

半月刊

1992 年 1 月创刊

2022 年 6 月 第 31 卷 第 11 期

(总第 558 期)

2022 年 6 月 5 日出版

中国药业

ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

● 药业专论

2013 年至 2019 年中国上市医药企业运营效率分析 夏 昉, 崔严尹, 刘金萍, 赫玉芳(1)

● 药事管理

重庆市新型冠状病毒肺炎疫情期间临床试验开展现状调查

..... 霍本念, 李 晨, 贾运涛, 宋 林, 李 斌, 徐 靖, 向明凤, 宋鸿宇, 艾茂林, 尹楠戈, 刘 耀(6)

电子处方的法律效力探讨 孙华君, 崔文彬, 于广军(11)

实验室信息管理系统在药品标准管理中的应用 赵艳霞, 马克民, 周维利, 华逢彪, 孙 铜, 程春雷(14)

中药退热凝胶贴膏市场分析 尹瑞阳, 祝莹莹, 顾益泉, 王海强(17)

仿制药生物等效性试验受试者筛选合格率的提高方法 易红红, 焦志海, 刘成全, 舒 佑, 易 锐(20)

● 药理学论著

基于中医传承辅助平台挖掘拟组用于卵巢早衰的中药组方

..... 李 娇, 邓丽君, 乡世健, 何 滔, 蔡慧敏, 刘光明, 杨慧龄, 周本杰(23)

黄芪多糖高压破碎提取工艺优化及体外抗氧化活性研究 梁万年, 李海池, 钟 超, 廖志远, 王晓可, 陈图敏(28)

医院开展个体化浓缩丸工艺研究及质量回顾性评估 陈 洁, 丘振文, 蔡庆群, 李冠鑫, 李得堂(33)

款冬花炮制方法优选 赖岳晓, 刘佩沂, 田素英, 雷浩强, 周 臻, 黄少浩, 曾金玲(36)

两面针活血化瘀机制网络药理学研究 马 庆, 邬国松, 陈剑洪, 詹若挺, 韩正洲(39)

小儿哮喘巴布剂制备工艺优选 吴晓明, 钱桂英(47)

正交试验优选通癯颗粒提取工艺 陈 森, 李曙光, 杨淡梅(51)

薯蓣皂苷对阿尔茨海默病模型大鼠认知功能的影响 刘 璐, 丁 力, 方晓霞, 孙延鹏, 陈 俊(55)

● 检验检测

薄层色谱法检测聚维酮 K90 中胂 吴红洋, 詹宇杰, 李 莎, 韩海燕, 武静文, 范能全(60)

高效液相色谱 - 电喷雾检测器法测定程序性死亡蛋白 - 1 抑制剂中甘露醇含量

..... 田沛霖, 李玥琦, 王思渊, 鲁 辉, 张国林(63)

黄牛木叶质量标准提升研究 刘特津, 辛晓芳, 曾繁伟(66)

高效液相色谱法同时测定前胡药材中白花前胡甲素和白花前胡乙素含量 邱明鸣, 朱育凤, 倪昌荣(70)

基于特征图谱和含量测定的乌梅丸质量标准研究 许宗颖, 车晓彦, 包小红, 刘兴兰, 张冬梅, 陈 萌(73)

甘露醇原料药及其制剂中甘露醇的高效液相色谱 - 电喷雾检测器分析方法 赵 慧, 王董云, 吴 珺(79)

超高效液相色谱 - 串联质谱法同时测定痤疮消炎洗剂中 8 种化学成分含量

..... 张蓬华, 卢 伟, 陈 黎, 叶 方(82)

● 临床研究

呋达帕胺联合贝那普利对 2 级原发性高血压患者血管内皮功能及心血管活性肽 Salusins 水平的影响

..... 程 航, 杨向东, 李 帆, 谢 玲(86)

锌剂联合腹部按摩治疗婴幼儿腹泻临床研究 吉祥灵,雷智贤,吴守业,赵春妹,郑雪莹(90)
 右美托咪定联合区域神经阻滞镇痛对老年骨科手术患者术后镇痛镇静效果及生活质量的影响
 肖 鹏,曹 磊,姚立群,王友宁(93)
 培美曲塞联合顺铂一线化疗方案治疗肺腺癌生存预测中 T 淋巴细胞亚群基线水平的价值评估
 华海琴,郑小妹,吴大平(96)
 硝苯地平联合硫酸镁对妊娠期高血压孕妇凝血功能及母婴结局的影响 鲍红玉,张凯英,李桂花,刘 彬(101)
 右美托咪定不同给药方式对小儿术后躁动及应激反应的影响 彭景燕,李玉霞,杨运亮,吴亚东,谷昆峰(104)
 关节腔内注射帕瑞昔布对膝骨关节炎患者血清及关节滑液细胞因子水平的影响
 李绪贵,谢 维,唐 瑾,李俊杰,竺义亮,李 智(108)

药品评价

乳腺癌药物治疗致中性粒细胞减少的影响因素分析及重组人粒细胞集落刺激因子使用评价
 王运红,范海涛,李 宇,吕 鹏,陈传涛(111)

药 学 监 护

某院近 10 年血流感染病原菌分布及耐药趋势分析
 郑巧伟,罗赛赛,任晓东,陈延坤,张 迪,封卫毅,魏友霞(116)
 临床药师在医师-药师联合门诊开展药物重整的效果分析 张耀峰,黄静娥,符红波,张奕芝(121)
 2018 年至 2020 年南京地区 48 家医院注射用升白细胞药物使用分析 史华慧,罗 璨,顾中盛(125)

综 述

含乙醇手消毒剂研究进展 陈俐志,刘 莹,杜 彪(128)

中国药业
 ZHONGGUO YAOYE
 中国标准连续出版物号 ISSN 1006-4931
 CN 50-1054/R
 主管单位 国家药品监督管理局
 北京市西城区展览路北露园1号,100037
 主办单位 重庆市药品监督管理局
 重庆市渝北区食品城大道27号,401120
 出版单位 中国药业杂志社
 重庆市渝中区长江一路 61 号地产大厦
 1 号楼 19 层,400014
 印刷单位 重庆市国丰印务有限责任公司
 重庆市巴南区金竹工业园区金竹街 36 号,401320
 国内发行 中国邮政集团公司重庆市分公司
 重庆市渝中区嘉陵桥西村 83 号,400015
 国外发行 中国国际图书贸易集团有限公司
 北京市海淀区车公庄西路 35 号,100048
 邮发代号 国内 78-130 国外 SM 5135
 全国各地邮局(所)均可订阅
 定 价 每册 10.00 元,全年 240 元
 广告经营许可证号 (渝中市监)广登字(2020)第 002 号
 开户银行 交通银行重庆渝中支行
 账 号 500102120010149000795

顾问 齐谋甲 樊代明 刘昌孝
 主任委员 周隆海
 副主任委员 赵 勇 胡 欣 王晓波 史录文 吕迁洲
 高 申 蒋学华 邵 蓉 缪丽燕 童荣生
 张伶俐 林能明 张晚坚 苏乐群 陈勇川
 张 蓉 李 健 绳金房 封卫毅 吴建龙
 赵春景 黄富宏 徐维平 汤 华
 总 编 辑 马 劲
 荣 誉 主 编 张鹤镛
 主 编 刘 斌
 执行主编 郭 澄 夏培元 文爱东 徐 珽
 副 主 编 赵志刚 葛卫红 邱 峰 赵荣生 张 健
 沈爱宗 王靖雯 赖伟华 周本杰 卞晓岚
 刘松青 叶 云 陈剑鸿 蓝 柯 王 凌
 枉 前 王永庆
 电 话 023-86592565
 在线投稿 http://www.zhongguoyaoe023.com

声 明
 1.本刊发表文章不代表本刊观点,版权归中国药业杂志社所有。未经授权,其他任何机构、个人不得转载、摘编。
 2.本刊被中国知网、万方数据、维普资讯等数据库和本刊网站全文收录,作者稿酬包括上述数据库和网站的使用报酬。若作者不同意收录,请在来稿时声明,以便妥善处理。
 3.本刊稿酬有现金和转赠《中国药业》两种支付方式,投稿本刊即视为同意本刊稿酬支付标准和支付方式。需现金支付稿酬的作者,请务必在投稿时声明或在论文刊发前来电来函告知。若无特殊声明,论文发表 3 月内,本刊将根据其稿酬金额自动转赠《中国药业》杂志。

China Pharmaceuticals

June 5, 2022 Volume 31 – Number 11

Contents

◆ Monograph on Pharmaceutical Industry

Operational Efficiency of China's Listed Pharmaceutical Enterprises from 2013 to 2019

..... XIA Fang, CUI Yanyin, LIU Jinping, HE Yufang(1)

◆ Pharmaceutical Administration

Investigation on the Current Situation of Clinical Trial During COVID – 19 Epidemic in Chongqing

..... HUO Bennian, LI Chen, JIA Yuntao, SONG Lin, LI Bin, XU Jing, XIANG Mingfeng,
SONG Hongyu, AI Maolin, YIN Nange, LIU Yao(6)

Legal Validity of Electronic Prescription SUN Huaqun, CUI Wenbin, YU Guangjun(11)

Application of Laboratory Information Management System in Drug Standard Management

..... ZHAO Yanxia, MA Kemin, ZHOU Weili, HUA Fengbiao, SUN Tong, CHENG Chunlei(14)

Market Analysis of Chinese Medicine Antipyretic Gel Plaster

..... YIN Ruiyang, ZHU Yingying, GU Yixiao, WANG Haiqiang(17)

A Method for Improving the Qualified Rate of Subject Screening in Bioequivalence Trial of Generic Drug

..... YI Honghong, JIAO Zhihai, LIU Chengquan, SHU You, YI Rui(20)

◆ Pharmacy Articles

Mining and Preparation of Traditional Chinese Medicine Prescription for the Treatment of Premature Ovarian Failure Based on TCMISS

..... LI Jiao, DENG Lijun, XIANG Shijian, HE Tao, CAI Huimin, LIU Guangming, YANG Huiling, ZHOU Benjie(23)

Optimization of High – Pressure Crushing Extraction Process of *Astragalus* Polysaccharides and Study of Its *in Vitro* Antioxidant Activity

..... LIANG Wannian, LI Haichi, ZHONG Chao, LIAO Zhiyuan, WANG Xiaoke, CHEN Tumin(28)

Process Study of Individualized Concentrated Pills in a Hospital and Retrospective Evaluation of Its Quality

..... CHEN Jie, QIU Zhenwen, CAI Qingqun, LI Guanxin, LI Detang(33)

Optimization of Processing Method of *Farfarae* Flos

..... LAI Yuexiao, LIU Peiyi, TIAN Suying, LEI Haoqiang, ZHOU Zhen, HUANG Shaohao, ZENG Jinling(36)

Network Pharmacology of the Mechanism of *Zanthoxyli Radix* for Promoting Blood Circulation and

Removing Blood Stasis MA Qing, WU Guosong, CHEN Jianhong, ZHAN Ruoting, HAN Zhengzhou(39)

Optimization of Preparation Process of Infantile Asthma Cataplasms WU Xiaoming, QIAN Guiying(47)

Optimization of Extraction Process of Tonglong Granules by the Orthogonal Test

..... CHEN Miao, LI Shuguang, YANG Danmei(51)

Effect of Diosgenin on the Cognitive Function in Model Rats with Alzheimer's Disease

..... LIU Lu, DING Li, FANG Xiaoxia, SUN Yanpeng, CHEN Jun(55)

◆ Inspection and Test

Detection of Hydrazine in Povidone K90 by TLC

..... WU Hongyang, ZHAN Yujie, LI Sha, HAN Haiyan, WU Jingwen, FAN Nengquan(60)

Determination of Mannitol in Programmed Death – 1 Inhibitor by HPLC – CAD

..... TIAN Peilin, LI Yueqi, WANG Siyuan, LU Hui, ZHANG Guolin(63)

Improvement of Quality Standard of Leaves of *Cratoxylum Cochinchinense*

..... LIU Tejin, XIN Xiaofang, ZENG Fanwei(66)

Simultaneous Determination of Praeruptorin A and Praeruptorin B in *Peucedani Radix* by HPLC

..... QIU Mingming, ZHU Yufeng, NI Changrong(70)

Quality Standard of Wumei Pills Based on Characteristic Chromatograms and Content Determination

..... XU Zongying, CHE Xiaoyan, BAO Xiaohong, LIU Xinglan, ZHANG Dongmei, CHEN Meng(73)

Determination of Mannitol in Mannitol API and Its Preparation by HPLC – CAD

..... ZHAO Hui, WANG Dongyun, WU Jun(79)

Simultaneous Determination of Eight Chemical Components in Cuochuang Xiaoyan Lotion by

UPLC – MS/MS ZHANG Penghua, LU Wei, CHEN Li, YE Fang(82)

◆ Clinical Research

Effect of Indapamide Combined with Benazepril on Vascular Endothelial Function and Level of Cardiovascular Active Peptide Salusins in Patients with Grade – II Essential Hypertension

..... CHENG Hang, YANG Xiangdong, LI Fan, XIE Ling(86)

Clinical Study of Zinc Preparations Combined with Abdominal Massage in the Treatment of Infantile Diarrhea	Ji Xiangling, LEI Zhixian, WU Shouye, ZHAO Chunmei, ZHENG Xueying(90)
Effect of Dexmedetomidine Combined with Regional Nerve Block Analgesia on Postoperative Analgesia, Sedation and Quality of Life in Elderly Patients Undergoing Orthopedic Surgery	XIAO Peng, CAO Lei, YAO Liqun, WANG Youning(93)
Value Evaluation of T Lymphocyte Subsets Baseline Level in the Survival Prediction of Lung Adenocarcinoma Treated with Pemetrexed Combined with Cisplatin as First – Line Chemotherapy Regimen	HUA Haiqin, ZHENG Xiaomei, WU Daping(97)
Effect of Nifedipine Combined with Magnesium Sulfate on Coagulation Function and Maternal and Infant Outcomes in Pregnant Women with Gestational Hypertension	BAO Hongyu, ZHANG Kaiying, LI Guihua, LIU Bin(101)
Effects of Different Administration Methods of Dexmedetomidine on Postoperative Agitation and Stress Response in Children	PENG Jingyan, LI Yuxia, YANG Yunliang, WU Yadong, GU Kunfeng(104)
Effect of Intra – Articular Injection of Parecoxib on Cytokines Levels in Serum and Synovial Fluid of Patients with Knee Osteoarthritis	LI Xugui, XIE Wei, TANG Jin, LI Junjie, ZHU Yiliang, LI Zhi(108)
◆ Drug Evaluation	
Influencing Factors of Neutropenia Induced by Therapeutic Drugs for Breast Cancer and Use Evaluation of rhG – CSF	WANG Yunhong, FAN Haitao, LI Yu, LYU Peng, CHEN Chuantao(111)
◆ Pharmaceutical Care	
Distribution and Drug Resistance Trend of Pathogenic Bacteria Inducing Bloodstream Infection in a Hospital in Recent Ten Years	ZHENG Qiaowei, LUO Saisai, REN Xiaodong, CHEN Yanshen, ZHANG Di, FENG Weiyi, WEI Youxia(116)
Role of Clinical Pharmacists in Medication Reconciliation in Physician – Pharmacist Joint Clinic	ZHANG Yaofeng, HUANG Jing'e, FU Hongbo, ZHANG Yizhi(121)
Use of Leucocyte Increasing Drugs for Injection of 48 Hospitals in Nanjing from 2018 to 2020	SHI Huahui, LUO Can, GU Zhongsheng(125)
◆ Review	
Research Progress of Ethanol – Containing Hand Sanitizers	CHEN Lizhi, LIU Ying, DU Biao(128)



China Standard Serial Numbering ISSN 1006-4931
CN 50-1054/R

Directed by National Medical Products Administration
No.1, Beiluyuan, Zhanlan Road, Xicheng Dist., Beijing, China, 100053

Sponsored by Chongqing Municipal Drug Administration
No.27, Food City Avenue, Yubei Dist., Chongqing, China, 401120

Edited & Published by China Pharmaceuticals Magazine Agency
19th Floor, Building 1, Real Estate Mansion
No.61, Changjiang No.1 St., Yuzhong Dist., Chongqing, China, 400014

Printed by Chongqing Guofeng Printing Co., Ltd.
No.36, Jinzhu St., Jinzhu Industrial Park, Ba'n'an Dist., Chongqing, China, 401320

Domestic Distributor
Chongqing Branch of China Post Group
No.83, West Village of Jialingqiao, Yuzhong Dist., Chongqing, China, 400015

Overseas Distributor
China International Book Trading Corporation
No.35, West Road of Chegongzhuang, Haidian Dist., Beijing, China, 100048

Domestic Code No. 78-130 **Overseas Code** No. SM 5135

Price ¥10.00 for each book, ¥240 for whole year

Bank of Deposit
Chongqing Yuzhong Subbranch of Bank of Communications

Account Number 500102120010149000795

Consultants Qi Moujia Fan Daiming Liu Changxiao

Director of the Editorial Board Zhou Longhai

Deputy Director of the Editorial Board

Zhao Yong	Hu Xin	Wang Xiaobo
Shi Luwen	Lyu Qianzhou	Gao Shen
Jiang Xuehua	Shao Rong	Miao Liyan
Tong Rongsheng	Zhang Lingli	Lin Nengming
Zhang Xiaojian	Su Lequn	Chen Yongchuan
Zhang Rong	Li Jian	Sheng Jinfang
Feng Weiyi	Wu Jianlong	Zhao Chunjing
Huang Fuhong	Xu Weiping	Tang Hua

General Editor Ma Jin

Honorary Editor-in-Chief Zhang Heyong

Editor-in-Chief Liu Bin

Executive Editors – in – Chief

Guo Cheng	Xia Peiyuan
Wen Aidong	Xu Ting

Deputy Editors – in – Chief

Zhao Zhigang	Ge Weihong	Qiu Feng
Zhao Rongsheng	Zhang Jian	Shen Aizong
Wang Jingwen	Lai Weihua	Zhou Benjie
Bian Xiaolan	Liu Songqing	Ye Yun
Chen Jianhong	Lan Ke	Wang Ling
Wang Qian	Wang Yongqing	

Tel 023-86592565

Web <http://www.zhongguoyaoye023.com>

Executive Editor Wang Haiying

Executive Proofreader Chen Nan

English Editor Zhang Xiaolin