

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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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 g·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 mg·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GSH-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 g·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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