

中国实验方剂学杂志

china Journal of Experimental Traditional Medical Formulae 国际刊号:ISSN1005-9903 国内刊号:CN11-3495/R

搜索框 标题 作者 单位 高级检索 帮助

- 首页 期刊简介 电子杂志 编委会 理事会 广告合作 会务信息 联系我们

最新公告 查看更多

当前位置: 首页

黎迎, 杜守颖, 刑煜舒, 尚可心, 萧伟. 不同基质制备复方南星止痛贴膏剂的过程中指标成分损失对比[J]. 中国实验方剂学杂志, 2013, 19(7): 17-19

不同基质制备复方南星止痛贴膏剂的过程中指标成分损失对比

Comparison on Index Components Loss During Preparation Process of Compound Nanxing Pain Paste Formed with Different Stroma

投稿时间: 2012-10-13 下载全文

DOI: 10.11653/zgsyfxzz2013070017

中文关键词: 复方南星止痛膏 凝胶膏剂 溶剂型压敏胶贴剂 乳液型压敏胶贴剂 丁香酚 欧前胡素 HPLC

英文关键词: compound Nanxing pain paste gel ointment solvent transdermal patch emulsion transdermal patch eugenol imperatorin HPLC

基金项目: 中药制药过程新技术国家重点实验室开放基金课题(SKL2010M0302); 北京中医药大学复方中药制药研究创新团队项目(2011-CXTD-13)

Table with 2 columns: 作者, 单位, E-mail. Rows include 黎迎, 杜守颖, 刑煜舒, 尚可心, 萧伟 and their respective affiliations.

摘要点击次数: 112

全文下载次数: 156

中文摘要:

目的: 建立不同基质制备复方南星止痛膏中丁香酚、欧前胡素的含量测定方法, 比较制备过程中丁香酚、欧前胡素损失。方法: C18色谱柱(4.6 mm×250 mm, 5 μm), 以甲醇-1%乙酸水溶液进行梯度洗脱(0~30 min, 46%A; 30~32 min, 46%~61%A; 32~34 min, 61%A; 34~42 min, 61%~47%A; 42~60 min, 47%A), 检测波长280, 300 nm, 柱温30 ℃。以丁香酚、欧前胡素的损失率为指标, 比较不同基质制备的3种贴膏剂的优劣。结果: 丁香酚和欧前胡素进样量分别在0.018 31~3.662 7, 0.013 22~0.528 6 μg与峰面积线性关系良好(r=0.999 9)。3种贴膏剂制备过程中欧前胡素损失均较小, 丁香酚损失均较大, 其中凝胶膏剂制备过程中丁香酚损失最少。结论: 建立的含量测定方法准确、稳定、分离效果好, 可用于测定3种复方南星止痛贴膏中丁香酚、欧前胡素的含量; 复方南星止痛凝胶膏剂优于其他2种基质制备的复方南星止痛贴剂。

英文摘要:

Objective: To establish a method for determining the content of eugenol and imperatorin in compound Nanxing pain paste formed with different stroma, and compare the loss rate of these two components during preparation process. Method: HPLC was adopted performing on a C18 column(4.6 mm×250 mm, 5 μm) with a mobile phase of methanol(A)-1% acetic acid (B), the gradient elution program was as follows:0-30 min, 46%A;30-32 min, 46%-61%A;32-34 min, 61%A;34-42 min, 61%-47%A;42-60 min, 47%A.The detection wavelength was set at 280 and 300 nm, the column temperature was at 30 ℃.Quality of these prepared three kinds of paste were comprehensively compared with the loss rate of index components during preparation process as indexes. Result: Eugenol was linear in the range of 0.018 31-3.662 7 μg(r=0.999 9), imperatorin was linear in the range of 0.013 22-0.528 6 μg(r=0.999 9).The loss rate of eugenol in compound Nanxing pain paste formed with different stroma were all large, however the loss rates of imperatorin were all small.Then the loss rates of eugenol in gel ointment of compound Nanxing pain paste were all smaller than solvent and emulsion transdermal patch of compound Nanxing pain paste. Conclusion: This established determination method was accurate and had satisfactory efficacy, it could determine the content of eugenol and imperatorin in these three kinds of compound Nanxing pain paste, and compound Nanxing pain gel ointment was more superior to be prepared as patch.

查看全文 查看/发表评论 下载PDF阅读器

关闭



期刊信息

主管: 国家中医药管理局 主办: 中国中医科学院中药所; 中国中西医结合学会中药专业委员会 协办: 中国中医科学院西苑医院; 北京首儿药厂; 大连华立金港药业有限公司; 凉山彝族自治州第二人民医院 国际刊号: ISSN1005-9903 国内刊号: CN11-3495/R 主编: 姜廷良 社长: 蔡仲德 影响因子: 0.711 (CJCR), 0.629, 被引频次1298 (万方) 网址: 出版: 地址: 北京东直门内南小街16号 邮编: 100700 电话: 010-84076882 邮发代号: 2-417(国内) 定价: 35 E-mail: syfxj\_2010@188.com 广告代理:

版权声明

本刊文章和图标均有版权, 未经本刊允许, 不得转载, 违者必究

广告服务

更多单位

Grid of logos for various institutions and companies including Nanjing Institute of Technology, Jinport, Dalian Zhongyuan Hospital, West Garden Hospital, Beijing Children's Hospital, etc.



导航  
期刊简介  
电子杂志  
学术专家  
理事会  
广告合作  
会务信息

关注  
新浪微博  
腾讯微博  
设为主页  
加入收藏  
加入右键  
放到桌面

平台  
在线投稿  
稿件查询  
编辑办公  
专家审稿  
杂志订阅

服务  
网站地图

网络技术运维



您是本站第 3620944 位访问者 今日一共访问 2892 次

Copyright ©2012 中国实验方剂学杂志编辑部 All Rights Reserved 京ICP备09084417号