

Q K 2 0 6 3 7 5 5

ISSN 1005 - 4529

CN 11 - 3456/R

CODEN - ZYGZFB

# 中华医院感染学杂志

## ZHONGHUA YIYUANGANRANXUE ZAZHI

2021年1月 第31卷 第2期

Jan.2021 Vol.31 No.2

# CJHI



# CHINESE JOURNAL OF NOSOCOMIOLOGY

中国人民解放军总医院 主管  
中华预防医学会 主办  
中国人民解放军总医院

中国精品科技期刊  
中国百种杰出学术期刊  
RCCSE 中国权威学术期刊  
中国科技论文统计源期刊  
中文核心期刊  
中国自然科学核心期刊  
中国医药卫生核心期刊  
中国学术期刊文摘收录刊

精品科技期刊 TOP 50  
USA-CA 来源期刊  
USA-CSA 来源期刊  
POL-IC 来源期刊  
JPN-JST 来源期刊  
UK-CABI 来源期刊  
USA- Ulrichsweb 来源期刊  
WHO-WPRIM 来源期刊

ISSN 1005-4529



万方数据

中华预防医学会系列杂志

SERIAL JOURNAL OF CHINA PREVENTIVE MEDICINE ASSOCIATION

# 02

2021



# 中华医院感染学杂志

ZHONGHUA YIYUANGANRANXUE ZAZHI

半月刊 1991年9月创刊 第31卷 第2期 2021年1月20日出版

## 主管

中国人民解放军总医院  
100039,北京市复兴路28号

## 主办

中华预防医学会  
100021,北京市朝阳区华威里25号  
中国人民解放军总医院  
100039,北京市复兴路28号

## 编辑

中华医院感染学杂志编辑委员会  
100039,北京市复兴路28号  
电话:(010)66939464  
E-mail:zhyygrxzz@163.com  
投稿 E-mail:zhyy6688@163.com

## 编辑委员会主任委员

陈景元

## 主编

刘运喜

## 编辑部主任

索继江

## 出版

中华医院感染学杂志社  
100039,北京市复兴路28号  
电话:(010)68295439  
网址:http://zhyy.cbpt.cnki.net

## 印刷

北京市庆全新光印刷有限公司

## 发行

国内:北京报刊发行局  
国外:中国国际图书贸易总公司  
(北京399信箱,100044)  
代号:1680MO

## 订购

全国各地邮电局  
邮发代号:82-747

## 邮购

中华医院感染学杂志社  
100039,北京市复兴路28号  
电话:(010)66939464

## 定价

每期18元,全年432元

## 中国标准连续出版物号

ISSN 1005-4529  
CN 11-3456/R

2021年版权归中华预防医学会和  
中华医院感染学杂志社所有

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

#### 基础研究

- 柯萨奇病毒 B3 感染大鼠心肌钙通道基因表达及其功能变化  
..... 郭丽敏, 张东华, 史宁, 等 (161)
- 芩百清肺浓缩丸治疗肺炎支原体感染大鼠模型细胞因子表达水平变化  
..... 方丽琴, 姚英, 任玲君, 等 (166)
- $\gamma$  干扰素在小鼠生殖道沙眼衣原体感染中的作用机制  
..... 申鑫鑫, 豆贝贝, 邱红兵, 等 (171)
- 慢性 HBV 感染患者 TIM-3 基因多态性及其与抗病毒治疗疗效关系  
..... 常文娟, 王慧, 张艳鹤, 等 (176)
- 肝包虫病合并 HBV 感染患者 Th17、CD<sub>4</sub><sup>+</sup> 细胞表面 PD-1/PD-L1 的  
表达水平及意义 ..... 贾炜炜, 杨潇潇, 肖婉, 等 (180)
- 乙肝肝硬化合并自发性细菌性腹膜炎 PCT 和 HBP 与 IL-7 表达水平  
..... 胡艳艳, 叶晓云, 俞巧燕 (184)

#### 内科感染研究

- 丙型肝炎病毒载量与微量元素水平的相关性  
..... 胡含, 何幼飞, 严洪露, 等 (188)
- HIV 感染合并肺结核影像学 CT 特征与 CD<sub>4</sub><sup>+</sup> T 细胞及病毒  
载量的相关性 ..... 郑小燕, 马琴, 陈永宏, 等 (193)
- 高迁移率族蛋白 B1 多态性与肺癌化疗患者肺部感染严重程度  
的相关性 ..... 乔树林, 胡宏凯, 荣守华, 等 (198)
- 老年心力衰竭患者合并肺部感染及预后影响因素  
..... 张绍江, 祁庆, 税小波 (203)
- 老年慢性病患者肺部感染与 CD14 及 HLA 基因多态性的关系  
..... 赵若汐, 王鹏, 徐超, 等 (208)
- 炎症性肠病患者巨细胞病毒感染危险因素  
..... 吴娜, 杜三军, 彭昭 (213)

## 外科感染研究

- 颅内动脉瘤术后肺部感染病原学及 NF- $\kappa$ B 和 MMP-9 水平变化 ..... 马志君, 吉洁, 呼铁民, 等 (218)
- 肝切除患者术后感染危险因素及 PNI 联合 ALB 的预测价值 ..... 孙亭立, 淦勤, 刘合春 (223)
- 急性胆道感染 SD 大鼠肝细胞凋亡和相关 Bcl-2/Bax 蛋白表达的分析  
..... 武贞, 黄俊英, 杨莎, 等 (228)
- 恶性梗阻性黄疸 PTCD 术后胆道感染危险因素及 sCD14-ST 诊断价值  
..... 范小斌, 徐明洲, 贾亚鹏, 等 (233)
- 胆管结石合并胆道细菌感染患者胆汁病原菌及其预后影响因素 ..... 伍婵璐, 姜瑜, 肖燕 (238)
- 急性胰腺炎合并肺部感染患者免疫状态及炎症指标诊断价值 ..... 任书勤, 章阳 (244)
- 经皮肾镜微创取石术后尿路感染危险因素及血清 HMGB1、TLR4、NF- $\kappa$ B 水平  
..... 李新亮, 杨思伟, 郭艳, 等 (249)
- 良性前列腺增生患者术后尿源性感染危险因素及血清标志物的早期预测  
..... 黄金丽, 王晓莉, 徐敏, 等 (254)
- 四肢骨折术后切口感染病原菌及危险因素 ..... 陈彦, 林琳, 严小林, 等 (259)
- 乳腺癌患者 Bcl-2 和生存素表达与 HPV 感染的相关性 ..... 许安文, 侯开庆, 陈芳, 等 (264)

## 妇儿感染研究

- 人乳头瘤病毒感染和阴道微生态状况对宫颈鳞状上皮内病变的影响 ..... 王秀芳, 赵辉 (268)
- 孕晚期 GBS 感染不良妊娠结局影响因素及 IL-8 水平 ..... 徐军娟, 倪娟, 徐丽燕 (272)
- 儿童肺炎支原体肺炎并发大叶性肺炎的危险因素 ..... 王雪, 高密密, 尹力, 等 (277)
- 儿童肺炎支原体感染支气管肺炎与大叶性肺炎临床及血液学特征  
..... 吉祥灵, 雷智贤, 吴守业, 等 (281)
- 维生素 C 联合免疫球蛋白治疗儿童病毒性心肌炎的效果 ..... 郑婉, 李天发, 林云, 等 (286)
- 200 例手足口病患儿临床表现及其实验室诊断 ..... 杨世明, 丁莉, 沈璞, 等 (291)

## 感染管理研究

- 冠状动脉搭桥术后医院感染风险预测模型构建 ..... 赵巧燕, 浮志坤, 陈健超, 等 (296)
- 临床药师干预对中枢神经系统感染患者万古霉素用药效果的影响 ..... 杨一梅, 金栋, 王恒瑞, 等 (301)
- 静脉用药调配中心规范管控措施的效果评价 ..... 李国春, 邓谷霖, 黄正丹, 等 (307)
- 济南市基层民营口腔诊所综合治疗台诊疗用水微生物污染调查 ..... 李传霞, 张彤, 刘慧媛, 等 (311)

## 标准

- 艰难梭菌感染诊断 (T/CPMA 008-2020) ..... 中华预防医学会 (315)

# CHINESE JOURNAL OF NOSOCOMIOLOGY

Semimonthly    Established in September, 1991    Volume 31    Number 2    January 20, 2021

## Responsible Institution

General Hospital of PLA  
28 Fuxing Road, Beijing 100039, PR China

## Sponsor

Chinese Preventive Medicine Association  
No.25 Huaweili, Chaoyang District, Beijing  
General Hospital of PLA  
28 Fuxing Road, Beijing 100039, PR China

## Editing

Editorial Committee of Chinese  
Journal of Nosocomiology  
28 Fuxing Road Beijing 100039, PR China  
Tel: 0086-10-66939464  
E-Mail: zhyygrxz@163.com

## Chairman of the Editorial Committee

CHEN Jing-yuan(陈景元)

## Editor-in-Chief

LIU Yun-xi(刘运喜)

## Managing Director

SUO Ji-jiang(索继江)

## Publishing

Chinese Journal of Nosocomiology Press  
28 Fuxing Road, Beijing 100039, PR China  
Tel: 0086-10-68295439  
Web Site: <http://zhyy.cbpt.cnki.net>

## Printing

Beijing Qingquan Xinguang Printing Co., Ltd

## Overseas Distributor

China International Book Trading  
Corporation  
P.O.Box 399, Beijing, PR China  
Code No. 1680BM

## Mail-Order

Chinese Journal of Nosocomiology Press  
28 Fuxing Road, Beijing 100039, PR China  
Tel: 0086-10-66939464

## CSSN

ISSN 1005-4529  
CN 11-3456/R

## CODEN

ZYGZFB

## Copyright© 2021 by the

Chinese Preventive Medicine Association and  
Chinese Journal of Nosocomiology

All articles published represent the opinions of the authors, do not reflect the official policy of the Chinese Preventive Medicine Association or the Editorial Committee unless this is clearly specified.

## CONTENTS IN BRIEF

### Original Articles

#### Basic Research

##### Gene expression and functional changes of calcium channel in ventricular muscle of rats infected with CVB3

..... GUO Li-min, ZHANG Dong-hua, SHI Ning, *et al* (161)

##### Effect of Qinbai Qingfei concentrated pills on expression levels of inflammatory cytokines of rat models with *Mycoplasma pneumoniae* infection

..... FANG Li-qin, YAO Ying, REN Ling-jun, *et al* (166)

##### Mechanism of IFN- $\gamma$ in mice with reproductive tract *Chlamydia trachomatis* infection

..... SHEN Xin-xin, DOU Bei-bei, QIU Hong-bing, *et al* (171)

##### Correlation between TIM-3 gene polymorphism and efficacy of antiviral therapy in patients with chronic HBV infection

..... CHANG Wen-juan, WANG Hui, ZHANG Yan-he, *et al* (176)

##### PD-1/PD-L1 surface of Th17 and CD<sub>4</sub><sup>+</sup> cells of hepatic hydatidosis patients complicated with HBV infection and its significance

..... JIA Wei-wei, YANG Xiao-xiao, XIAO Wan, *et al* (180)

##### PCT, HBP and IL-7 in ascites of hepatitis B cirrhosis patients complicated with spontaneous bacterial peritonitis

..... HU Yan-yan, YE Xiao-yun, YU Qiao-yan (184)

#### Internal Medicine-related Infection

##### Correlation between levels of trace elements and hepatitis C virus load

..... HU Han, HE You-fei, YAN Hong-lu, *et al* (188)

##### Imaging CT features of patients with HIV infection and tuberculosis and their relationship with CD<sub>4</sub><sup>+</sup> T lymphocytes and viral load

..... ZHENG Xiao-yan, MA Qin, CHEN Yong-hong, *et al* (193)

##### Correlation between polymorphism of high mobility group protein B1 and severity of pulmonary infection in lung cancer patients undergoing chemotherapy

..... QIAO Shu-lin, HU Hong-kai, RONG Shou-hua, *et al* (198)

##### Pulmonary infection in elderly patients with heart failure and influencing factors

..... ZHANG Shao-jiang, QI Qing, SHUI Xiao-bo (203)



**Prevalence of pulmonary infection among elderly patients with chronic diseases and its correlation with gene polymorphisms of CD14 and HLA** ..... ZHAO Ruo-xi, WANG Peng, XU Chao, *et al* (208)

**Risk factors for cytomegalovirus infection in patients with inflammatory bowel diseases** ..... WU Na, DU San-jun, PENG Zhao (213)

## **Surgery-related Infection**

**Etiological characteristics of postoperative pulmonary infection in intracranial aneurysm patients and changes of NF- $\kappa$ B and MMP-9** ..... MA Zhi-jun, JI Jie, HU Tie-min, *et al* (218)

**Risk factors for postoperative infections in hepatectomy patients and predictive value of PNI combined with ALB** ..... SUN Ting-li, GAN Qin, LIU He-chun (223)

**Hepatocyte apoptosis and expression of related Bcl-2/Bax protein in SD rats with acute biliary tract infection** ..... WU Zhen, HUANG Jun-ying, YANG Sha, *et al* (228)

**Risk factors for biliary tract infection in malignant obstructive jaundice patients after PTCD and diagnostic value of sCD14-ST** ..... FAN Xiao-bin, XU Ming-zhou, JIA Ya-peng, *et al* (233)

**Pathogens isolated from bile of bile duct stones patients complicated with biliary tract infection and influencing factors for prognosis** ..... WU Chan-lu, JIANG Yu, XIAO Yan (238)

**Immune status of patients with acute pancreatitis patients complicated with pulmonary infection and diagnostic value of inflammatory indexes** ..... REN Shu-qin, ZHANG Yang (244)

**Risk factors for postoperative urinary tract infection in minimally invasive percutaneous nephrolithotomy patients and impact on serum HMGB1, TLR4 and NF- $\kappa$ B** ..... LI Xin-liang, YANG Si-wei, GUO Yan, *et al* (249)

**Risk factors for postoperative urinary infections in patients with benign prostatic hyperplasia and early prediction with serological markers** ..... HUANG Jin-li, WANG Xiao-li, XU Min, *et al* (254)

**Pathogens isolated from limb fracture patients with postoperative incision infections and risk factors** ..... CHEN Yan, LIN Lin, YAN Xiao-lin, *et al* (259)

**Correlation between Bcl-2, Survivin and HPV infection in breast cancer patients** ..... XU An-wen, HOU Kai-qing, CHEN Fang, *et al* (264)

## Maternal and Child Infection

- Influence of human papillomavirus infection and vaginal microecological status on cervical squamous intraepithelial lesions**  
..... WANG Xiu-fang, ZHAO Hui (268)
- Influencing factors for adverse pregnancy outcomes and IL-8 level of pregnant women with GBS infection in third trimester**  
..... XU Jun-juan, NI Juan, XU Li-yan (272)
- Risk factors for lobar pneumonia in children with *Mycoplasma pneumoniae* pneumonia**  
..... WANG Xue, GAO Mi-mi, YIN Li, *et al* (277)
- Clinical and hematological characteristics of bronchial pneumonia and lobar pneumonia in children with *Mycoplasma pneumoniae* infection** ..... JI Xiang-ling, LEI Zhi-xian, WU Shou-ye, *et al* (281)
- Effect of vitamin C combined with immunoglobulin on treatment of children with viral myocarditis**  
..... ZHENG Wan, LI Tian-fa, LIN Yun, *et al* (286)
- Clinical manifestations of 200 children with hand-foot-mouth disease and its laboratory diagnosis**  
..... YANG Shi-ming, DING Li, SHEN Ying, *et al* (291)

## Infection Control

- Construction of nosocomial infection risk prediction model after coronary artery bypass grafting**  
..... ZHAO Qiao-yan, FU Zhi-kun, CHEN Jian-chao, *et al* (296)
- Impact of clinical pharmacist intervention on therapeutic effect of vancomycin on patients with central nervous system infection** ..... YANG Yi-mei, JIN Dong, WANG Heng-rui, *et al* (301)
- Effects of standardized control and management measures in pharmacy intravenous admixture service**  
..... LI Guo-chun, DENG Gu-lin, HUANG Zheng-dan, *et al* (307)
- Microbial contamination of treatment water of comprehensive treatment tables in grass-roots private oral clinics of Jinan**  
..... LI Chuan-xia, ZHANG Tong, LIU Hui-yuan, *et al* (311)

## Guidelines

- Diagnosis of *Clostridioides difficile* infection (T/CPMA 008-2020)**  
..... Chinese preventive Medicine Association (315)

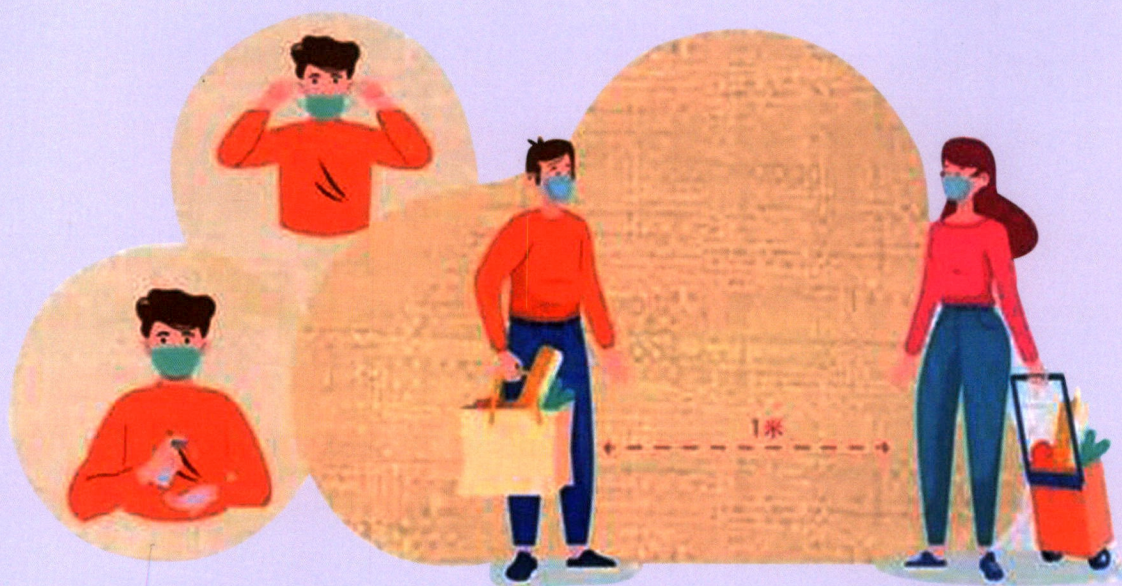
责任编辑 王秀凤      中文审校 王秀凤 杨旭 冯亚莉      英文审校 成富亮 崔生辉

[期刊基本参数]CN11-3456/R \* 1991 \* s \* 16 \* 160 \* zh \* P \* ¥18.00 \* 6000 \* 36 \* 2021-01



# 中国疾控中心冬季健康提示

## 防控新冠肺炎



**避免非必要的跨境旅行**

**老人有基础病者避免旅行**

**尽量不聚餐 不聚会 不扎堆**

**继续戴口罩 勤洗手 保持社交距离**