

半月刊
1992年1月创刊
2024年6月 第33卷 第12期
(总第607期)
2024年6月20日出版

中国药业
ZHONGGUO YAOYE

CHINA PHARMACEUTICALS

目次

药业专论

PD-1/PD-L1小分子抑制剂研究进展

张大明,陈美宇,徐静,杜沛龙,朱馨婷,韩冷,郭澄,杨全军(1)

药事管理

德阳市某院门诊哮喘患儿用药依从性横断面调研

赵小琳,宿怀予,高阳,蒋艳,宋晓艳(6)

医院药学绩效考核模式探索与实践

周后凤,范玉婷,王雪莹,冯滔(11)

某院PIVAS智能环境实时监控系统的建立与应用

浦静雯,耿洲,韩俊萍,张慧,潘杰(16)

药品追溯系统在中药配方颗粒产业中的应用效果

林新文,关冰圆,朱毅,张万清(21)

某三级甲等医院2020年至2022年西药门诊药房基本药物使用情况分析

曹灿,戴根苗,夏泉(24)

某医联体内奈玛特韦片/利托那韦片药学监护实践效果

邱瑶,徐嵘,赵新才,江静舟,刘翎,戴旻,姚顺,杨琦,瞿隆,张剑萍,郭澄(28)

国际药品检查合作计划对我国省级药品检查的启示

游小杰,樊卫,付文亮,牟成成,吴赛(32)

药理学

芪丹糖肾颗粒治疗糖尿病肾病机制的网络药理学研究

夏诗思,丛亿蕾,吴腾飞,杨华(36)

舒更葡糖钠异常毒性及降压物质检查方法学研究

李志坤,刘瑞,赵艳霞,李水仙,祝清芬,郭毅,吕志涛(42)

3类心血管疾病治疗药物肾脏安全性药物警戒研究

方振威,柏杨,王棋,李玉文(45)

基于超高效液相色谱-四极杆/静电场轨道阱高分辨质谱法的清热凉血方化学成分分析

刘家邑,刘静,吴豆豆,蔡锐,白彦萍(49)

脊髓性肌萎缩症患者利司扑兰治疗药物监测方法研究

吴献,黄晓会,林志燕,刘艳,蒋文高,刘昕竹,张健(58)

人类辅助生殖技术用液中铵离子含量影响因素分析

管瑞芹,赵丹妹,姜爱莉,柯林楠,王召旭(62)

检验检测

顶空进样-气相色谱法检测达托霉素中残留溶剂

李佳蕊,韩彬,张雪霞,任凤芝,徐艳梅,闫凯,王巧,高燕霞(66)

活血消痛酊挥发性成分的鉴定及含量测定

方强,郭立,熊伟,姜家书,左杰,高琴(69)

超临界流体色谱法测定吲达帕胺及其对映异构体含量

林丽琴,汪霞,杨直,高丽琼,彭彦,石云峰(75)

九味肝泰胶囊的化学成分鉴定及10种指标成分含量测定

谢雪,朱平,吕磊,凌水花,鲍蕾蕾(78)

临床研究

- 达格列净联合二甲双胍治疗初诊2型糖尿病临床观察 张丽萍,袁伟芳,代丽丽(85)
替罗非班用于急性前循环大血管闭塞机械取栓术效果及预后影响因素分析
..... 张宁,刘静,崔涛,王敏,黄箫琪,于创伟(88)
温针灸联合复方雪莲胶囊治疗强直性脊柱炎对软骨代谢和炎性反应的影响 王喆,何强,何昊(93)
瑞马唑仑联合胸椎旁神经阻滞用于肺癌胸腔镜手术临床评价
..... 张懿兰,王东亚,何谦,绍伟,李伟,范飒,乔丹(97)
伏诺拉生用于幽门螺杆菌根除治疗的临床疗效评价 孟雅洁,李仁冬,丁杰雯,闵枫,杜芸,王敏(101)

药品评价

- 基于FAERS的培唑帕尼不良事件信号挖掘 游宏勇,李卫平,王强(105)
胸腺五肽治疗带状疱疹有效性和安全性Meta分析 王雨,刘宇,杨佳丹,王红梅,宋捷(110)

药学监护

- 1例创伤弧菌感染致坏死性筋膜炎的诊疗实践并文献分析
..... 陶春,范昔庚,周琳,石敏,胡功利,田塬,王仲书(115)
某院骨科手术患者抗凝药物使用合理性分析 曾于桦,顾平,张鹏,陈平,邵英(120)
纳武利尤单抗药品不良反应文献分析 赵士清,杨双宁,郭青(124)

综述

- 胰腺外分泌功能不全诊断和治疗相关用药研究进展 郑云华,仇滔,黄玥,张丽娜,陈俐(II)

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 陈地龙
副主任委员 黄世斌 胡欣 王晓波 史录文 吕迁洲
高申 蒋学华 邵蓉 缪丽燕 张伶俐
林能明 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

- 本刊刊发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。
- 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。
- 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个月内,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 * 128 * zh * P * ¥10.00 * * 29 * 2024-12

本期责任编辑 王海英 李宇杰 责任校对 张静 王晶 英文编辑 梁红莲

China Pharmaceuticals

June 20, 2024 Volume 33 – Number 12

Contents

◆ *Monograph on Pharmaceutical Industry*

Research Progress on Small Molecule Inhibitors of PD – 1 / PD – L1

..... ZHANG Dameng, CHEN Meiyu, XU Jing, DU Peilong, ZHU Xinting, HAN Leng, GUO Cheng, YANG Quanjun(1)

◆ *Pharmaceutical Administration*

Medication Adherence in Asthmatic Children at an Outpatient Department of Hospital in Deyang:

A Cross – Sectional Survey ZHAO Xiaolin, SU Huaiyu, GAO Yang, JIANG Yan, SONG Xiaoyan(6)

Exploration and Practice of Performance Assessment Mode for Hospital Pharmacy

..... ZHOU Houfeng, FAN Yuting, WANG Xueying, FENG Tao(11)

Construction and Application of an Intelligent Real – Time Monitoring System for PIVAS Environment

in a Hospital PU Jingwen, GENG Zhou, HAN Junping, ZHANG Hui, PAN Jie(16)

Application Effect of Drug Traceability System in the Industry of Traditional Chinese Medicine

Formula Granules LIN Xinwen, GUAN Bingyuan, ZHU Yi, ZHANG Wanqing(21)

Analysis of Essential Drug Use in Outpatient Pharmacy of Western Medicines in a Grade A – Tertiary

Hospital from 2020 to 2022 CAO Can, DAI Genmiao, XIA Quan(24)

Pharmaceutical Care of Nirmatrelvir Tablets / Ritonavir Tablets in a Medical Alliance

..... QIU Yao, XU Rong, ZHAO Xincui, JIANG Jingzhou, LIU Ling, DAI Yang, YAO Shun,
YANG Qi, QU Long, ZHANG Jianping, GUO Cheng(28)

Enlightenment of the Pharmaceutical Inspection Co – Operation Scheme to Provincial Drug Inspection

in China YOU Xiaojie, FAN Wei, FU Wenliang, MOU Chengcheng, WU Sai(32)

◆ *Pharmacy Articles*

Mechanism of Qidan Tangshen Granules in the Treatment of Diabetes Nephropathy Based on

Network Pharmacology XIA Shisi, CONG Yilei, WU Tengfei, YANG Hua(36)

Methodological Research on Abnormal Toxicity and Depressor Substance Tests of Sugammadex Sodium

..... LI Zhikun, LIU Rui, ZHAO Yanxia, LI Shuixian, ZHU Qingfen, GUO Yi, LYU Zhitao(42)

Kidney Safety of Three Types of Drugs for Cardiovascular Disease: A Pharmacovigilance Study

..... FANG Zhenwei, BAI Yang, WANG Qi, LI Yuwen(45)

Chemical Constituent Analysis of Qingre Liangxue Formula Based on UPLC – Q Exactive Focus

MS / MS LIU Jiayi, LIU Jing, WU Doudou, CAI Rui, BAI Yanping(49)

Study on Therapeutic Drug Monitoring Method of Risdiplam in Patients with Spinal Muscular Atrophy

..... WU Xian, HUANG Xiaohui, LIN Zhiyan, LIU Yan, JIANG Wengao, LIU Xinzhu, ZHANG Jian(58)

Analysis of Factors Affecting the Content of Ammonium Ions in Fluids for Assisted Reproductive

Technology GUAN Ruiqin, ZHAO Danmei, JIANG Aili, KE Linnan, WANG Zhaoxu(62)

◆ *Inspection and Test*

Detection of Residual Solvents in Daptomycin by Headspace Gas Chromatography

..... LI Jiarui, HAN Bin, ZHANG Xuexia, REN Fengzhi, XU Yanmei, YAN Kai, WANG Qiao, GAO Yanxia(66)

Identification and Content Determination of Volatile Components in Huoxue Xiaotong Tincture

..... FANG Qiang, GUO Li, XIONG Wei, JIANG Jiashu, ZUO Jie, GAO Qin(69)

Determination of Indapamide and Its Enantiomer by Supercritical Fluid Chromatography

..... LIN Liqin, WANG Xia, YANG Zhi, GAO Liqiong, PENG Yan, SHI Yunfeng(75)

Chemical Component Identification in Jiawei Gantai Capsules and Content Determination of 10

Indicator Components XIE Xue, ZHU Ping, LYU Lei, LING Shuihua, BAO Leilei(78)

◆ *Clinical Research*

Clinical Observation of Dapagliflozin Combined with Metformin in the Treatment of Newly – Diagnosed

Diabetes Mellitus Type 2 ZHANG Liping, YUAN Weifang, DAI Lili(85)

Application Effect of Tirofiban in Mechanical Thrombectomy for Acute Anterior Circulation

Macrovascular Occlusion and Influencing Factors of Prognosis

..... ZHANG Ning, LIU Jing, CUI Tao, WANG Min, HUANG Xiaoqi, YU Chuangwei(88)

- Effect of Warm Acupuncture and Moxibustion Combined with Compound Xuelian Capsules on the Cartilage Metabolism and Inflammatory Reaction in the Treatment of Ankylosing Spondylitis**
 WANG Zhe, HE Qiang, HE Hao(93)
- Clinical Evaluation of Remimazolam Combined with Thoracic Paravertebral Block in Thoracoscopic Surgery for Lung Cancer**
 ZHANG Yilan, WANG Dongya, HE Qian, SHAO Wei, LI Wei, FAN Sa, QIAO Dan(97)
- Evaluation of Clinical Efficacy of Vonoprazan in the Radical Treatment of *Helicobacter Pylori***
 MENG Yajie, LI Rendong, DING Jiewen, MIN Feng, DU Yun, WANG Min(101)
- ◆ **Drug Evaluation**
- Signal Mining of Adverse Drug Events of Pazopanib Based on FAERS**
 YOU Hongyong, LI Weiping, WANG Qiang(105)
- Effectiveness and Safety of Thymopentin in the Treatment of Herpes Zoster: A Meta - Analysis**
 WANG Yu, LIU Yu, YANG Jiadan, WANG Hongmei, SONG Jie(110)
- ◆ **Pharmaceutical Care**
- Diagnosis and Treatment Practice and Literature Analysis of Necrotizing Fasciitis Induced by *Vibrio Vulnificus* Infection: A Case Report**
 TAO Chun, FAN Xigeng, ZHOU Lin, SHI Min, HU Gongli, TIAN Yuan, WANG Zhongshu(115)
- Rationality Analysis of Anticoagulant Drug Use Among Patients Undergoing Orthopedic Surgery in a Hospital** ZENG Yuhua, GU Ping, ZHANG Peng, CHEN Ping, SHAO Ying(120)
- Literature Analysis of Adverse Drug Reactions Induced by Nivolumab**
 ZHAO Shiqing, YANG Shuangning, GUO Qing(124)
- ◆ **Review**
- Research Progress in the Diagnosis and Treatment Drugs of Pancreatic Exocrine Insufficiency**
 ZHENG Yunhua, QIU Tao, HUANG Yue, ZHANG Lina, CHEN Li(II)



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'nán 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 Dilong
Deputy Director of the Editorial Board
 Huang Shibin Hu Xin Wang Xiaobo
 Shi Luwen Lyu Qianzhou Gao Shen
 Jiang Xuehua Shao Rong Miao Liyan
 Zhang Lingli Lin Nengming 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 Wang Jing
English Editor Liang Honglian