



ISSN 1005-4529

CN 11-3456/R

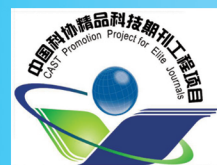
CODEN-ZYGZFB

# 中华医院感染学杂志

## ZHONGHUA YIYUANGANRANXUE ZAZHI

2021年10月 第31卷 第19期 October.2021 Vol.31 No.19

# 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



9 771005 452217

万方数据

中华预防医学会系列杂志  
SERIAL JOURNAL OF CHINA PREVENTIVE MEDICINE ASSOCIATION

# 19

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19期 2021年10月10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:zhyygrxz@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

#### 新型冠状病毒防治研究

新冠肺炎患者救治定点医院改建对策

..... 李六亿,姚希,张冰丽 (2881)

多种比例混合样本对新型冠状病毒核酸检测结果的影响

..... 张自豪,程菲,刘双,等 (2886)

某院新型冠状病毒肺炎疫情常态化防控阶段医院感染量化

考核方法及效果 ..... 王振玲,赖晓全,徐敏,等 (2891)

“四区脱卸法”在新冠肺炎重症病区的应用及防护效果

..... 汪邦芳,史庆丰,石磊,等 (2896)

江苏省医务人员新冠疫苗自愿接种状况及影响因素调查

..... 狄寒玲,张丽伟,江淑芳,等 (2900)

新型冠状病毒疫苗犹豫研究进展

..... 刘春梓,庄英杰,于燕波,等 (2905)

2021年新型冠状病毒肺炎临床研究最新进展

..... 高凤萍,黄敏梅,高小亮 (2910)

突发重大传染病疫情医疗救援人员心理应激及其干预

研究进展 ..... 崔展宇,宋兵,谭钧元,等 (2915)

#### 结核病防治研究

抗结核药物性肝损伤危险因素及其与SLCO1B1/ABCB1基因

多态性的关联性 ..... 王鲜茹,胡新俊,王雪茹,等 (2920)

2012—2019年安徽某医院结核分枝杆菌耐药趋势

..... 王东萍,包训迪,梁锁,等 (2925)

初治涂阳肺结核患者GBP5与ESAT-6和CFP-10的表达

及相关性 ..... 蔡文平,钱敏,董力,等 (2930)

抗结核药物所致肝损伤与孕烷X受体基因多态性的关联性

..... 冯艳,许俊,黄伟,等 (2935)

IL-10基因多态性与肺结核易感性和抗结核治疗致肝损伤的

关联性 ..... 吉雪芳,吴坤亮,文小兰,等 (2940)

肺结核易感性与 $\gamma$ -干扰素基因多态性的关联性

..... 王新霞,陆芳,沈斌,等 (2945)

肺结核患者外周血 TIRAP S180L 基因多态性与疾病易感性及病情的关系

..... 符之月,王志峰,陆清平,等 (2950)

结核性胸膜炎患者胸腔积液及血清 PD-1/PD-L1 通路蛋白表达及其诊断价值

..... 姜建春,姜新华,周群英,等 (2954)

基质金属蛋白酶-1 基因多态性与脊柱结核易感性及手术预后的关联性

..... 周凤珍,葛梅,李伟,等 (2959)

四种 miRNA 在布鲁氏杆菌感染脊柱炎与脊柱结核患者诊治中的应用

..... 韩世虎,郑楠,王艳波,等 (2964)

## 内科感染研究

Hp 感染与胃癌组织中 MLK1 和 HER-2 及 Ki-67 表达及肿瘤局部浸润的相关性

..... 许柯青,程云,段秋琴,等 (2969)

细胞因子基因多态性及 Hp 感染与慢性萎缩性胃炎易感性的关系

..... 汤淼,赖运庆,吴文朝 (2973)

革兰阴性菌感染重症肺炎患者 miRNA-155 与 NGAL 和 PCT 及 LA 对预后的影响

..... 周云,罗翠竹,彭代娇 (2978)

血清 PCT 与 CRP 和 sTREM-1 对 COPD 患者下呼吸道铜绿假单胞菌感染与定植的诊断价值

..... 刘敏,袁丹,王柏乔,等 (2983)

慢性阻塞性肺疾病急性加重期呼吸道病毒感染影响因素 ..... 王硕莹,张节平,吴文娟,等 (2988)

慢性心力衰竭并发肺部感染患者外周血 miR-183 与 miR-21-3p 和 miR-146b 的变化及意义

..... 王晓明,杨鹏伟,汪玲,等 (2993)

梅毒血清固定患者外周血单个核淋巴细胞中 miR-195 与 miR-223 和 miR-589 的表达

及临床价值 ..... 韩雪梅,李殿霞,田祥龙,等 (2998)

2016—2019 年贵阳市监测哨点吸毒人群 HIV 与梅毒和 HCV 感染影响因素

..... 姚佐薇,周健,朱焱,等 (3003)

## 外科感染研究

风湿性心脏病术后医院感染患者血清 FGF23/Klotho 及其与炎症状态和细胞免疫的关系

..... 王波,符洪犊,蒙漫史,等 (3008)

乳腺癌根治术患者化疗期间医院感染影响因素及血清 Th1/Th2 细胞水平

..... 陶科颖,周国琴,朱春兰,等 (3013)

## 妇儿感染研究

卵巢癌患者 HPV16/18 感染与抑癌基因 Rap1GAP 表达的关系

..... 王宁,田君,张冬丽,等 (3018)

孕产妇无乳链球菌感染现状与毒力基因分析 ..... 项君艳,李君瑞,刘志惠,等 (3022)

同型半胱氨酸及叶酸代谢基因 MTHFR 多态性与复发性流产发病风险的关联性

..... 朱长玲,卢帅军,史颖姣,等 (3026)

夫妻双方不同 HBV 感染状态对 IVF/ICSI-ET 治疗患者妊娠率和妊娠结局与母婴结局的影响

..... 陈素琴,石玉珊,俞丹凤,等 (3031)

糖皮质激素联合丙球蛋白治疗儿童麻疹合并细菌性肺炎疗效 ..... 郭杏华,苏慧琴,蔡燕,等 (3036)

---

---

# CHINESE JOURNAL OF NOSOCOMIOLOGY

Semimonthly    Established in September, 1991    Volume 31    Number 19    October 10, 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

#### Prevention and Control of COVID-19

##### Countermeasures for the reconstruction of designated hospitals for the treatment of patients with COVID-19

..... LI Liu-yi, YAO Xi, ZHANG Bing-li (2881)

##### Impact of mixed samples in various proportions on the detection of novel coronavirus nucleic acids

..... ZHANG Zi-hao, CHENG Fei, LIU Shuang, *et al* (2886)

##### Effect of quantitative assessment of nosocomial infection management in normalized prevention and control phase of the COVID-19 pneumonia epidemic

..... WANG Zhen-ling, LAI Xiao-quan, XU Min, *et al* (2891)

##### Application and protective effect of "four-zone remove method" in the severe disease area of the COVID-19 pneumonia

..... WANG Bang-fang, SHI Qing-feng, SHI Lei, *et al* (2896)

##### Investigation on status of the voluntary vaccination of COVID-19 vaccine among medical staff in Jiangsu province and its influencing factors

..... DI Han-ling, ZHANG Li-wei, JIANG Shu-fang, *et al* (2900)

##### Status and research progress of vaccine hesitancy for COVID-19

..... LIU Chun-zi, ZHUANG Ying-jie, YU Yan-bo, *et al* (2905)

##### Latest progress of clinical study on COVID-19

..... GAO Feng-ping, HUANG Min-mei, GAO Xiao-liang (2910)

##### Research progress on psychological stress and intervention of medical rescue workers in sudden outbreak of major infectious diseases

..... CUI Zhan-yu, SONG Bing, TAN Jun-yuan, *et al* (2915)

### Prevention and Treatment of Tuberculosis

#### Risk factors for drug-induced liver injuries and its association with SLCO1B1/AB-CB1 gene polymorphisms

..... WANG Xian-ru, HU Xin-jun, WANG Xue-ru, *et al* (2920)

**Analysis of drug resistance trend of *Mycobacterium tuberculosis* in a hospital in Anhui province from 2012 to 2019**  
..... WANG Dong-ping, BAO Xun-di, LIANG Suo, *et al* (2925)

**Expression and correlation of GBP5, ESAT-6 and CFP-10 in newly diagnosed smear positive pulmonary tuberculosis patients** ..... CAI Wen-ping, QIAN Min, DONG Li, *et al* (2930)

**Association between pregnane X receptor gene polymorphism and anti-tuberculosis-drug-induced liver damage**  
..... FENG Yan, XU Jun, HUANG Wei, *et al* (2935)

**Association of IL-10 gene polymorphism with susceptibility to pulmonary tuberculosis and liver injury caused by anti-tuberculosis therapy** ..... JI Xue-fang, WU Kun-liang, WEN Xiao-lan, *et al* (2940)

**Association between susceptibility to pulmonary tuberculosis patients and IFN- $\gamma$  gene polymorphism**  
..... WANG Xin-xia, LU Fang, SHEN Bin, *et al* (2945)

**Relationship of peripheral blood TIRAP S180L gene polymorphism, disease susceptibility and illness condition of patients with pulmonary tuberculosis** ..... FU Zhi-yue, WANG Zhi-feng, LU Qing-ping, *et al* (2950)

**Expression of PD-1/PD-L1 pathway protein in pleural effusion and serum of patients with tuberculous pleurisy and its diagnostic value** ..... JIANG Jian-chun, JIANG Xin-hua, ZHOU Qun-ying, *et al* (2954)

**Association of matrix metalloproteinase-1 gene polymorphism with susceptibility to spinal tuberculosis and prognosis of surgery** ..... ZHOU Feng-zhen, GE Mei, LI Wei, *et al* (2959)

**Application of four miRNAs in the diagnosis and treatment of patients with brucellosis spondylitis and tuberculous spondylitis** ..... HAN Shi-hu, ZHENG Nan, WANG Yan-bo, *et al* (2964)

## **Internal Medicine-related Infection**

**Correlation between Hp infection and the expression of MLK1, HER-2 and Ki-67 in gastric cancer tissue and local tumor invasion** ..... XU Ke-qing, CHENG Yun, DUAN Qiu-qin, *et al* (2969)

**Relationship between cytokine gene polymorphism, Hp infection and susceptibility to chronic atrophic gastritis**  
..... TANG miao, LAI Yun-qing, WU Wen-zhao, *et al* (2973)

**Effects of miRNA-155, NGAL, PCT and LA on the prognosis of severe pneumonia induced by gram-negative bacteria infection** ..... ZHOU Yun, LUO Cui-zhu, PENG Dai-jiao (2978)

**Diagnostic value of serum PCT, CRP and sTREM-1 on the infection and colonization of *Pseudomonas aeruginosa* in the lower respiratory tract of patients with COPD** ..... LIU Min, YUAN Dan, WANG Bo-qiao, *et al* (2983)

**Influencing factors of respiratory virus infection in acute exacerbation of chronic obstructive pulmonary disease patients** ..... WANG Shuo-ying, ZHANG Jie-ping, WU Wen-juan, *et al* (2988)

**Changes and significance of peripheral blood miR-183 , miR-21-3p and miR-146b in patients with chronic heart failure complicated by pulmonary infection** ..... WANG Xiao-ming , YANG Peng-wei , WANG Ling , *et al* (2993)

**Expression and clinical value of miR-195 , miR-223 , miR-589 in peripheral blood mononuclear lymphocytes in patients with syphilis serofixation** ..... HAN Xue-mei , LI Dian-xia , TIAN Xiang-long , *et al* (2998)

**Influencing factors of HIV , syphilis , and HCV infection among sentinel drug users in Guiyang from 2016 to 2019** ..... YAO Zuo-wei , ZHOU Jian , ZHU Yan , *et al* (3003)

**Surgery-related Infection**

**Serum FGF23/Klotho in patients with nosocomial infection after rheumatic heart disease operation and its relationship with inflammation and cellular immunity** ..... WANG Bo , FU Hong-du , MENG Man-shi , *et al* (3008)

**Influencing factors of nosocomial infection and serum Th1/Th2 cytokine levels in patients undergoing radical mastectomy during chemotherapy** ..... TAO Ke-ying , ZHOU Guo-qin , ZHU Chun-lan , *et al* (3013)

**Maternal and Child Infection**

**Relationship between HPV16/18 infection and expression of tumor suppressor gene Rap1GAP in patients with ovarian cancer** ..... WANG Ning , TIAN Jun , ZHANG Dong-li , *et al* (3018)

**Prevalence of *Streptococcus agalactiae* infection in pregnant and lying-in women and virulence genes** ..... XIANG Jun-yan , LI Jun-rui , LIU Zhi-hui , *et al* (3022)

**Association between homocysteine and folate metabolism gene MTHFR polymorphisms with onset risk of recurrent spontaneous abortion** ..... ZHU Chang-ling , LU Shuai-jun , SHI Ying-jiao , *et al* (3026)

**Influence of different state of HBV infections of husband and wife on pregnancy rate , pregnancy outcomes and maternal-infant outcomes of patients treated by IVF/ICSI-ET** ..... CHEN Su-qin , SHI Yu-shan , YU Dan-feng , *et al* (3031)

**Efficacy of glucocorticoids combined with gamma globulin in treatment of children with measles and bacterial pneumonia** ..... GUO Xing-hua , SU Hui-qin , CAI Yan , *et al* (3036)

责任编辑 师维康      中文审校 师维康 倪宏霞 冯亚莉      英文审校 成富亮 崔生辉