

三化汤对脑缺血再灌注大鼠脑组织胞质附着蛋白表达的影响

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中文摘要:目的: 观察三化汤对脑缺血再灌注大鼠脑组织胞质附着蛋白(ZO-1)表达的影响。 方法: 将大鼠随机分为假手术组、模型组、三化汤低、高剂量组(7.2,14.4 g · kg⁻¹)、尼莫地平组(8.1 mg · kg⁻¹)。大鼠常规饲养3 d后灌胃给药,每日1次,连续7 d后采用线栓法制备脑缺血再灌注大鼠模型。脑缺血2 h再灌注24 h后,取脑组织采用免疫组织化学法检测各组大鼠ZO-1的表达。 结果: 与假手术组比,模型组脑组织ZO-1表达显著降低(P<0.01);与模型组比,三化汤高剂量组脑组织ZO-1表达显著升高(P<0.01),尼莫地平组脑组织ZO-1表达也明显升高(P<0.05),三化汤低剂量组脑组织ZO-1表达升高不明显,无显著性差异;三化汤高剂量组升高脑组织ZO-1表达较尼莫地平组明显(P<0.05)。 结论: 三化汤对大鼠脑缺血再灌注损伤具有一定的保护作用。

中文关键词:[三化汤](#) [脑缺血再灌注](#) [脑组织ZO-1](#)

The Effect of Sanhua Tang on Expression of ZO-1 in Brain Tissues of Cerebral Ischemia-reperfusion Rat

Abstract:Objective: To observe the effect of Sanhua Tang on expression of zona occludens-1(ZO-1) in brain tissues of cerebral ischemia-reperfusion rat. Method: The rats were randomly divided into sham operation group,model group,low dose group of Sanhua Tang, large dose group of Sanhua Tang and nimodipine group. The middle cerebral artery was blocked with suture method to prepare cerebral ischemia reperfusion model. After cerebral ischemia for two hours and reperfusion for twenty-fourth hours, the expression of ZO-1 was detected in every brain tissues by immunohistochemical technique. Result : Compared with sham operation group,in model group expression of ZO-1 in brain tissues of cerebral ischemia-reperfusion rat was significantly decreased(P<0.01);compared with model group,expression of zo-1 in brain tissues was significantly increased in large dose group of Sanhua Tang(P<0.01).In nimodipine group the expression of zo-1 was evidently increased(P<0.05).there were no significant differences between model group and low dose of Sanhua Tang. Compared with nimodipine group, the expression of ZO-1 in brain tissues of cerebral ischemia-reperfusion rat was significantly increased in large dose group of Sanhua Tang(P<0.05). Conclusion: Sanhua Tang can protect against injure of cerebral ischemia-reperfusion in rat.

keywords:[Sanhua Tang](#) [cerebral ischemia-reperfusion](#) [zona occludens-1 in brain tissues](#)

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