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Name of journal: World Journal of Gastroenterology

ENPN Manuscript No: 14595

Content: ORIGINAL ARTICLE

Basic Study

Glycyrrhizin acid inhibits apoptosis and fibrosis in CCL₄-induced rat liver injury

Bo Liang, Xian-Ling Guo, Jing Jin, Yong-Chen Ma, Zheng-Quan Feng

Abstract

AIM: To investigate the anti-apoptotic effect of glycyrrhizin acid (GA) against fibrosis in carbon tetrachloride (CCL₄)-induced liver injury and its contributing factors.

METHODS: Liver fibrosis was induced by the administration of CCL₄ for 8 weeks. Pathologic changes in the liver of rats were examined by H&E staining. Collagen fibers were detected by Masson red staining. Hematoxylin apoptosis was



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... Recent findings indicate that GA significantly inhibits hepatocyte apoptosis by down-regulating the expression of ... 4-mediated hepatic apoptosis in rats, such as branched-chain amino acids [32] and the ... Figure 5 Figure 5. Schematic diagram of the effect of glycyrrhizic acid on the ...

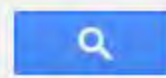
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