中国实验方剂学杂志

China Journal of Experimental Traditional Medical Formulae

首页

期刊简介

投稿指南

特约审稿人 第三届编委会

广告合作

在线订阅

联系我们

复方丹参滴丸对急性心肌缺血大鼠模型的影响

点此下载全文

引用本文: 袁宝萍,吕嵘,章忱,顾燕频,廖月玲,冯霞,卫洪昌.复方丹参滴丸对急性心肌缺血大鼠模型的影响[J].中国实验方剂学杂志.2012,18(22):222~226

摘要点击次数:60 全文下载次数:40

作者 单位

E-mail

 袁宝萍
 上海中医药大学病理教研室,上海 201203

 吕嵘
 上海中医药大学病理教研室,上海 201203

 章忱
 上海中医药大学病理教研室,上海 201203

 顾燕频
 上海中医药大学病理教研室,上海 201203

 上海中医药大学病理教研室,上海 201203
 上海中医药大学病理教研室,上海 201203

 廖月玲
 上海中医药人学病理教研室,上海 201203

 冯霞
 上海中医药大学病理教研室,上海 201203

 卫洪昌
 上海中医药大学病理教研室,上海 201203

bljys@yahoo.com.cn

基金项目:上海市基础研究重点项目(09JC1413300);上海市教委创新项目(10YZ52)

中文摘要:目的: 探讨复方丹参滴丸对异丙肾上腺素(ISO)诱导的大鼠急性心肌缺血模型的保护性作用及其与细胞凋亡的相关机制研究。 方法: 大鼠采用随机数字法分为:正常组、模型组、复方丹参滴丸组(后简称复方组)、盐酸地尔硫卓组。每组大鼠提前给药一周,复方组剂量为80 mg \cdot kg \cdot kg \cdot d \cdot d \cdot l in mg \cdot kg \cdot kg \cdot kg \cdot l in mg \cdot kg \cdot

中文关键词:复方丹参滴丸 急性心肌缺血 异丙肾上腺素 细胞凋亡

Effect of Compound Danshen Dripping Pills on Acute Myocardial Ischemia in Rat Model

Abstract:Objective:To find the protective role of compound denshen dripping pills(CDDP) on acute myocardial ischemia induced by isoproterenol (ISO) in rat, and it in apoptosis-related mechanism. Method: Rats were divided into: normal group, model group, compound Danshen Dripping Pill group (referred to as the compound group), the tim Seoul heart group. Rats of each group were in advance administrated for one week, the compound group dose 80 mg • kg⁻¹ • d⁻¹, Tim dongle group dose 16 mg • kg⁻¹ • d⁻¹, the normal group and model group were given normal saline. Subcutaneous injection of large doses of ISO 20 mg • kg⁻¹ • d⁻¹ was used to induce model, for two days. The hemodynamics by multichannel physiologic recorder was recorded with PE50 catheter into left ventricle through right arteria carotis. Content changes of superoxide dismutase (SOD), malondialdehyde(MDA), troponin I(TnI) in serum were tested. The myocardial tissue paraffin section was obtained for HE staining to observe pathological changes of myocardial tissue. Expression changes of apoptosis-related proteins apoptosis signal regulating kinase 1(ASK-1) and caspase-9 were detected using Western blot. Result: In model group, hemodynamics of systolic blood pressure(SBP), diastolic blood pressure (DBP), and mean arterial blood pressure(MBP), heart rate(HR), left ventricular systolic pressure(LVSP) and left ventricular end diastolic blood pressure(LVEDP), left ventricular pressure the greatest change in systolic and diastolic rate(\pm dp/dt_{max}) were significantly lower compared with the normal group (P<0.05). Compared with model group, serum SOD levels compared with normal group was significantly increased (P<0.05); the compound group SOD levels compared with the model group was significantly elevated (P<0.05). Serum MDA and TnI in model group were

significantly increased compared with the normal group (P<0.05), the compound group compared with the model group, MDA and TnI were decreased statistically (P<0.05). Western blot results showed that in the model group, the ASK-1, caspase-9 protein expression was significantly increased compared with the normal group (P<0.05), the ASK-1 and caspase-9 protein expression of the compound group were significant decreased compared with the model group(P<0.05). Conclusion: CDDP has a protective role on acute myocardial ischemia in ISO-induced rat model, and the target may be involved in myocardial apoptosis associated signal conditioning.

keywords:compound Danshen dripping pill acute myocardial ischemia isoproterenol apoptosis

查看全文 查看/发表评论 下载PDF阅读器

广告服务



中国实验方剂学杂志编辑部版权所有

您是本站第**3030596**位访问者 今日一共访问**2488**次 地址: 北京东直门内南小街16号邮编: 100700 电话: 010-84076882 在线咨询 京ICP备09084417号