

半月刊
1992年1月创刊
2023年12月 第32卷 第24期
(总第595期)
·卷终·
2023年12月20日出版

中国药业

ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

特别策划

·执业药师队伍建设专题·

- 新时代加强我国执业药师人才队伍建设路径探索 李朝辉,周 玥,张婷婷(1)
我国特药药房执业药师作用发挥路径探索 李朝辉,周 玥,张婷婷(9)
药品零售企业执业药师药学服务规范制订的思考 李朝辉,周 玥,张婷婷(9)
执业药师职业资格考试《药事管理与法规》成绩影响因素分析 许 龙,叶 桦,杨建伟,温瑞睿,朱文静(14)

药业专论

- 《国家医保目录》待谈判中成药药物经济学研究系统评价 郑雅婷,谭重庆,王 勇(19)

药事管理

- 我国化妆品安全高风险信息“直通车”检查制度探讨与实践 陈 晰,吕笑梅,田少雷(25)
全球抗菌药物治疗药物监测文献可视化分析 岳小飞,李聪颖,杜广清(30)
某院静脉用药调配中心成品输液标签警示标识应用效果评价 彭 昱,严大鹏,吴诗颖,叶岩荣,陈继湙,洪德河(36)
不同国家/地区药学教育模式差异分析与发展借鉴 段莹莹,黄鸿亮,冯森玲(39)
某医共体内区域智能审方系统应用效果评价 胡晓蕾,周 均,刘 佳,杨昕伟,刘梦英,毛文琴,唐 玲(44)
某院静脉用药调配中心医院感染风险分析及防控策略实施 刘志华,王麒麟,蒋志叶,高卫锋,陆婷婷(47)
格列美脲集采中选仿制药与原研药临床效果的真实世界研究
..... 罗 巧,王之舟,刘文娜,崔晓辉,董宪喆,张 兰(50)

药理学论著

- 蒺藜生药粉长期毒性实验研究
..... 尤力都孜·买买提,阿不都吉力力·阿布都艾尼,艾西木江·热甫卡提,窦 勤,李治建(55)
补肾通络方治疗膝骨性关节炎机制网络药理学研究 宋玉成,欧国谊,杨永强,姚庆蓝,区 泽,纪科伟(61)
豚鼠被动皮肤过敏试验条件研究 张 娟,董建欣,李水仙,赵 岩,祝清芬(65)
莱菔硫烷干预晚期糖基化终末产物诱导血管平滑肌细胞转分化研究
..... 李进冬,徐 震,张 楠,高 一,瞿建江,季晓慧(68)
颅脑损伤对医院获得性肺炎患者利奈唑胺血药谷浓度的影响
..... 翟美娟,唐 莲,徐金慧,吴建东,邓 朋,周 琴,冯宗太,马 冕,赵宏明(72)
质子泵抑制剂对免疫检查点抑制剂疗效的影响 王宇杰,王 纯,严 俊,马维娜(77)

检验检测

- 一测多评法检测头孢克洛胶囊中3种已知杂质 路愫楠,张素平,王 柳,张轶华(81)
柠檬酸三甲酯碱降解途径及其杂质结构初步解析 耿 燕,李香荷,王月英,王永欣,张 冬(86)
酸枣仁合剂质量综合评价 王瑞芳,牟胜群,张秋红(90)
银翘解毒片高效液相色谱指纹图谱研究 吴 琦,贾银芝,刘益庆,陈 红(98)
高效液相色谱法同时测定艾绒中4种成分 任荣军,湛建峰,陈虹球,卢大良,江宏池(103)
照山白浸膏片的快速多信息梯度薄层鉴别 刘 勇,安丽娜,安 静,王立伟,石岩硕,申玉龙,董占军(106)
宣肺达郁颗粒质量标准研究 祁庆瑞,翟秉涛,田 欢,岳宝森,赵 锋(109)

● 临床研究

自拟温阳利水汤佐治脾肾阳虚型肝硬化失代偿期临床观察

..... 刘俊玲,王兵亮,李 锐,叶迎宾,王国英,张运豪,张 娟,刘俊岭,周红霞(113)

丙氨酰-谷氨酰胺联合神经节苷脂治疗重症脑卒中临床观察..... 谈 剑,张焱杰,李晶晶,敖 丹(117)

和营止痛汤辅助用于经椎旁肌间隙入路椎弓根螺钉内固定术后康复治疗临床评价

..... 邱春华,周晓祥,夏志华(121)

氢吗啡酮与地佐辛用于严重胸部创伤镇痛有效性、安全性及经济性比较..... 熊 盟,唐中建,靳 鑫,舒艾娅(124)

外周血 Tim3, IL-32, PD-1 / PD-L1 用于沙利度胺联合达那唑治疗骨髓增生异常综合征疗效评估价值分析

..... 刘 焰,李国妍,陈 超(128)

● 药品评价

盐酸胍法辛缓释片治疗儿童注意缺陷多动障碍快速卫生技术评估

..... 栾曾惠,潘 茗,曲素欣,孙书娟,闫美兴(133)

基于 Markov 模型的纳武利尤单抗治疗晚期 / 复发性食管鳞状细胞癌药物经济学研究

..... 黎 风,何 梅,李茂玉(138)

山东省中成药致泌尿系统不良反应 / 不良事件报告分析和风险信号挖掘..... 杜世芳,王冠杰,曾建平(142)

● 药学监护

特瑞普利单抗致肝损伤伴甲状腺功能减退的处理及监护

..... 张冠英,黄立峰,徐银丽,陶 霞,王志鹏,汪路遥,伊 佳(145)

● 综 述

孤独症谱系障碍新药研发进展..... 曾凡新,王柯么(149)



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 陈忠子
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 张晓坚 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.zhongguoyaoye023.com>

声 明

1. 本刊刊登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 * 154 * zh * P * ¥ 10.00 * * 35 * 2023-24

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

December 20, 2023 Volume 32 – Number 24

Contents

◆ Special Report

• Construction of Licensed Pharmacist Team •

- Path Exploration of Strengthening the Construction of China's Licensed Pharmacist Talent Team
in New Era LI Zhaohui, ZHOU Yue, ZHANG Tingting(1)
- Path Exploration on How Licensed Pharmacists Playing the Role in Specialty Pharmacies in China
..... LI Zhaohui, ZHOU Yue, ZHANG Tingting(5)
- Thoughts on the Formulation of Pharmaceutical Care Standards for Licensed Pharmacists in Drug
Retail Enterprises LI Zhaohui, ZHOU Yue, ZHANG Tingting(9)
- Factors Analysis About Score of *Pharmacy Administration and Regulations* in the Professional
Qualification Examination for Licensed Pharmacists
..... XU Long, YE Hua, YANG Jianwei, WEN Ruirui, ZHU Wenjing(14)

◆ Monograph on Pharmaceutical Industry

- Pharmacoeconomics Study of Chinese Patent Medicines to be Negotiated for *National Reimbursement
Drug List*: A Systematic Review ZHENG Yating, TAN Chongqing, WANG Yong(19)

◆ Pharmaceutical Administration

- Exploration and Practice of the Express Route Inspection System for High – Risk Information on
Cosmetic Safety in China CHEN Xi, LYU Xiaomei, TIAN Shaolei(25)
- Visualization Analysis of Therapeutic Drug Monitoring of Global Antimicrobial Agents
..... YUE Xiaofei, LI Congying, DU Guangqing(30)
- Application Effect of Warning Labels for PIVAS Finished Infusion Products in a Hospital
..... PENG Gang, YAN Dapeng, WU Shiyong, YE Yanrong, CHEN Jiyun, HONG Dehe(36)
- Difference Analysis and Development Lessons of Pharmaceutical Education Modes in Different
Countries / Regions DUAN Yingying, HUANG Hongliang, FENG Senling(39)
- Application Effect of Regional Intelligent Prescription – Review System in a Medical Community
..... HU Xiaolei, ZHOU Jun, LIU Jia, YANG Xinwei, LIU Mengying, MAO Wenqin, TANG Ling(44)
- Analysis of Risk Factors and Implementation of Prevention and Control Strategies for Nosocomial
Infection of Pharmacy Intravenous Admixture Service in a Hospital
..... LIU Zhihua, WANG Qilin, JIANG Zhiye, GAO Weifeng, LU Tingting(47)
- Clinical Effects of Bid – Winning Generic Glimepiride in the Centralized Volume – Based Procurement
and Original – Patented Drugs: A Real – World Study
..... LUO Qiao, WANG Zhizhou, LIU Wenna, CUI Xiaohui, DONG Xianzhe, ZHANG Lan(50)

◆ Pharmacy Articles

- Study on Long – Term Toxicity Test of Tribuli Fructus Crude Powder
..... Youliduzi MAIMAITI, Abudujilili ABUDUAINI, Aiximujiang REFUKATI, DOU Qin, LI Zhijian(55)
- Mechanism of Bushen Tongluo Recipe in the Treatment of Knee Osteoarthritis Based on Network
Pharmacology SONG Yucheng, OU Guoyi, YANG Yongqiang, YAO Qinglan, OU Ze, JI Kewei(61)
- Study on the Conditions of Passive Cutaneous Anaphylaxis Test in Guinea Pigs
..... ZHANG Juan, DONG Jianxin, LI Shuixian, ZHAO Yan, ZHU Qingfen(65)
- Intervention of Sulforaphane on Advanced Glycation End Products – Induced Transdifferentiation of
Vascular Smooth Muscle Cells LI Jindong, XU Zhen, ZHANG Nan, GAO Yi, QU Jianjiang, JI Xiaohui(68)
- Effect of Craniocerebral Injury on the Linezolid Trough Concentration in Patients with Hospital
Acquired Pneumonia ZHAI Meijuan, TANG Lian, XU Jinhui, WU Jiandong, DENG Peng,
ZHOU Qin, FENG Zongtai, MA Mian, ZHAO Hongming(72)
- Effect of Proton Pump Inhibitors on the Efficacy of Immune Checkpoint Inhibitors
..... WANG Yujie, WANG Chun, YAN Jun, MA Weina(77)

◆ Inspection and Test

- Detection of Three Known Impurities in Cefaclor Capsules by QAMS
..... LU Qienan, ZHANG Suping, WANG Liu, ZHANG Yihua(81)
- Alkaline Degradation Pathway of Trimethyl Citrate and Preliminary Analysis of Its Impurity Structure
..... GENG Yan, LI Xianghe, WANG Yueying, WANG Yongxin, ZHANG Dong(86)
- Comprehensive Quality Evaluation of Suanzaoren Mixture
..... WANG Ruifang, MU Shengqun, ZHANG Qihong(90)
- HPLC Fingerprint of Yinqiao Jiedu Tablets WU Qi, JIA Yinshi, LIU Yiqing, CHEN Hong(98)
- Simultaneous Determination of Four Components in Moxa Floss by HPLC
..... REN Rongjun, ZHAN Jianfeng, CHEN Hongqiu, LU Daliang, JIANG Hongchi(103)
- Identification of Zhaoshanbai Extract Tablets by Rapid and Multi – Information TLC Method with
Gradient Developer
..... LIU Yong, AN Lina, AN Jing, WANG Liwei, SHI Yanshuo, SHEN Yulong, DONG Zhanjun(106)

Study on Quality Standard of Xuanfei Dayu Granules

..... QI Qingrui, ZHAI Bingtao, TIAN Huan, YUE Baosen, ZHAO Feng(109)

◆ **Clinical Research**

Clinical Observation of Self-Prepared Wenyang Lishui Decoction in the Adjuvant Treatment of Decompensated Cirrhosis with the Spleen-Kidney Yang Deficiency Syndrome

..... LIU Junling, WANG Bingliang, LI Rui, YE Yingbin, WANG Guoying, ZHANG Yunhao, ZHANG Juan, LIU Junling, ZHOU Hongxia(113)

Clinical Observation of Alanyl-Glutamine Combined with Ganglioside in the Treatment of Severe Cerebral Apoplexy

..... TAN Jian, ZHANG Zhaojie, LI Jingjing, AO Dan(117)

Clinical Evaluation of Heying Zhitong Decoction as an Adjunct for Postoperative Rehabilitation Treatment of Pedicle Screw Fixation via Paraspinal Intermuscular Approach

..... QIU Chunhua, ZHOU Xiaoxiang, XIA Zhihua(121)

Comparison of Effectiveness, Safety and Economy of Hydromorphone and Dezocine for Analgesia in Patients with Severe Thoracic Trauma

..... XIONG Meng, TANG Zhongjian, JIN Xin, SHU Aiya(124)

Evaluation Value of Peripheral Blood Tim3, IL-32, PD-1/PD-L1 in Efficacy Analysis of Thalidomide Combined with Danazol in the Treatment of Myelodysplastic Syndrome

..... LIU Yan, LI Guoyan, CHEN Chao(128)

◆ **Drug Evaluation**

Rapid Health Technology Assessment of Guanfacine Hydrochloride Extended Release Tablets in the Treatment of Attention Deficit Hyperactivity Disorder in Children

..... LUAN Zenghui, PAN Ming, QU Suxin, SUN Shujuan, YAN Meixing(133)

Pharmacoeconomic Study of Nivolumab in the Treatment of Advanced/Recurrent Esophageal Squamous Cell Carcinoma Based on Markov Model

..... LI Feng, HE Mei, LI Maoyu(138)

Report Analysis and Risk Signal Mining of Adverse Reactions/Adverse Events of Urinary System Induced by Chinese Patent Medicines in Shandong

..... DU Shifang, WANG Guanjie, ZENG Jianping(142)

◆ **Pharmaceutical Care**

Pharmaceutical Care of Hepatic Injury Complicated with Hypothyroidism Induced by Toripalimab

..... ZHANG Guanying, HUANG Lifeng, XU Yinli, TAO Xia, WANG Zhipeng, WANG Luyao, YI Jia(145)

◆ **Review**

Research and Development Progress of New Drugs for Autism Spectrum Disorder

..... ZENG Fanxin, WANG Kesi(149)



ZHONGGUO YAOYE

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'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 Chen Zhongyu

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 Li Yujie

Executive Proofreader Zhang Jing

English Editor Zhang Xiaolin