

半月刊
1992年1月创刊
2026年5月 第35卷 第9期
(总第652期)
2026年5月5日出版

中国药业
ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

药业专论

中美药品监管科学人才培养现状比较与启示 元延芳,张颖,郑杨,房军(1)

药事管理

药学科普受众群体需求现状调查与分析 杨晗,王瑜,何璐璐,国梦然,杨薇,占美(6)

Ⅱ期及Ⅲ期临床试验生物样本风险管理效果分析 董晶,隋尚汝,朱娜,徐霞,王雅琼(10)

青海省药品生产企业质量管理体系运行现状与监管对策研究

..... 韩达斌,汪永明,问静,王永晶,韩少萍,李盈盈,程小平,祁彦凯,刘学良(14)

贵州省药品现代物流企业经营许可证核发现场检查缺陷分析 刘姗,张丹,林泉,冷阳,谢焱焱(20)

基于全面质量管理的网络销售药品线上抽检常见问题与对策 余燕,张昕,利惠桃,曾晓雯,何德金(24)

驻科药师干预儿科门急诊不合理处方效果分析 黄紫荣,蔡伟明,陈驹,马晓鹏(27)

药学论著

抗炎抗氧化结肠靶向纳米水凝胶的表征与靶向性研究

..... 杨洋,游翠玉,邓祥,张素雅,王喜丹,邓文婷,张波(32)

PD-1 / PD-L1抑制剂联合化学治疗方案治疗pMMR / MSS型胃癌患者预后差异的蛋白质组学研究

..... 金蕊,郭甲民,丁彩霞,王晓敏,赵培西(40)

平行人工膜渗透分析法预测恩格列净片生物等效性 夏颖,王晶萍,李耕,严菲(46)

中刻痕酒石酸唑吡坦片分割后质量及生物等效性研究 曹泉诚,王文革(50)

青香温敏凝胶制备工艺研究 冯剑威,汪亚飞,彭伟文,王珠强(56)

含青蒿素纳米脂质体与紫草辅药的“药辅合一”复方紫云膏制备研究

..... 胡萍萍,夏伟,陈婷,李颜鹏,贺娟(61)

金莲花中苕草苷提取工艺优化 杨秀峰,洪瑜,马天成,马玉坤,刘姝鑫,孙宇(67)

检验检测

超高效液相色谱-四极杆飞行时间串联质谱法分析三黄洗剂成分 邹效,杨婷婷,耿光庆(73)

二极管阵列检测-高效液相色谱法同时测定小儿肺热咳喘颗粒中5种成分含量 刘会艳(81)

化妆品中10-羟基癸酸含量测定的不确定度评定 董亚蕾,李芬英,拥宗卓玛,杨欢,米玛,王海燕(85)

超高效液相色谱串联质谱法测定吠塞米原料药中N-亚硝基吠塞米含量 汪均明,伍明琴,刘峰(90)

不同产地天竺黄标准汤剂质量评价

..... 胡辉,万丽娟,张帆,胡力飞,赵玉婷,袁咏红,丁苗,梅菊,龙林,杨强(93)

山东省市售胃炎宁颗粒质量评价 崔洋洋,张莉,李媛,杨青军,李俊卿,李占芳,印成霞(99)

临床研究

- 瑞马唑仑与咪达唑仑全身麻醉诱导对胸腔镜肺叶切除术患者疼痛介质和神经损害指标的影响比较
..... 尧小华, 陈 银, 张级培, 宋晏清, 陈 浩(104)
- 布比卡因脂质体与罗哌卡因对下肢骨关节手术患者术后镇痛的效果比较
..... 姚程亮, 孟思敏, 郑文壮, 解成兰, 王 军(108)
- 依达拉奉右莰醇联合重复经颅磁刺激治疗脑梗死后血管性痴呆临床研究 王 倩, 彭 晓, 宋彦丽(113)
- 替雷利珠单抗联合阿帕替尼治疗晚期非小细胞肺癌临床研究
..... 刘 薇, 刘洪飞, 姬晓亮, 崔红伟, 郑明明, 刘方硕, 刘志静(117)
- 益气养阴祛邪汤联合吉西他滨化学治疗方案治疗三阴性乳腺癌临床研究
..... 刘 欣, 谢昱伟, 李 萌, 胡志伟, 左晓娜, 王 佳(121)

药品评价

- 胰高血糖素样肽 - 1 受体激动剂用于 2 型糖尿病的目标范围内时间获益 Meta 分析
..... 王绎栋, 周扬帆, 张 玉, 周广举(126)

药学监护

- 1 例慢性肾脏病 5 期透析患者利奈唑胺诱发 5 - 羟色胺综合征风险分析
..... 李 蓉, 宋 杲, 张采琼, 兰晓玲, 白中平(132)

综 述

- 3 类新型降血糖药物相关严重皮肤不良反应 张 萍, 梅 玫, 李 蓉(136)
- 维奈克拉治疗恶性血液病研究进展 李红宁, 杜 元, 朱慧敏, 武智强, 成志勇(142)



中国标准连续出版物号 ISSN 1006 - 4931
CN 50 - 1054 / R

主管单位 中华人民共和国教育部
主办单位 西南大学
出版单位 《中国药业》编辑部
重庆市北碚区天生路 2 号 西南大学出版社, 400715
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 上海浦东发展银行股份有限公司重庆北碚支行
账 号 83230078801900001792

顾问 樊代明
主任委员 葛信勇
副主任委员 王 岳 文爱东 左笑丛 史录文 吕迁洲
张 安 张 蓉 张发钧 张伶俐 陆 涛
陈万生 陈地龙 邵 蓉 林能明 赵荣生
胡 欣 高 申 曹 力 蒋学华 缪丽燕

总 编 辑 马 劲
主 编 刘 斌
执行主编 郭 澄 夏培元
副 主 编 王永庆 王婧雯 卞晓岚 刘 耀 刘茂柏
李晓宇 岑远明 邱 峰 何金汗 沈爱宗
张 陈 张 健 枉 前 罗 雷 金鹏飞
周本杰 赵志刚 胡幼红 贾运涛 钱 妍
黄 欣 黄景彬 赖伟华

(副主任委员、副主编署名以姓氏笔画为序)

电 话 023 - 86592565
在线投稿 <http://www.zhongguoyaoye023.com>

声 明

1. 本刊刊发文章不代表本刊观点, 版权归《中国药业》杂志所有。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》2 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 个月内, 本刊将根据其稿酬金额自动转赠《中国药业》杂志。

China Pharmaceuticals

May 5, 2026 Volume 35 – Number 9

Contents

◆ *Monograph on Pharmaceutical Industry*

Comparison and Enlightenment of the Current Status of Talent Cultivation in Drug Regulatory Science Between China and the United States of America YUAN Yanfang, ZHANG Ying, ZHENG Yang, FANG Jun(1)

◆ *Pharmaceutical Administration*

Investigation and Analysis on the Audience Needs for Pharmaceutical Science Popularization YANG Han, WANG Yu, HE Lulu, GUO Mengran, YANG Wei, ZHAN Mei(6)

Effectiveness of Risk Management of Biological Samples in Phase II and Phase III Clinical Trials DONG Jing, SUI Shangru, ZHU Na, XU Xia, WANG Yaqiong(10)

Operation Status and Regulatory Countermeasures of Quality Management Systems in Pharmaceutical Manufacturers in Qinghai Province HAN Dabin, WANG Yongming, WEN Jing, WANG Yongjing, HAN Shaoping, LI Yingying, CHENG Xiaoping, QI Yankai, LIU Xueliang(14)

Defects Identified in On – Site Inspections for the Issuance of Drug Business Licenses to Modern Pharmaceutical Logistics Enterprises in Guizhou Province LIU Shan, ZHANG Dan, LIN Xiao, LENG Yang, XIE Yaoyao(20)

Common Issues and Countermeasures of Online – Sold Drugs in Online Sampling Inspection Based on Total Quality Management YU Yan, ZHANG Xin, LI Huitao, ZENG Xiaowen, HE Dejin(24)

Effect of Resident Pharmacists' Intervention on Irrational Prescriptions in the Pediatric Outpatient and Emergency Department HUANG Zirong, CAI Weiming, CHEN Ju, MA Xiaoli(27)

◆ *Pharmacy Articles*

Characterization and Targeting of Anti – Inflammatory and Anti – Oxidant Colon – Targeting Nanohydrogels YANG Yang, YOU Cuiyu, DENG Xiang, ZHANG Suyu, WANG Xidan, DENG Wenting, ZHANG Bo(32)

Proteomic Study on the Prognostic Differences in pMMR / MSS Gastric Cancer Patients Treated with PD – 1 / PD – L1 Inhibitors Combined with Chemotherapy JIN Rui, GUO Jiamin, DING Caixia, WANG Xiaomin, ZHAO Peixi(40)

Prediction of Bioequivalence for Empagliflozin Tablets by PAMPA XIA Ying, WANG Jingping, LI Geng, YAN Fei(46)

Quality and Bioequivalence of Midline Scored Zolpidem Tartrate Tablets After Splitting CAO Quancheng, WANG Wenping(50)

Optimization of Preparation Process of Qingxiang Thermosensitive Gel FENG Jianwei, WANG Yafei, PENG Weiwen, WANG Zhuqiang(56)

Preparation of Compound Ziyun Ointment Containing Artemisinin Nanoliposomes and Arnebiae Radix Based on the Concept of "Drug – Excipient Integration" HU Pingping, XIA Wei, CHEN Ting, LI Yanpeng, HE Juan(61)

Optimization of Extraction Process of Orientin from *Trollius chinensis* YANG Xiufeng, HONG Yu, MA Tiancheng, MA Yukun, LIU Shuxin, SUN Yu(67)

◆ *Inspection and Test*

Component Analysis of Sanhuang Lotion by UPLC – Q – TOF – MS / MS ZOU Xiao, YANG Tingting, GENG Guangqing(73)

Simultaneous Determination of Five Components in Xiao'er Feire Kechuan Granules by DAD – HPLC LIU Huiyan(81)

Uncertainty Evaluation for the Determination of 10 – Hydroxydecanoic Acid in Cosmetics DONG Yalei, LI Fenyong, Yongzongzhuoma, YANG Huan, Mima, WANG Haiyan(85)

Determination of N – Nitrosouroseamide in Furosemide by UPLC – MS / MS WANG Junming, WU Mingqin, LIU Feng(90)

Quality Evaluation of Standard Decoction of Bambusae Concretio Silicea from Different Habitats HU Hui, WAN Lijuan, ZHANG Fan, HU Lifei, ZHAO Yuting, YUAN Yonghong, DING Miao, MEI Ju, LONG Lin, YANG Qiang(93)

Quality Evaluation of Weiyanning Granules Sold in the Market in Shandong Province CUI Yangyang, ZHANG Li, LI Yuan, YANG Qingjun, LI Junqing, LI Zhanfang, YIN Chengxia(99)

◆ **Clinical Research**

- Comparison of the Effects of Remimazolam Versus Midazolam for General Anesthesia Induction on Pain Mediators and Neurological Injury Indicators in Patients Undergoing Video – Assisted Thoracoscopic Lobectomy** YAO Xiaohua, CHEN Yin, ZHANG Jipei, SONG Yanqing, CHEN Hao(104)
- Comparison of the Effects of Bupivacaine Liposome Versus Ropivacaine on Postoperative Pain in Patients Undergoing Lower Limb Joint Surgery** YAO Chengliang, MENG Simin, ZHENG Wenzhuang, XIE Chenglan, WANG Jun(108)
- Clinical Study of Edaravone and Dexbomeol Concentrated Solution for Injection Combined with Repetitive Transcranial Magnetic Stimulation in the Treatment of Vascular Dementia After Cerebral Infarction** WANG Qian, PENG Xiao, SONG Yanli(113)
- Clinical Study of Tislelizumab Combined with Apatinib in the Treatment of Advanced Non – Small Cell Lung Cancer** LIU Wei, LIU Hongfei, JI Xiaoliang, CUI Hongwei, ZHENG Mingming, LIU Fangshuo, LIU Zhijing(117)
- Clinical Study of Yiqi Yangyin Quxie Decoction Combined with Gemcitabine – Based Chemotherapy Regimen in the Treatment of Triple – Negative Breast Cancer** LIU Xin, XIE Yuwei, LI Meng, HU Zhiwei, ZUO Xiaona, WANG Jia(121)

◆ **Drug Evaluation**

- Benefits of Glucagon – Like Peptide – 1 Receptor Agonists on Time in Range in Patients with Type 2 Diabetes Mellitus:A Meta – Analysis** WANG Yidong, ZHOU Yangfan, ZHANG Yu, ZHOU Guangju(126)

◆ **Pharmaceutical Care**

- Risk Analysis of Linezolid – Induced 5 – Hydroxytryptamine Syndrome in a Dialysis Patient with Stage 5 Chronic Kidney Disease:A Case Report** LI Rong, SONG Gao, ZHANG Caiqiong, LAN Xiaoling, BAI Zhongping(132)

◆ **Review**

- Severe Cutaneous Adverse Reactions Associated with Three Kinds of Novel Hypoglycemic Agents** ZHANG Ping, MEI Mei, LI Rong(136)
- Research Progress on Venetoclax in the Treatment of Hematologic Malignancies** LI Hongning, DU Yuan, ZHU Huimin, WU Zhiqiang, CHENG Zhiyong(142)



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

Directed by Ministry of Education of the People's Republic of China

Sponsored by Southwest University

Edited & Published by Editorial Department of *China Pharmaceuticals*
Southwest University Publishing Group, No.2 Tiansheng Road, Beibei Dist., Chongqing 400715, China

Printed by Chongqing Guofeng Printing Co., Ltd.
No.36, Jinzhu St., Jinzhu Industrial Park, Banan Dist., Chongqing 401320, China

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

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

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

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

Bank of Deposit
Shanghai Pudong Development Bank Co., Ltd. Chongqing Beibei Sub - Branch

Account Number 83230078801900001792

Consultants Fan Daiming
Director of the Editorial Board Ge Xinyong
Deputy Directors of the Editorial Board
Wang Yue Wen Aidong Zuo Xiaocong
Shi Luwen Lyu Qianzhou Zhang An
Zhang Rong Zhang Fajun Zhang Lingli
Lu Tao Chen Wansheng Chen Dilong
Shao Rong Lin Nengming Zhao Rongsheng
Hu Xin Gao Shen Cao Li
Jiang Xuehua Miao Liyan

General Editor Ma Jin
Editor – in – Chief Liu Bin
Executive Editors – in – Chief
Guo Cheng Xia Peiyuan
Deputy Editors – in – Chief
Wang Yongqing Wang Jingwen Bian Xiaolan
Liu Yao Liu Maobai Li Xiaoyu
Cen Yuanming Qiu Feng He Jinhan
Shen Aizong Zhang Chen Zhang Jian
Wang Qian Luo Lei Jin Pengfei
Zhou Benjie Zhao Zhigang Hu Youhong
Jia Yuntao Qian Yan Huang Xin
Huang Jingbin Lai Weihua

Tel 023 – 86592565
Web <http://www.zhongguoyaoye023.com>

Executive Editor Zhang Xiaolin Wang Haiying
Executive Proofreader Wen Xin
English Editor Zhang Xiaolin