



益气养阴消癥通络中药对早期糖尿病大鼠肾组织p38 MAPK信号通路的影响

投稿时间: 2009-12-12 责任编辑: 刘妮 [点此下载全文](#)

引用本文: 赵雯红, 蒋志强, 张江华, 孙玉凤, 王月华, 王会青. 益气养阴消癥通络中药对早期糖尿病大鼠肾组织p38 MAPK信号通路的影响[J]. 中国中药杂志, 2010, 35(6): 768.

DOI: 10.4268/cjmm20100624

摘要点击次数: 663

全文下载次数: 225

广告合作



作者中文名	作者英文名	单位中文名	单位英文名	E-Mail
赵雯红	ZHAO Wenhong	河北医科大学 中医院 肾内科, 河北 石家庄 050011	Urology Department, Hospital of Chinese Medicine of Hebei Medical University, Shijiazhuang 050011, China	
蒋志强	CHEN Zhiqiang	河北医科大学 中医院 肾内科, 河北 石家庄 050011	Urology Department, Hospital of Chinese Medicine of Hebei Medical University, Shijiazhuang 050011, China	chenzhiqiang@tom.com
张江华	ZHANG Jianghua	河北医科大学 中西医结合研究所, 河北 石家庄 050017	Research Stations of Chinese Combined with Western Medicine, Hebei Medical University, Shijiazhuang 050017, China	
孙玉凤	SUN Yufeng	河北医科大学 第二医院 消化内科, 河北 石家庄 050000	Digestive System Department, The Second hospital of Hebei Medical University, Shijiazhuang 050000, China	
王月华	WANG Yuehua	河北医科大学 中医院 肾内科, 河北 石家庄 050011	Urology Department, Hospital of Chinese Medicine of Hebei Medical University, Shijiazhuang 050011, China	
王会青	WANG Huiqing	河北医科大学 第二医院 消化内科, 河北 石家庄 050000	Digestive System Department, The Second hospital of Hebei Medical University, Shijiazhuang 050000, China	

基金项目: 河北省卫生厅项目(08165)

**中文摘要:**目的: 探讨益气养阴消癥通络中药对早期糖尿病大鼠肾组织p38MAPK信号通路的作用。方法: 将SD大鼠随机分为6组: 单纯肾切组、模型组、厄贝沙坦组、中药低、中、高剂量组,按各组相应药物剂量灌胃。于第6周末检测各组大鼠24h尿蛋白(UPro)量及肾功能水平并检测p38MAPK mRNA、p-p38MAPK蛋白表达水平。结果: 厄贝沙坦、中药低、中剂量组与模型组比较UPro能显著下降( $P<0.05$ );治疗组与模型组比较肾功能明显改善( $P<0.05$ ),且p38MAPK mRNA、p-p38MAPK蛋白表达水平显著下降( $P<0.05$ )。结论: 益气养阴消癥通络中药可能通过抑制p38MAPK 信号通路表达,发挥对糖尿病肾病大鼠的治疗作用。

中文关键词: 益气养阴消癥通络中药 糖尿病肾病大鼠 p38MAPK信号通路

## Effect of supplementing Qi-nourishing Yin-dispersing blood stasis-dredging collateral herbs on p38 MAPK signaling pathway in kidney of early diabetic rats

**Abstract:** Objective: To study the effect of supplementing Qi-nourishing Yin and dispersing blood stasis-dredging collateral herbs on p38 mitogen activated protein kinase (p38 MAPK) signaling pathway in the kidney of early diabetic rats. Method: Dividing SD rats randomly into 6 groups: Simple nephrectomy group, model group, irbesartan group, traditional Chinese medicine (TCM) low dose group, TCM middle dose group and TCM high dose group. Each group of rats was fed with the corresponding dose of medicine. After 6 weeks, detecting 24 h urine protein (UPro) level, renal function, p38 MAPK mRNA and p-p38MAPK protein level. Result: UPro levels of irbesartan group, TCM low group and TCM middle dose group decreased significantly ( $P<0.05$ ), compared with that of the model group. Renal function of the treated groups was improved greatly and their p38 MAPK mRNA and p-p38MAPK protein levels decreased significantly ( $P<0.05$ ), compared with those of the model group. Conclusion: Supplementing Qi-nourishing Yin-dispersing blood stasis-dredging collateral herbs could treat DN rats effectively by inhibiting the expression of p38 MAPK signaling pathway.

**keywords:** supplementing Qi-nourishing Yin-dispersing blood stasis-dredging collateral herbs DN rats p38MAPK signaling pathway

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)