

## 鳖甲煎丸对免疫性肝纤维化大鼠肝组织HGF表达的影响

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**中文摘要:**目的:观察鳖甲煎丸对免疫性肝纤维化模型大鼠肝组织肝细胞生长因子(HGF)表达的影响,分析鳖甲煎丸抗肝纤维化的治疗作用并探讨其作用机制。方法:雄性Wistar大鼠90只,随机分为6组:正常对照组、模型组、秋水仙碱预防组、秋水仙碱治疗组、鳖甲煎丸预防组、鳖甲煎丸治疗组,采用猪血清诱导免疫损伤性肝纤维化模型。各组于10周后随机取8只大鼠断头处死,取血清,检测血清透明质酸(HA)、层黏连蛋白(LN)、III型前胶原(PCIII)、IV型胶原(IV-C);取肝组织,免疫组化染色,用图像分析法检测HGF。结果:各预防组、治疗组血清HA, LN, PCIII, IV-C含量均明显降低( $P < 0.01$ 或 $P < 0.05$ ),但以鳖甲煎丸预防组、治疗组降低最为明显;各预防组、治疗组大鼠肝脏组织HGF均有表达( $P < 0.01$ 或 $P < 0.05$ ),鳖甲煎丸预防组、治疗组比秋水仙碱组的表达更为明显。结论:鳖甲煎丸能够抑制肝脏纤维化病理改变,增加HGF的表达,具有明显的抗肝纤维化作用。

**中文关键词:**[鳖甲煎丸](#) [肝纤维化](#) [肝细胞生长因子](#) [免疫组织化学](#)

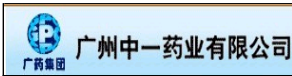
## Effect of Biejiajian Wan on Hepatocyte Growth Factor Expression in Rats with Immune Hepatic Fibrosis

**Abstract:**Objective: To observe the effects of Biejiajian Wan(BJJW) on hepatocyte growth factor (HGF) expression in the rats with immune hepatic fibrosis, and analyze therapeutic functions of anti-hepatic fibrosis of BJJW and explore the mechanism. Method: Ninety male Wistar rats were randomly divided into six groups: normal control group, model control group, colchicine prevention group, colchicine treatment group, BJJW prevention group, BJJW treatment group. The rat liver fibrosis model was produced by porcine serum. After 10 weeks eight rats from each group were selected randomly. The hepatic tissues of the rats were taken and stained by immunohistochemistry, HGF of them was detected by image analysis. Hyaluronic acid(HA), laminin(LN), collagen type III(PCIII), type IV collagen(IV-C) in serum. Result: Compared with model group, the level of HA, LN, PCIII, IV-C was obviously decreased in preventive groups and therapeutic groups, but BJJW preventive groups and therapeutic groups decreased most significantly. The expression of HGF were obviously increased in preventive groups and therapeutic groups, but BJJW preventive and therapeutic groups increased most significantly. Conclusion: BJJW can inhibit the rat's pathological changes of hepatic fibrosis, significantly increase the expression of HGF, which indicates the obvious function of anti-hepatic fibrosis.

**keywords:**[Biejiajian Wan](#) [hepatic fibrosis](#) [hepatocyte growth factor](#) [immunohistochemistry](#)

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