

论文

活血化瘀冠心 II 号方及其组成药对抗心肌缺血和增强缺氧耐力的实验研究

徐理纳;尹钟洙;欧阳蓉

中国医学科学院药物研究所

摘要:

本文研究治疗心绞痛的有效复方冠心 II 号的抗缺血、抗缺氧作用用后叶素引起的大鼠心肌缺血,以心电图的改变判断心肌缺血。II 号方静脉注射时有抗心肌缺血作用。方中组成药在复方中相应剂量时作用都不及总方强,组成药间存在协同作用。增加复方的组成药剂量腹腔注射时,赤芍、川芎和红花有显著的抗心肌缺血作用。降香和丹参的作用不明显。用低压缺氧和常压缺氧法,观察小鼠在缺氧条件下的存活率和存活时间。II 号方静脉注射和口服时,有抗低压缺氧作用。在常压缺氧时以及预先给小鼠异丙肾在增加心肌氧耗的情况下,II 号方仍有作用,II 号方中组成药口服时,除红花外,都有不同程度的抗缺氧作用。

关键词:

THE EFFECT OF COMPOSITUS GUAN-XIN NO 2 ON MYOCARDIAL ISCHAEMIA AND HYPOXIA IN EXPERIMENTAL ANIMALS

Xu Lina; Yin Zhongzhu and Ou Yangrong

Abstract:

Compositus Guan-Xin NO 2 has been Used for the treatment of angina pectoris with favorable results. In this paper studies on the effect of the compositus on myocardial ischaemia and hypoxia are. described. The compositus composed of traditional Chinese Huo Xue Hua Yu (medicines for the treatment of blood stasis and for the improvement of circulation) drugs Dan-Shen (Salvia miltiorrhiza)、Chuan-Xiong (Ligusticum Wallichii), Hong-Hua (Carthamus tinctorius), Chi-Shao (Paeonia lactiflora)and Jiang-Xiang (Dalbergia odorifera). The aqueous or alcoholic extract of the compositus. and the decoctions of the ingredients of the compositus were used.Experimental myocardial ischaemia was induced by intravenous injection of pituitrin in intact unanesthetized rats. The pituitrin induced acute ischaemia was reduced by the compositus pretreatment as indicated by improvement of ECG. Chuan-Xiong、Hong-Hua or Chi-Shao showed a prophylactic action on the myocardial ischaemia. The hypoxic ECG was not affected by injection of Dan-Shen or Jiang-Xiang.Mice were subjected to low pressure hypoxia or hypoxia induced by inhalation of 6 per cent oxygen in nitrogen. The survival rate or survival time was estimated. The compositus, given intravenously or orally, increased the resistance of mice to hypoxia. A similar result was obtained in mice pretreated with isoproterenol. All the ingredients of the compositus, except Hong-Hua, were shown to increase the resistance of mice to hypoxia in different degrees when administered orally.

Keywords:

收稿日期 1978-03-14 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

参考文献:

本刊中的类似文章

文章评论 (请注意:本站实行文责自负, 请不要发表与学术无关的内容!评论内容不代表本站观点.)

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(384KB)
- ▶ [HTML全文]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

本文作者相关文章

- ▶ 徐理纳
- ▶ 尹钟洙
- ▶ 欧阳蓉

PubMed

- ▶ Article by
- ▶ Article by
- ▶ Article by

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标题	<input type="text"/>	验证码	<input type="text" value="6672"/>