



胡勇, 李淑芳, 刘迪成. 中药复方JEYS对小鼠急性肝损伤的保护作用[J]. 中国现代应用药学, 2011, 28(10):899-903

中药复方JEYS对小鼠急性肝损伤的保护作用

Protective Effect of Traditional Chinese Compound JEYS on Acute Hepatic Injury in Mice

投稿时间: 2011/1/13 最后修改时间: 2011/4/26

DOI:

中文关键词: [中药复方JEYS](#) [急性肝损伤](#) [保肝](#)

英文关键词: [traditional Chinese compound JEYS](#) [acute hepatic injury](#) [hepatoprotective effect](#)

基金项目:

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中文摘要:

目的 观察中药复方JEYS(TCCJEYS)的保肝作用及作用机制。**方法** 建立D-半乳糖胺(D-GalN)诱导的小鼠急性肝损伤模型, 观察TCCJEYS的保肝作用及作用机制。**结果** TCCJEYS能够显著降低肝脏指数(LI)、谷丙转氨酶(ALT)、谷草转氨酶(AST)活力和丙二醛(MDA)含量, 显著升高超氧化物歧化酶(SOD)和谷胱甘肽过氧化物酶(GSH-Px)的活力, 促进肝组织中B细胞淋巴瘤/白血病-2(Bcl-2)蛋白的表达和抑制自杀相关因子(Fas)蛋白的表达, HE染色也显示TCCJEYS组病变程度比模型组轻。**结论** TCCJEYS对D-GalN诱导的小鼠急性肝损伤具有保护作用。

英文摘要:

OBJECTIVE To observe hepatoprotective effect and mechanism of TCCJEYS. **METHODS** The acute hepatic injury model was induced by D-GalN in order to observe hepatoprotective effect and mechanism of TCCJEYS. **RESULTS** Liver index(LI), the levels of alanine aminotransferase (ALT) and aspartate aminotransferase (AST) in serum and malondialdehyde (MDA) in liver tissue homogenate were significantly reduced by TCCJEYS on acute hepatic injury in mice. The levels of superoxide dismutase (SOD) and glutathione peroxidase (GSH-Px) in liver tissue homogenate were significantly increased. Meanwhile, the expression of B cell lymphoma/leukemia-2 (Bcl-2) protein in liver tissue was improved, whereas the expression of factor associated suicide (Fas) protein in liver tissue was inhibited by TCCJEYS. HE dyeing also showed that TCCJEYS could improve pathological lesion. **CONCLUSION** TCCJEYS has protective effect on acute hepatic injury in mice induced by D-GalN.

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