

归脾汤对雷公藤醇提物致急性肝损伤的保护作用

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作者

周文静 山西省中医药研究院,太原 030012
柴智 山西中医学院,太原 030024
王永辉 山西中医学院,太原 030024
闫润红 山西中医学院,太原 030024
周然 山西中医学院,太原 030024

E-mail

zhou58@sohu.com

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中文摘要:目的 :建立雷公藤醇提物致大鼠急性肝损伤模型,进而探讨中医经典方剂归脾汤对其的保护作用。方法 :50只大鼠随机分为空白对照组、模型组、归脾汤低、中、高剂量组($4.5, 9, 18 \text{ g} \cdot \text{kg}^{-1}$)。分别以相应剂量连续ig 5 d后,再以雷公藤醇提物($3.2 \text{ mg} \cdot \text{kg}^{-1}$)ig 3 d造模。检测大鼠肝病理组织,血清丙氨酸转氨酶(ALT)、天冬氨酸转氨酶(AST)、超氧化物歧化酶(SOD)、丙二醛(MDA)、谷胱甘肽过氧化物酶(GSH-Px)水平。结果 :与空白对照组相比,模型组血清SOD,GSH-Px活性明显降低($P < 0.05$),MDA水平明显升高($P < 0.05$);肝脏病理呈脂肪性病变,肝细胞浑浊。与模型组相比,归脾汤各组均可有效降低血清ALT,AST,MDA水平($P < 0.05$),提高G SH-Px水平($P < 0.05$),中、高剂量还可提高SOD水平($P < 0.05$);归脾汤各组肝脏病理损伤与模型组相比较均有所减轻。结论 :归脾汤对雷公藤所致肝损伤有保护作用,而且急性肝损伤的发生机制与脂质过氧化有关。

中文关键词:[归脾汤](#) [雷公藤醇提物](#) [肝损伤](#) [脂质过氧化](#)

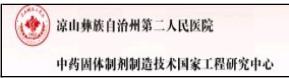
Protective Effect of Guipi Tang on Acute Liver Injury Induced by Ethanol Extract from *Tripterygium wilfordii* in Rats

Abstract:Objective : To explore the protective effect and mechanism of Guipi Tang on acute liver injury reduce by ethanol extract from *Tripterygium wilfordii* in rats. Method : Totally 50 rats were randomly divided into control group, *T. wilfordii* model group, large-dose, medium-dose and small-dose groups of Guipi Tang($4.5, 9, 18 \text{ g} \cdot \text{kg}^{-1}$)groups. Each group was respectively perfused with the corresponding dose of drug for 5 days. Then *T. wilfordii* by Ethanol was perfused for 3 days to produce the mode 1. The pathological tissue of liver was detected. The serum levels of alanine aminotransferase(ALT),aspartate aminotransferase(AST),superoxide dismutase(SOD),malondialdehyde(MDA) and glutathione peroxidase(GSH-Px) were measured. Result : Compared with the control group. The serum levels of SOD and GSH-Px in model group decreased and MDA increased obviously($P < 0.05$). Pathological investigation showed that liver cell steatosis was took place with cell turbid. Compared with model group,Guipi Tang of all doses could effectively decrease ALT,AST and MDA level,increase GSH-Px level($P < 0.05$). Large-dose and medium-dose also increased SOD level($P < 0.05$). The liver injury was alleviated. Conclusion : Guipi Tang has effect of protecting the liver and the mechanism of liver injury has a relationship with lipid peroxidation.

keywords:[Guipi Tang](#) [extract from *Tripterygium wilfordii* by ethanol](#) [liver injury](#) [lipid peroxidation](#)

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