

半月刊

1992年1月创刊

2021年5月 第30卷 第9期

(总第532期)

2021年5月5日出版

中国药业

ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

● 药业专论

我国家用医疗器械行业创新发展路径探析 赫玉芳, 宁春雪, 姚佩欣, 夏 昉(1)

● 药事管理

国内制药企业高端制剂发展概况及挑战 谷友刚(4)

药品生产企业相关人员对药品不良反应监测管理的质性研究 陈孟基, 陈家进, 廖新兴, 杨苗苗, 唐少文(8)

PDCA 循环法改善眼科中心门诊处方质量效果分析 谢晓露, 李锦清, 侯璇珠, 朱俊峰(11)

2019年湖北省基层医疗机构药事管理现状调研与分析 祁骏升, 李 娟, 刘 东, 杜 光, 付 伟(15)

医院“互联网+”门诊药学服务模式实践与效果 胡晨吉, 王世燕, 金朝辉, 郑明琳, 郭 毅, 樊 萍(18)

● 药理学论著

盐酸地芬尼多单层渗透泵控释片处方与制备工艺优化 曾 媛, 朱兰琼, 彭 璞, 熊 菁, 吴 芬, 刘 辉(22)

微生物发酵法制备牛樟叶粗多糖研究 张 蓓, 余潇苓, 万永艳, 张洪平, 梁学政(27)

给药途径及杞归八味口服液对大鼠二苯乙炔苷药代动力学的影响 ... 傅若秋, 王显凤, 张 琳, 段冬玉, 陈剑鸿(31)

硫酸沙丁胺醇吸入气雾剂与药用气雾剂铝瓶相容性研究 肖海文, 黄洁瑕, 雷春华, 王明巧, 林文辉(35)

星点设计-响应面法优选余甘子保健饮料制备工艺 裴河欢, 李 琦, 孙 朋, 凌光锋, 宁成裕, 张美凤(39)

$^{60}\text{Co}-\gamma$ 射线辐照灭菌对蜈蚣药粉品质的影响研究 韩振明, 关永霞, 张 微, 马 云, 张贵民(42)

阿托伐他汀治疗颈动脉粥样硬化疗效与基质金属蛋白酶-3 基因多态性的相关性 吴仕平, 刘 青(46)

● 检验检测

复方独活益肾合剂质量标准提升研究 李德林, 任路路, 韩 双(49)

微波消解-原子吸收火焰法测定肝精补血素口服液中总铁含量 申二永, 金建闻, 李 杨(53)

高效液相色谱法测定产后康膏中盐酸益母草碱含量

..... 徐宁宁, 朱辰奇, 顾 依, 景荣先, 周 琴, 沈惠明, 陈志鹏, 刘 馨(56)

罗库溴铵注射液水解降解杂质含量预测研究 付 强, 柯 锐, 朱柄甲, 徐兴志, 刘君洋, 王志云, 陆伟跃(59)

反相高效液相色谱法测定参芪降糖胶囊中梓醇含量

..... 冯光军, 罗 丹, 冉凤英, 杨 洋, 杨光义, 梅全喜, 陈琴华(63)

● 临床研究

阿立哌唑联合氨磺必利对精神分裂症患者心理状况的影响 白红娟, 马学银, 解 磊(65)

布托啡诺超前镇痛联合硬膜外自控镇痛用于腹腔镜下子宫肌瘤剔除术后临床研究 王植丰,陈茜松(68)
西妥昔单抗联合 FOLFOX4 方案治疗结直肠癌术后复发疗效观察 ... 孙召龙,孙爱国,郭 影,张丽娜,王 铁(71)
扶正解毒汤联合参麦注射液对脓毒血症患者体液免疫功能的影响 刘海林,霍娟勇,燕焱旬(74)

药品评价

基于 FAERS 的右美托咪定相关不良反应数据挖掘 裴昱文,基 鹏,周灵妍,吴 斌,何治尧,徐 琰(77)
利伐沙班与其他抗栓药用于髋膝关节置换术后有效性与安全性比较系统评价
..... 钟 燕,李小丝,蒋娅莉,郭 睿,多布拉(81)

药学监护

洋葱伯克霍尔德菌的耐药性与抗菌药物使用强度相关性分析
..... 周丽娟,蒙光义,梁春宏,彭评志,钟丽球,梁 河,韦凤华(88)
临床药师干预前后消化内科抗菌药物使用情况比较 朱永红,陈伯华,殷晓芹,罗 佳,王 爽(92)
重庆涪陵地区非瓣膜性房颤患者流行病学特征及抗栓治疗现状调查
..... 陈 霞,施 超,纪金金,穆 瑶,陈 欢,舒德忠(96)



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 琰
副 主 编 赵志刚 葛卫红 邱 峰 赵荣生 张 健
王婧雯 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。

期刊基本参数:CN 50-1054/R * 1992 * s * A4 * 96 * zh * P * ¥10.00 * * 27 * 2021-09

本期责任编辑 王海英 责任校对 陈 园 英文编辑 张小林

China Pharmaceuticals

May 5, 2021 Volume 30 – Number 9

Contents

◆ Monograph on Pharmaceutical Industry

Innovative Development Path of China's Domestic Medical Device Industry

..... HE Yufang, NING Chunxue, YAO Peixin, XIA Fang(1)

◆ Pharmaceutical Administration

Development and Challenges of High – End Pharmaceutical Preparations in Domestic Pharmaceutical

Enterprises GU Yougang(4)

Qualitative Research on the Monitoring and Management of Adverse Drug Reactions Among the
Relevant Personnel in Pharmaceutical Enterprises

..... CHEN Mengji, CHEN Jiajin, LIAO Xinxing, YANG Miaomiao, TANG Shaowen(8)

Effect of PDCA Cycle on Improving the Quality of Outpatient Prescriptions in an Eye Center

..... XIE Xiaolu, LI Jinqing, HOU Xuanzhu, ZHU Junfeng(11)

Investigation and Analysis on the Current Situation of Pharmacy Administration in Primary Medical

Institutions in Hubei Province in 2019 QI Junsheng, LI Juan, LIU Dong, DU Guang, FU Wei(15)

Practical Effect of the "Internet Plus" Outpatient Pharmaceutical Care Model in a Hospital

..... HU Chenji, WANG Shiyan, JIN Zhaohui, ZHENG Minglin, GUO Yi, FAN Ping(18)

◆ Pharmacy Articles

Optimization of the Prescription and Preparation Process of Difenidol Hydrochloride Single – Layer

Osmotic Pump Controlled – Release Tablets

..... ZENG Yuan, ZHU Lanqiong, PENG Ying, XIONG Jing, WU Fen, LIU Hui(22)

Extraction of Crude Polysaccharides from *Cinnamomum Kanehirae* Leaves by Microbial Fermentation

..... ZHANG Bei, YU Xiaoling, WAN Yongyan, ZHANG Hongping, LIANG Xuezheng(27)

Effects of Administration Routes and Qiguibawei Oral Liquid on the Pharmacokinetics of Stilbene

Glucoside in Rats FU Ruoli, WANG Xianfeng, ZHANG Lin, DUAN Dongyu, CHEN Jianhong(31)

Compatibility Between Salbutamol Sulfate Inhalation Aerosol and Pharmaceutical Aerosols Aluminum Bottle

..... XIAO Haiwen, HUANG Jiexia, LEI Chunhua, WANG Mingqiao, LIN Wenhui(35)

Optimization of Preparation Process of *Phyllanthus Emblica* Health Drink by Central Composite

Design – Response Surface Methodology

..... PEI Hehuan, LI Qi, SUN Peng, LING Guangfeng, NING Chengyu, ZHANG Meifeng(39)

Effect of ^{60}Co – γ – Ray Irradiation Sterilization on the Quality of *Scolopendra Subspinipes Mutilans*

Medicinal Powder HAN Zhenming, GUAN Yongxia, ZHANG Wei, MA Yun, ZHANG Guimin(42)

Correlation Between the Efficacy of Atorvastatin in the Treatment of Carotid Atherosclerosis and

Matrix Metalloproteinase – 3 Gene Polymorphism WU Shiping, LIU Qing(46)

◆ Inspection and Test

Improvement of the Quality Standard of Compound Duhuo Yishen Mixture

..... LI Delin, REN Lulu, HAN Shuang(49)

Content Determination of Total Iron in Ganjing Buxuesu Oral Liquid by Microwave Digestion – Atomic

Absorption Spectrometry SHEN Eryong, JIN Jianwen, LI Yang(53)

Content Determination of Leonurine Hydrochloride in Chanhoukang Paste by HPLC

..... XU Ningning, ZHU Chenqi, GU Yi, JING Rongxian, ZHOU Qin, SHEN Huiming, CHEN Zhipeng, LIU Xin(56)

Content Prediction of Hydrolytic Degradation Impurities in Rocuronium Bromide Injection

..... FU Qiang, KE Rui, ZHU Bingjia, XU Xingzhi, LIU Junyang, WANG Zhiyun, LU Weiyue(59)

Content Determination of Catalpol in Shenqi Jiangtang Capsules by RP – HPLC

..... FENG Guangjun, LUO Dan, RAN Fengying, YANG Yang, YANG Guangyi, MEI Quanxi, CHEN Qinhua(63)

◆Clinical Research

- Effect of Aripiprazole Combined with Amisulpride on Mental State of Patients with Schizophrenia
..... BAI Hongjuan, MA Xueyin, XIE Lei(65)
- Effect of Butorphanol Preemptive Analgesia Combined with Patient – Controlled Epidural Analgesia on Pain Degree and Oxidative Stress in Patients Undergoing Laparoscopic Myomectomy
..... WANG Zhifeng, CHEN Qiansong(68)
- Efficacy of Cetuximab Combined with FOLFOX4 in the Treatment of Postoperative Recurrence of Colorectal Cancer SUN Zhaolong, SUN Aiguo, GUO Ying, ZHANG Lina, WANG Tie(71)
- Effect of Fuzheng Jiedu Decoction Combined with Shenmai Injection on the Humoral Immune Function in Patients with Sepsis LIU Hailin, HUO Juanyong, YAN Yaoyun(74)

◆Drug Evaluation

- Data – Mining of Dexmedetomidine – Related Adverse Drug Reaction Based on FAERS
..... PEI Yuwen, JI Peng, ZHOU Lingyan, WU Bin, HE Zhiyao, XU Ting(77)
- Comparison of Efficacy and Safety of Rivaroxaban Versus Other Antithrombotic Agents After Hip and Knee Arthroplasty: A Systematic Review ZHONG Yan, LI Xiaosi, JIANG Yali, GUO Rui, DUO Bula(81)

◆Pharmaceutical Care

- Correlation Between the Drug Resistance of *Burkholderia Cepacia* and the Antibiotics Use Density
..... ZHOU Lijuan, MENG Guangyi, LIANG Chunhong, PENG Pingzhi, ZHONG Liqiu, LIANG He, WEI Fenghua(88)
- Comparison of the Usage of Antibiotics in the Department of Gastroenterology Before and After Intervention by Clinical Pharmacists ZHU Yonghong, CHEN Bohua, YIN Xiaoqin, LUO Jia, WANG Shuang(92)
- Investigation on the Epidemiological Characteristics and Antithrombotic Therapy Status of Patients with Non – Valvular Atrial Fibrillation in Fuling Area of Chongqing
..... CHEN Xia, SHI Chao, JI Jinjin, MU Yao, CHEN Huan, SHU Dezhong(96)



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	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