

半月刊

1992 年 1 月创刊

2022 年 2 月 第 31 卷 第 4 期

(总第 551 期)

2022 年 2 月 20 日出版

中国药业

ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

● 药业专论

盘点 2021:我国生物医药创新发展之浅见 刘昌孝(1)

● 药事管理

真实世界研究对临床药师的挑战与机遇 陈晨,刘怿晗,吴斌,金子妍,徐珽(8)

新疆执业药师继续教育现状调查 董红妮,蒲文,滕亮(11)

临床药师药品不良反应监测参与度研究及工作模式探讨 赵雪丽,郑咏池,唐仕炜,王洪贵,孙嘉婧(15)

医疗机构中药饮片质量责任师工作模式探讨 季思维,秦谊,刘春宇,王军,许彤,冯传有(18)

贫困县县级医院临床药师同质化培训模式探索及效果评价 雷海波,郭小兰,李伟,刘湘(21)

虚拟仿真技术用于中药调剂学实训教学实践 冯婧,闫志慧,王玉霞,张雪,胡娟娟(25)

模块化递进式药学技能训练与评价平台建设探讨 信建豪,侯巧芝,吴建丽,王丽(29)

居家药学服务质量提升思考与建议 刘慧,夏伟,陈文杰,曹林森,李欣,贺娟(32)

● 药学论著

枸橼苷对人骨肉瘤 U-2 OS 细胞的抑制作用 唐捷,张丕军,林维,李超艺(37)

柴胡-白芍药对治疗 2 型糖尿病的网络药理学作用机制研究 黄锦珠,殷贝,毕艺鸣,范冠杰(43)

清利塞鼻洗液处方药材中有效成分提取工艺研究 蓝伟,胡玉良,曾聪彦(49)

光学相干断层成像设备性能检测用模拟眼的设计与验证 赵荻,郭艳婧,胡毅成,侯立新(53)

葛根素对缺血性脑卒中模型大鼠神经损伤的防护作用 于心洋,张贺齐,刘云平,尚淑玲(58)

花椒根总生物碱抗肿瘤活性研究 龙奕霄,蒙永,蒋霞(63)

● 检验检测

瑶药大猪屎豆质量标准研究 唐炳兰,莫单丹,龚小妹,欧春丽,王硕,周小雷,赵以民(67)

柴葶宁肺颗粒质量标准研究 杨仁耐,吴红燕,李慧媛,王举涛,刘劲松(70)

复方营养混悬剂中铁元素的测定及其不确定度评定 李潇,周长明,丁锐,邵天舒,王静(75)

高效液相色谱法同时测定功劳木药材中 9 种化学成分含量 黄洋(79)

高效液相色谱法同时测定沈阳红药胶囊中 4 种有效成分含量 王婧(83)

市售葛根配方颗粒与标准汤剂质量比较 盛晓静,廖立英,张晓云(86)

● 临床研究

餐前大剂量谷赖胰岛素治疗老年 2 型糖尿病疗效影响因素分析

..... 田丰秋,谢万均,任丽媛,于鑫森,王丹,刘丹阳,徐子奇,杨兰,杨雪梅,苗冬梅,孙红瑛(90)

神曲消食口服液联合穴位贴敷治疗小儿功能性消化不良临床研究

..... 刘宏伟,王娇娇,王 亮,胡润伟,王 莹(94)

不同放疗方案联合紫杉醇脂质体和顺铂治疗局部晚期宫颈癌临床比较 尹树旺,彭丽艳,韩秀青,石 冲(97)

羟考酮复合布托啡诺静脉自控镇痛对剖宫产术后宫缩痛的影响 高 莹,周进军,张 军(101)

血必净联合乌司他丁治疗脓毒症急性肺损伤临床研究

..... 龚光远,欧 红,张文军,周 静,杨 敏,李天泉,徐智会(105)

● **药品评价**

二甲双胍与胰腺癌患者总生存期获益相关性 Meta 分析 王海明,马 良,果茵茵,党翔吉,宋 霞(108)

奥氮平和齐拉西酮不良事件信号挖掘与分析 张华琦,张 妮,王敏建(114)

● **药学监护**

亮丙瑞林药品不良反应文献分析 谈 玲,刘 怡,沈 素(118)

某院 189 例肿瘤患者药品不良反应及相关性分析 马 莹,刘 浩,吴玉婷(124)

● **综 述**

妊娠期及产后抑郁症药物治疗进展 沈 俊,王 甲,梅洪梁,王 羽(128)



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。

期刊基本参数:CN 50-1054/R * 1992 * s * A4 * 128 * zh * P * ¥10.00 * * 31 * 2022-04

本期责任编辑 王海英 李宇杰

责任校对 张 静

英文编辑 张小林

China Pharmaceuticals

February 20, 2022 Volume 31 – Number 4

Contents

◆ Monograph on Pharmaceutical Industry

Review 2021: A Preliminary Understanding of the Innovation and Development of China's Biomedicine

..... LIU Changxiao(1)

◆ Pharmaceutical Administration

Challenges and Opportunities of Real – World Research for Clinical Pharmacists

..... CHEN Chen, LIU Yihan, WU Bin, JIN Ziyang, XU Ting(8)

Current Situation of Continuing Education of Licensed Pharmacists in Xinjiang

..... DONG Hongni, PU Wen, TENG Liang(11)

Clinical Pharmacists' Participation in Adverse Drug Reaction Monitoring and Their Working Mode

..... ZHAO Xueli, ZHENG Yongchi, TANG Shiwei, WANG Honggui, SUN Jiajing(15)

Working Mode of Quality Director of Chinese Herbal Pieces in Medical Institutions

..... JI Siwei, Qin Yi, LIU Chunyu, WANG Jun, XU Tong, FENG Chuanyou(18)

Exploration and Effect Evaluation of Homogeneous Training Mode for Clinical Pharmacists in

Poverty – Stricken County Hospitals LEI Haibo, GUO Xiaolan, LI Wei, LIU Xiang(21)

Application Practice of Virtual Simulation Technology in Practical Training of Traditional Chinese

Medicine Dispensing Pharmacy FENG Jing, YAN Zhihui, WANG Yuxia, ZHANG Xue, HU Juanjuan(25)

Construction of Modular and Progressive Pharmaceutical Skill Training and Evaluation Platform

..... XIN Jianhao, HOU Qiaozhi, WU Jianli, WANG Li(29)

Quality Improvement of Home – Based Pharmaceutical Care

..... LIU Hui, XIA Wei, CHEN Wenjie, CAO Linsen, LI Xin, HE Juan(32)

◆ Pharmacy Articles

Inhibitory Effect of Poncirin on Human Osteosarcoma U – 2 OS Cells

..... TANG Jie, ZHANG Pijun, LIN Wei, LI Chaoyi(37)

Mechanism of Bupleuri Radix – Paeoniae Alba Radix Drug Pairs in the Treatment of Type 2 Diabetes

Mellitus Based on Network Pharmacology HUANG Jinzhu, YIN Bei, BI Yiming, FAN Guanjie(43)

Extraction Process of Active Ingredients from Medicinal Materials in Qinglisaibi Nasal Lotion

..... LAN Wei, HU Yuliang, ZENG Congyan(49)

Design and Verification of Simulated Eye for Performance Detection of Optical Coherence Tomography

Equipment ZHAO Di, GUO Yanjing, HU Yicheng, HOU Lixin(53)

Protective Effect of Puerarin on Nerve Injury in Rats with Ischemic Stroke

..... YU Xinyang, ZHANG Heqi, LIU Yunping, SHANG Shuling(58)

Anti – Tumor Activity of Total Alkaloids from Zanthoxyli Radix

..... LONG Yixiao, MENG Yong, JIANG Xia(63)

◆ Inspection and Test

Quality Standard of Yao Medicine *Crotalaria Assamica*

..... TANG Binglan, MO Dandan, GONG Xiaomei, OU Chunli, WANG Shuo, ZHOU Xiaolei, ZHAO Yimin(67)

Quality Standard of Chaiting Ningfei Granules

..... YANG Rennai, WU Hongyan, LI Huiyuan, WANG Jutao, LIU Jinsong(70)

Determination of Iron Element in Compound Nutrition Suspension and the Uncertainty Evaluation for

the Method LI Xiao, ZHOU Changming, DING Rui, SHAO Tianshu, WANG Jing(75)

Simultaneous Determination of Nine Compounds in Mahoniae Caulis by HPLC HUANG Yang(79)

Simultaneous Determination of Four Active Ingredients in Shenyanghongyao Capsules by HPLC

..... WANG Jing(83)

Quality Comparison Between Commercial Fomula Granules and Standard Decoction of Puerariae

Lobatae Radix SHENG Xiaojing, LIAO Liying, ZHANG Xiaoyun(86)

◆Clinical Research

Influencing Factors of the Efficacy of High – Dose Insulin Glutamine Before Meal in the Treatment of Elderly Patients with Type 2 Diabetes Mellitus

..... TIAN Fengqiu,XIE Wanjun,REN Liyuan,YU Xinmiao,WANG Dan,LIU Danyang,
XU Ziqi,YANG Lan,YANG Xuemei,MIAO Dongmei,SUN Hongying(90)

Clinical Study of Shenqu Xiaoshi Oral Liquid Combined with Acupoint Application in the Treatment of Children with Functional Dyspepsia ...

LIU Hongwei,WANG Jiaojiao,WANG Liang,HU Runwei,WANG Ying(94)

Comparison of Different Radiotherapy Regimens Combined with Paclitaxel Liposome and Cisplatin in the Treatment of Locally Advanced Cervical Cancer

YIN Shuwang,PENG Liyan,HAN Xiuqing,SHI Chong(97)

Effect of PCIA of Oxycodone Combined with Butorphanol on Uterine Contraction Pain of Parturients After Cesarean Section

GAO Ying,ZHOU Jinjun,ZHANG Jun(101)

Clinical Study of Xuebijing Combined with Ulinastatin in the Treatment of Sepsis Patients with Acute Lung Injury

GONG Guangyuan,OU Hong,ZHANG Wenjun,ZHOU Jing,YANG Min,LI Tianquan,XU Zhihui(105)

◆Drug Evaluation

Correlation Between Metformin and Overall Survival Benefit in Patients with Pancreatic Cancer:

A Meta – Analysis WANG Haiming,MA Liang,GUO Yinyin,DANG Xiangji,SONG Xia(108)

Signal Mining and Analysis of Adverse Drug Events of Olanzapine and Ziprasidone

..... ZHANG Huaqi,ZHANG Ni,WANG Minjian(114)

◆Pharmaceutical Care

Adverse Drug Reactions Caused by Leuporelin:A Literature Analysis

TAN Ling,LIU Yi,SHEN Su(118)

Adverse Drug Reaction of 189 Patients with Tumor in a Hospital and Its Correlation Analysis

..... MA Ying,LIU Hao,WU Yuting(124)

◆Review

Research Progress on Drug Treatment of Pregnancy and Postpartum Depression

..... SHEN Jun,WANG Jia,MEI Hongliang,WANG Yu(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,Jinzu St.,Jinzu Industrial Park,Ba'nan 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 Editors Wang Haiying Li Yujie

Executive Proofreader Zhang Jing

English Editor Zhang Xiaolin