

中国病原生物学杂志(中英文)

ZHONGGUO BINGYUAN SHENGWUXUE ZAZHI

月刊 2006 年 1 月创刊

第 20 卷第 4 期(总第 220 期)

2025 年 4 月 30 日出版

主管

国家疾病预防控制局

主办

中华预防医学会

100062,北京市东城区广渠门内大街 47 号楼雍贵中心 A 座 8 层

山东省寄生虫病防治研究所

272033,山东省济宁市太白楼中路 11 号

编辑

中国病原生物学杂志编辑委员会
272033,山东省济宁市太白楼中路 11 号

主编

庄 辉

编辑部主任

王利磊

出版

《中国病原生物学杂志》社
272033,山东省济宁市太白楼中路 11 号
电 话: 0537-2342934
E-mail: cjbz@vip.163.com
byswx@vip.163.com
<http://www.CJPB.org.cn>

印刷

济宁市火炬印务有限公司

发行

国内: 山东省济宁市报刊发行局
国外: 中国国际图书贸易总公司

订购

全国各地邮政局
邮发代号: 24-81

邮购

《中国病原生物学杂志》编辑部
山东省济宁市太白楼中路 11 号
邮 编: 272033
电 话: 0537-2342934

定价

每期 25.00 元, 全年 300.00 元

中国标准连续出版物号

ISSN 1673-5234
CN 11-5457/R

本刊刊出的所有文章不代表中华预防医学会和本刊编委会的观点,除非特别声明。

本刊如有印装质量问题,请向本刊编辑部调换。

目 次

论 著

- 癫痫患儿肠道菌群失衡状况及影响因素分析 曾庆煌 魏凤芳 许金霞等(411)
2010-2021 年山东省发热伴血小板减少综合征
流行特征及影响因素 席睿 高琦 程传龙等(415)
基于多肿瘤标志物表达的肝癌患者肠道微生物组
特征分析 吕振选 吕朝凤 田国防等(421)

- 益生菌辅助治疗对 H 型高血压患者临床指标改善
及肠道微生态的影响分析 宋春颖 曹煜(428)

- AOPE 基因分型对阿尔茨海默病患者中医证型
与细菌感染危险因素的影响分析 李春雷 周海涛 孙争宇等(434)

- P21(WAF1/CIP1)蛋白表达与胃癌患者幽门
螺杆菌感染的相关性分析 潘云鹤 张成鹏 高鹏等(439)
呼吸衰竭患者并发耐碳青霉烯类肺炎克雷伯菌
感染的病原菌特征及其危险因素与预后分析
..... 王丹 常阳阳 丁晗(445)

- 带状疱疹患者血清 8-OHDG、YKL-40、NRG-1
表达与后遗神经痛的关系 杨丹 杨静 郑东明(450)
病原微生物与菌群特征在预测和诊断化脓性
扁桃体炎的价值研究 岳磊 刘云 袁果等(455)

- miR-17-5p 调控 TXNIP/NLRP3 信号通路
对牙龈卟啉单胞菌 LPS 诱导的人牙龈
成纤维细胞炎症反应的影响 王欣 束传亮(460)
鼠伤寒沙门菌未知功能蛋白 YchJ 的抗逆功能
研究 袁西露 李丽 谢荣现等(466)

调查研究

- 检验科微生物室病原菌质谱检测药敏结果及检验
标本不合格原因调查 曹晶晶 杨荣超 吴楠等(471)
山西省老年人群医院感染与卫生管理干预措施
的有效性调查 王卓英 龙际 张江梅(477)
中青年体检人群幽门螺杆菌感染现状及相关
影响因素分析 孙博 郭旖旎 董盟盟等(481)
2020 年济宁市诺如病毒病原学特征分析
..... 陈春梅 赵剑 于颖慧等(486)

临床研究

- 耳鼻喉科术后感染危险因素分析 谷 雪 潘晓丹 孟婧文等(490)

妇科恶性肿瘤术后感染危险因素分析 靳楠楠 徐国亭 曹喜华(494)

泌尿结石感染发生危险因素及病原菌感染分布特点和耐药性分析 李晓石 张慧明 李世宾(499)

基于临床病理特征分析肺癌术后病原菌感染影响因素及与炎症因子关系 刘 芬 郭喜喜 郭利敏(503)

颅脑术后患者并发颅内感染病原学特点及脑脊液炎性因子预测价值分析 辛玉玲 翟 娟 郭 璐等(508)

婴幼儿社区获得性肺炎病原学特征分析 薛格艳 薛 莎 石佳鑫等(512)

脊柱外科术后切口感染患者病原学特征及危险因素分析 刘冠华 孙 振 李世超等(517)

开放性骨折感染的病原菌分布特点及危险因素分析 张凤霞 许志阳 陈巧凤(521)

综述

- 重症急性胰腺炎合并真菌感染的临床诊治研究进展 王彦霞(526)
急性肾盂肾炎发病机制及诊治进展 刘梅(530)
幽门螺旋杆菌感染消化性溃疡患者病原菌根除效果影响因素的研究进展 尹霞(534)
铁死亡在金黄色葡萄球菌感染中的研究进展 张轩 闫文通 王波等(538)
寄生虫感染中参与宿主巨噬细胞极化的信号通路研究进展 熊海婷 周必英(544)

教学与探讨

- # 虚拟仿真技术在病原生物学教学中的应用研究

期刊基本参数 CN11-5457/R * 2006 * m * A4 * 96 * zh+en * P * ¥ 25.00 * 1000 * 29 * 2025-04

本期责任编辑 王利磊

JOURNAL OF PATHOGEN BIOLOGY

Monthly

Established in January 2006

Volume 20, Number 4

30 Apr. 2025

Responsible Institution

National Disease Control and Prevention Administration

Sponsor

China Preventive Medicine Association
Shandong Institute of Parasitic Diseases

Editing

Editorial Board of Journal of Pathogen Biology
No. 11 Taibailou Zhonglu, Jining,
Shandong 272033, P. R. of China
Tel: +86 537 2342934
E-mail: cjp@vip.163.com
byswx@vip.163.com
http://www.CJPB.org.cn

Editor-in-Chief

ZHUANG Hui

Managing Director

WANG Li-lei

Publishing

Publishing House of Journal of Pathogen Biology
Published monthly on the 30th of every month

Printing

Jining Huoju Books and Magazine Printing Center

Subscriptions

Domestic: Local Post Office
Foreign: China International Book Trading Corporation
P. O. Box 399, Beijing, China

Mail-Order

Editorial Office of Journal of Pathogen Biology
No. 11 Taibailou Zhonglu, Jining,
Shandong 272033, P. R. of China
Tel: +86 537 2342934

ISSN

ISSN 1673-5234
CN 11-5457/R

CONTENTS

ORIGINAL ARTICLES

Analysis of intestinal microbiota imbalance and its influencing factors in epileptic children

..... ZENG Qinghuang, WEI Fengfang, XU Jinxia, et al(411)

Epidemiological characteristics and influencing factors of fever with thrombocytopenia syndrome in Shandong Province from 2010 to 2021

..... XI Rui, GAO Qi, CHENG Chuanlong, et al(415)

Analysis of intestinal microbiome characteristics in patients with liver cancer based on the expression of multiple tumor markers

..... LV Zhenxuan, LV Chaofeng, TIAN Guofang(421)

Analysis of the impact of probiotic adjunctive treatment on clinical indicators and gut microecology in patients with

H-type hypertension

..... SONG Chunying, CAO Yu(428)

Analysis of the influence of APOE genotype on Traditional Chinese Medicine syndromes and bacterial infection risk factors in alzheimer's disease patients

..... LI Chunlei, ZHOU Haitao, SUN Zhengyu, et al(434)

Correlation analysis between P21 (WAF1/CIP1) protein expression and *Helicobacter pylori* infection in patients with gastric cancer

..... PAN Yunhe, ZHANG Chengpeng, GAO Peng, et al(439)

Pathogen characteristics, risk factors, and prognosis of carbapenem-resistant *Klebsiella pneumoniae* infection in patients with

respiratory failure

..... WANG Dan, CHANG Yangyang, DING Han(445)

The relationship between serum 8-OHDG, YKL-40, NRG-1 expression and postherpetic neuralgia in patients with herpes zoster

..... YANG Dan, YANG Jing, ZHENG Dongming(450)

Clinical investigation of pathogenic microorganisms and bacterial flora

characteristics for the prediction and diagnosis of suppurative tonsillitis

..... YUE Lei, LIU Yun, YUAN Guo, et al(455)

The effect of miR-17-5p on *Porphyromonas gingivalis* LPS-induced

inflammatory response of human gingival fibroblasts by

regulating the TXNIP/NLRP3 signaling pathway

..... WANG Xin, SHU Chuanliang(460)

Exploratory study on the anticorrosive function of a functionally

unknown protein YchJ in *Salmonella typhimurium*

..... YUAN Xilu, LI Li, XIE Rongxian, et al(466)

INVESTIGATION STUDY

Investigation on mass spectrometry drug susceptibility results of pathogenic bacteria and reasons for unqualified test specimens

in the microbiology laboratory of the laboratory department

..... CAO Jingjing, YANG Rongchao, WU Nan, et al(471)

- Investigation on the effectiveness of hospital infection and health management intervention measures among the elderly in Taiyuan** ZHUO Ying, LONG Ji, ZHANG Jiangmei(477)
- Analysis of *Helicobacter pylori* infection current status and related influencing factors among middle-aged and young people undergoing physical examinations at the Second People's Hospital of Liaocheng** SUN Bo, GUO Yini, DONG Mengmeng, et al(481)
- Pathogenic characteristics of norovirus in Jining City in 2020** CHEN Chunmei, ZHAO Jian, WU Changjing, et al(486)

CLINICAL STUDY

- Analysis of risk factors for postoperative infection in otolaryngology department** GU Xue, PAN Xiaodan, MENG Jingwen, et al(490)
- Analysis of risk factors for postoperative infection in gynecological malignant tumors** JIN Nannan, XU Guoting, CAO Xihua(494)
- Analysis of the risk factors of urinary stone infection and the distribution characteristics and drug resistance of pathogenic bacteria** LI Xiaoshi, ZHANG Huiming, LI Shibin(499)
- Based on clinicopathological features, the relationship between pathogenic bacterial infection and inflammatory factors after chemotherapy for lung cancer was analyzed** LIU Fen, GUO Xixi, GUO Limin(503)
- Analysis of the etiological characteristics of postoperative intracranial infection in patients after craniocerebral surgery and the predictive value of cerebrospinal fluid inflammatory factors** XIN Yuling, ZHAI Juan, GUO Lu, et al(508)
- Etiological characteristics analysis of community-acquired pneumonia in infants and young children** XUE Geyan, XUE Sha, SHI Jiaxin, et al(512)
- Etiological characteristics and risk factors of incision infection in patients after spinal surgery** LIU Guanhua, SUN Zhen, LI Shichao, et al(517)
- Analysis of pathogen distribution characteristics and risk factors of open fracture infection** ZHANG Fengxia, XU Zhiyang, CHEN Qiaofeng(521)

REVIEWS

- Progress in clinical diagnosis and treatment of severe acute pancreatitis complicated with fungal infection** WANG Yanxia(526)
- Pathogenesis, diagnosis and treatment progress of acute pyelonephritis** LIU Mei(530)
- Research progress on influencing factors of pathogen eradication effect in patients with peptic ulcer infected by *Helicobacter pylori*** YIN Xia(534)
- Recent Developments in Ferroptosis in *Staphylococcus aureus* Infections** ZHANG Xuan, YAN Wentong, WANG Bo, et al(538)
- Research progress on signaling pathways involved in host macrophage polarization during parasitic infections** XIONG Haiting, ZHOU Biying(544)

TEACHING AND PROBE

- Research on the application of virtual simulation technology in pathogenic biology teaching** ZHAO Jie, CHEN Kewei(549)