27-flavour pill of Mongolian medicine and liver in patients with liver injury caused by fluconazole. method: gather for fungal infections use patients with liver injury after fluconazole example, is randomly divided into trial and control groups, per group example: test Group Oral Mongolian Medicine Qing Liver 27 taste pill, Controls Group intravenous infusion degassing nucleotide sodium, treatment 1 Week. at the same time collecting patients who are using fluconazole Example, is randomly divided into trial and control groups, each group of Example; Test group Preventive Oral Mongolian Medicine Qing Liver 27 taste pill, Control Group preventive intravenous infusion of nucleotide sodium, Session 1 Week. check before and after treatment 1 times liver function, control ALT, AST, -GGT value Changes. result: in Therapeutic observations, ALT compare groups to Controls $P < 0.05$, significantly reduces; AST compare the comparison group with the $P < 0.01$, significantly reduces; R-GGT compare the comparison group with the $P < 0.05$, significantly reduces. and in prevention sex drugs, test Group compared to control groups, ALT, AST, -GGT The number of exceptions is significantly lower than the control group, $P < 0.05$, has statistical significance. conclusion: Mongolian medicine 27-flavour pill has very good therapeutic effect and preventive effect on liver injury caused by drugs.

Keywords: Mongolian Medicine; Clear Liver 27 taste pill; fluconazole; Liver Damage

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Mongolian Medicine Clear Liver 27 taste pill (Chin Hessler is a Mongolian traditional recipe, main by cold water stone, tianzhu yellow, kapok petals, Saffron, rib flower, huanglian, missing Reed, Bezoar, white sandalwood, Lilac, Black Borneol etc. flavored Drug group To. with soothing liver and clearing heat, Jianwei digestion etc effect, attending all kinds of emergency, Chronic hepatitis. is mainly used clinically to treat all kinds of hepatitis, cirrhosis and other diseases. The effect of its degrading transaminase is very clear. can also be used against drug-induced liver injury. research, Clear Liver 27 flavor pill effective protection from DMN caused by Mouselight, Moderate liver injury², to improve the biochemical parameters of hepatitis B at the same time The has a very good effect.³ This is inspired by the, the clear liver 27 The pill is widely used in hematological oncology clinics. primarily for chemotherapy Treatment of liver injury caused by fluconazole after drug or fungal infection and pre-prevent, find, Significant effect. to verify its exact effect, This probed research, on its result, The makes the following report. to next Step mechanism research The investigate provides the basis for.

1. Clinical Data

1.1 General Information: Year 3 months to 2016 Year Month in our hospital the blood is swollen Treatment of acute leukemia after chemotherapy in patients with bone marrow inhibition fungal infection, use patients who cause liver injury after treatment Example, is randomly divided into test groups and control group, per group Example, for therapeutic ob-

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servation; collects the at the same time patients with fungal infection after chemotherapy: Example, randomly divided

into trial and control Group, per group page Example, for preventative observation.

Introduction to authors: Uzhtu, men, Mongolian, attending Physicians, Doctor of Medicine, working with blood liquid, Oncology Clinical and scientific work. Contact phone: 15048538969

1.2 drugs and Instruments: Mongolian Medicine Clear Liver 27 taste pill by Inner Mongolia nationalities University Affiliated Hospital Mongolian Medicine Room offers, approval number is Jie Wei 国药准字 (9604-33) number. de-nucleotide sodium from Beijing Sai Sheng Pharmaceutical Co., Ltd. "for", approval number is 国药准字 H11022106, The specification is mg/Branch, every Box 5 all. Automatic biochemical Analyzer, Beckman 5800 (Beckman Company production).

1.3 treatment: Liver 27 taste pill, Daily once, 3g/times, warm boiled water to be served in a midday meal; control group intravenous degassing nucleotide sodium, daily 1 Times, mg/Times. The total treatment is 1 week.

1.4 detection metrics and detection methods: the test group and control groups were previously treated with collecting morning fasting venous blood 3ml, Separate serum; treatment 1 second day after week set morning fasting venous blood 3ml, Isolate serum. with automatic biochemical analyzer, check Test Serum ALT, AST, -GGT value.

1.5 Statistical Processing via statistics software SPSS 17.0 Data Statistics. data with xs represent, Therapeutic Observations, separate samples are used between groups T Validation, Group compare before and after treatment using paired sample t Check; Preventive observation with card Square Check, $P < 0.05$ represents a significant difference.

2. Results

2.1 among therapeutic observations, ALT Compare the comparison group with the $P < 0.01$, significantly reduces; AST Compare the comparison group with the $P < 0.05$, significantly reduces; R-GGT Compare the comparison group with the $P < 0.05$, significantly reduces, See table in detail 1~Table 3 shows.

2.2 Preventive use of drugs, Test Group compared to control groups, ALT, AST, -GGT The number of exceptions is significantly lower than in the control group, $P < 0.05$, has a unified accounting meaning, detailed table 4~Table 6 shows. table 1 Group of Therapeutic Observation group before and after treatment, Group ALT contrast ($\bar{X} \pm S$, $N=30$)

ALT (u/l)

Constituencies-----

before treatment after treatment

Test group 293.57 ± 135.77 69.40 ± 36.44

control group 302.03 ± 134.23 $126.13 \pm 59.88^*$

Note: * is significantly different from the control group before treatment, $P < 0.05$; A compared to the pre-treatment test Group has significant differences, $P < 0.05$; ☆ is significantly different from the control group after treatment, $p < 0.05$.

Table 2 group before and after treatment of therapeutic observation Group, in the group AST contrast ($\bar{X} \pm S$, $n=30$)

ALT (u/l)

Constituencies-----

Pre-treatment after treatment

Test group 361.43 ± 151.28 $57.00 \pm 22.53^*$

control group 358.13 ± 150.82 $124.17 \pm 68.29^*$

Note: * is significantly different from the control group before treatment, $P < 0.05$; A compared to the pre-treatment test Group has significant differences, $P < 0.05$; ☆ is significantly different from the control group after treatment, $p < 0.05$.

Table 3 group before and after treatment of therapeutic observation Group, in the group Y-GGT contrast ($\bar{X} \pm S$, $n=30$)

Y-ggt (u/l)

Constituencies-----

Pre-treatment after treatment

Test group 212.63±80.55 52.30±16.07☆

control group 223.53±82.26 76.67±22.30*

Note: * is significantly different from the control group before treatment, $P < 0.05$; A compared to the pre-treatment test Group has significant differences, $P < 0.05$; ☆ is significantly different from the control group after treatment, $p < 0.05$.

Table 4 Group between groups before and after prophylactic observation ALT contrast (X^2), $N=30$ ALT (u/l)

Group ----- X^2 P

elevation not elevated

Test group 3 18.37 < 0.01

control group All

Note: Test group ALT The number of values increased significantly below the control group, has statistical significance, $P < 0.01$.

Table 5 Group between groups before and after prophylactic observation AST contrast (X^2), $N=30$ ALT (u/l)

Group ----- X^2 P

elevation not elevated

Test group 1 7 < 0

control group 9-

Note: Test group AST The number of values increased significantly below the control group, has statistical significance, $P < 0.01$.

Table 6 Group between groups before and after prophylactic observation Y-GGT contrast (X^2), $N=30$ Y-ggt (u/l)

Group ----- X^2 P

elevation not elevated

Test group 6 4 < 0

control group'

Note: Test group Y-GGT The number of values increased significantly below the control group, has statistical significance, $P < 0.01$.

3. Discussion

Qing Liver 27 taste pill is Mongolian traditional recipe. with soothing liver, clearing the, Health Gastric digestion and other effects, attending various emergency, Chronic hepatitis. from Mongolian medical theoretical angle See, liver is human body "", "The essence of the and the important site for the decomposition of cedar is. such as for some external cause, human body "" "" The essence of and the decomposition of cedar is not complete, on will occur [laga Elimination, This is the root cause of all disease occurrences on. so clinically, Mongolian medicine attaches great importance to the preservation of the liver., by using clear Hot, detoxifying, To Adjust or promote Digest Ability drug or food prevention or Treatment of various diseases of the liver. and from a modern medical point of view, liver is body Important detoxifying organ, Many drugs are metabolized through the liver., clinically very more drugs on liver toxic side effects, All causes a degree of liver injury., Some are even irreversible. So in clinical use of toxic side effects on the liver drugs when, requires strict prevention and protection of liver work damage.

The results of this trial show that Mongolian medicine 27-flavour pill for fungal infection and after fluconazole treatment causes ALT, AST, y-GGT elevation has a good degree. This indicates that the Mongolian medicine clear Liver 27 flavour pill has the very good protection liver work The The function. at the same time to prevent the use of fluoride because of fungal infections after treatment, ALT, AST, y-GGT elevation of. indicates clear liver 27, "" pill also has good preventive effect on liver damage. Combining previous research knots fruit, Mongolian Medicine 27 taste pill either for experimental drug-induced liver injury "" animal model of liver function, or drug-induced liver with clinical routine

therapy damage, liver injury caused by viral hepatitis, Have very good treatment for with, and is not inferior to the current clinical use for the protection of liver function of the first line of Western medicine effect, Sometimes the effect is better than the first-line clinical liver-protecting drug. because it is a traditional Mongolian medicine, Its group of drugs are natural herbs, non-toxic side effect, Adult routine medication for, daily 1 Times, each time granule. per grain 0.2g water pill. every time The drug is taken the average price for drugs is RMB to around. so easy to take, not toxic Side effects, and low cost, A number of advantages such as effective, apply before review is very optimistic, with a good competitive advantage.

But the mechanism has not yet fully clarified. pending Pharmacology, toxicology, drug object metabolism, Target point, A comprehensive study of molecular mechanisms, clarify its details The mechanism of the works. to lay a solid foundation for the next step.

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