



ISSN Q K1860712
CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2018年12月 第28卷 第23期

Dec. 2018 Vol.28 No.23

CHINESE
JOURNAL OF HEALTH
LABORATORY TECHNOLOGY

国家卫生和计划生育委员会主管
中华预防医学会主办

CJ
HLT

RCCSE 中国核心学术期刊
中国生物医学源期刊
美国化学文摘(CA)源期刊
中国学术期刊综合评价数据库源期刊

23
2018

ISSN 1004-8685



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

9 7719 方数据 187

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

半月刊 1991 年创刊 第 28 卷 第 23 期 2018 年 12 月 10 日出版

主管

中华人民共和国国家卫生和计划生育委员会
100044, 北京市西城区西直门外南路 1 号

主办

中华预防医学会
100021, 北京市朝阳区华威里 25 号 5 层

名誉总编

丛玉隆

社长

张绍武

总编

徐英春

总编助理

张辉

常务副社长

杨师

副社长

张甜 姜友珍

副总编 (排名按姓氏笔画排列)

沈立松 李永哲 李桂英 张克荣 应斌武
郁庆福 林丽开 姜晓峰 徐国宾 程伟

编辑部主任

杨锋

编辑

中国卫生检验杂志编委会

出版

中国卫生检验杂志社
450003 郑州市经一路 12 号 2288 信箱

编辑部电话

0371-65978342
0371-65968289 (传真)

广告部电话

0371-65998851
15538110112

发行

国内发行: 北京市邮政局
邮发代号: 80-152
国外发行: 中国国际图书贸易总公司
(北京 399 信箱)
国外发行代号: M5752

中国标准连续出版物号

ISSN 1004-8685
CN 41-1192/R

广告发布登记证号

郑金水广登字[2018]005 号

2018 年版权归中国卫生检验杂志社所有

定价

每期 38 元

目 次

论 著

老年慢性阻塞性肺疾病患者肠道双歧杆菌、肠球菌变化及其相关性研究

..... 朱建俊, 陆洪国, 胡志伟, 等 (2817)

活动性结核患者外周血单核细胞 Toll 样受体 2 表达及其意义

..... 王绪山, 李静, 王敏, 等 (2820)

黄芪多糖联合 5-氟尿嘧啶对骨肉瘤细胞系 MG63 细胞中 CD133⁺ 细胞

凋亡影响及其分子机制 唐晓栋 (2825)

高效液相色谱 - 串联质谱法同时测定鱼、虾中 18 种抗生素药物残留

..... 李颖, 孙珏, 李峰 (2830)

化学测定方法

快速湿法消解 - 电感耦合等离子体质谱法同时测定紫菜中铅、砷、汞、

镉含量 王欣美, 吴思霖, 杨仁康, 等 (2835)

某市竹林食用笋中百草枯残留的动态分析研究

..... 雷永良, 李启, 陈燕飞, 等 (2838)

混合型阳离子交换固相萃取 - 液相色谱 - 串联质谱法测定肉样中特布

他林、沙丁胺醇、莱克多巴胺和克伦特罗残留

..... 潘胜东, 叶美君, 王立, 等 (2841)

实验研究

本刊编委 (排名按姓氏笔画排列)

丁家华 仓公敖 方赤光 王 曼
王 哲 王大宁 王志玉 王京宇
王凯娟 王栩东 毋福海 冯晓燕
叶能权 毕永毅 刘玉龙 刘运德
刘秀梅 刘殿武 吕玉民 吕昌银
祁建城 任一平 孙长颢 孙成均
许春向 陈守建 何建国 何浙生
何晓青 李 蓉 李 磊 李明武
李晓虹 宋宏彬 吴清平 杨 元
张 蒙 张 曦 张贺秋 邹学贤
姜庆五 赵 卓 赵雁林 高永清
贾珍珍 栗文元 凌文华 栾 燕
徐东群 曹 佳 晁福寰 崔 巍
常风启 黄国伟 康 辉 康维钧
韩玉霞 韩学尧 曾现伟 窦志勇
溥 萍 阚 飘 廖百森 裴少军
裴晓方 谭晓东 熊 英 潘 慧
冀元棠 穆新林

Editorial Board Member (in Surname Stroke Order)

DING Jia - hua, CANG Gong - ao, FANG Chi - guang, WANG Min, WANG Zhe, WANG Da - ning, WANG Zhi - yu, WANG Jing - yu, WANG Kai - juan, WANG Xu - dong, WU Fu - hai, FENG Xiao - yan, YE Neng - quan, BI Yong - yi, LIU Yu - long, LIU Yun - de, LIU Xiu - mei, LIU Dian - wu, LV Yu - min, LV Chang - yin, QI Jian - cheng, REN Yi - ping, SUN Chang - hao, SUN Cheng - jun, XU Chun - xiang, CHEN Shou - jian, HE Jian - guo, HE Zhe - sheng, HE Xiao - qing, LI Rong, LI Lei, LI Ming - wu, LI Xiao - hong, SONG Hong - bin, WU Qing - ping, YANG Yuan, ZHANG Meng, ZHANG Xi, ZHANG He - qiu, ZOU Xue - xian, JIANG Qing - wu, ZHAO Zhuo, ZHAO Yan - lin, GAO Yong - qing, JIA Zhen - zhen, LI Wen - yuan, LING Wen - hua, LUAN Yan, XU Dong - qun, CAO Jia, CHAO Fu - huan, CUI Wei, CHANG Feng - qi, HUANG Guo - wei, KANG Hui, KANG Wei - jun, HAN Yu - xia, HAN Xue - yao, ZENG Xian - wei, DOU Zhi - yong, PU Ping, KAN Biao, LIAO Bai - sen, PEI Shao - jun, PEI Xiao - fang, TAN Xiao - dong, XIONG Ying, PAN Hui, JI Yuan - tang, MU Xin - lin

网 址

www.zgwsjy.cn

投稿电子信箱

wsjyzz@126.com

印 刷

河北鑫兆源印刷有限公司

哮喘大鼠肺组织 Bid mRNA 和蛋白表达水平检测的意义 蒋珍凤,范广民,罗冬娇,等 (2845)

微生物检测方法

六安市小肠结肠炎耶尔森菌病原学研究 张凤,高大维,常宏伟,等 (2848)

活禽市场环境新型 H5N6 亚型禽流感病毒的鉴定及其基因特征分析 ...

..... 陈腊梅,吕君,唐勇军 (2851)

血流感染中大肠埃希菌及肺炎克雷伯菌耐药特征及基因分型

..... 郭亮,张传领,王白永 (2855)

关节腔穿刺液的病原菌种类分布及耐药性分析 庞洁如 (2859)

临床检验

一个遗传性凝血因子 V 缺陷症家系表型与基因分析

..... 杜长宝,杨婷,祝进,等 (2863)

抗缪勒管激素与游离睾酮指数在多囊卵巢综合征诊断中的应用价值 ...

..... 沈涌海,施新颜,王智毅,等 (2867)

子宫压迫缝合术对患者凝血功能和创伤应激指标的影响

..... 顾荣华 (2870)

- 血清 Adropin 水平在急性冠脉综合征患者预后判断中的价值 宋国威, 刘荣欣, 李立新, 等 (2873)
- 妊娠高血压患者血管内皮素、抵抗素、脑钠肽水平与患者病情及妊娠结局的关系 牟丹 (2876)
- miR - 155 在喉鳞癌中的表达及其临床意义 马志超, 江波, 陶宝鸿, 等 (2879)
- 老年糖尿病合并冠心病基质金属蛋白酶 9、D - 二聚体和纤维蛋白原水平变化及临床意义 杨建村 (2882)
- ABO 血型与冠心病的相关性研究 王丽阳, 许亚亚, 张颖, 等 (2885)
- 六味地黄丸加减对 2 型糖尿病患者免疫功能、白细胞介素 -6、肿瘤坏死因子 - α 及临床预后的影响
..... 吴玉兰 (2888)
- 茵栀黄口服液与清蛋白对新生儿黄疸的疗效及对超敏 C - 反应蛋白、甲胎蛋白、转铁蛋白水平的影响
..... 金克, 胡青青, 钱燕, 等 (2891)
- 降钙素原免疫层析定量检测系统的性能验证和评价 黄彩虹, 吕岩 (2894)
- 白细胞介素 -6 和肿瘤坏死因子测定试剂盒在仪器 IMMULITE1000 化学发光分析仪的性能验证
..... 张丽, 孙胜利, 陈倩, 等 (2897)
- ### 调查 · 监测
- 2015 年 - 2017 年义乌市居民碘盐监测结果分析 郑建珍, 楼颖伟, 商岚青 (2901)
- 2011 年 - 2014 年二连浩特市流感监测结果分析 杨劲夫, 段晓霞 (2903)
- 南通市流感病毒监测结果质量评价探讨 陆娟, 张宏萍, 熊海平, 等 (2907)
- 2017 年杭州地区集中式消毒餐具卫生状况调查 丁益民, 李峰, 黄利明 (2909)

- 妊娠期女性外周血红细胞参数参考区间的调查 邝恬,陈碎朋,杜兵,等 (2912)
- 2017 年重庆市渝北区碘缺乏病监测结果分析 杨婧,龚志华,黄顺利,等 (2915)
- 2015 年 - 2017 年桐庐县食源性特定病原菌监测结果分析 叶倩,钟康义,陆震宇,等 (2918)
- 高龄患者气管插管全麻术后肺部感染的病原菌特点及危险因素分析 陈晓丽,徐珊 (2921)
- 慢性心力衰竭患者发生肺部感染的危险因素分析 陈婉婉,葛可法,任栋兵 (2924)
- 沈阳市 2011 年 - 2015 年食源性致病菌监测沙门菌多位点可变数量串联重复序列分型
..... 连英姿,刘虎生,郝富智,等 (2927)
- 温州市市售奶粉蜡样芽胞杆菌污染情况调查及毒力基因分析 谢爱蓉,吴可可,李毅,等 (2930)
- 义乌市入境发热人群传染病分析 王莹,朱列波,王利健,等 (2933)
- 丽水市莲都区吸毒人员行为特征及性病、艾滋病感染情况分析 陈晓蕾,邱理杨,陶桃,等 (2935)

经验交流

- 阿尔茨海默病患者血浆非酶类抗氧化物水平的研究 查显友,周燕 (2939)
- 浓缩血小板保存过程代谢及体外特性变化研究 周斌,纪勇平,黄艳,等 (2942)

责任编辑 张舒

责任校对 陈欣欣

英文编辑 张蒙 田辉

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991 , Volume 28 Number 23 December 10, 2018

Managed by

National Health and Family Planning Commission
of the People's Republic of China
No. 1, Xizhimen Wainan Road, Xicheng District, Beijing, 100044

Sponsored by

Chinese Preventive Medicine Association
Floor 5, No. 25 Huaweli, Chaoyang District, Beijing, 100021

Honorary Editor - in - chief

CONG Yu - long

President

ZHANG Shao - wu

Editor - in - chief

XU Ying - chun

Assistant of Chief Editor

ZHANG Hui

Executive Deputy President

YANG Shi

Deputy President

ZHANG Tian, JIANG You - zhen

Deputy Editor - in - chief(in Surname Stroke Order)

SHEN Li - song, LI Yong - zhe, LI Gui - ying,
ZHANG Ke - rong, YING Bin - wu, YU Qing -
fu, LIN Li - kai, JIANG Xiao - feng, XU Guo -
bin, CHENG Wei

Director of Editorial Department

YANG Feng

Edited by

Editorial Board of Chinese Journal of Health Laboratory Technology

Published by

Editorial Department of Chinese Journal of Health Laboratory Technology
Mailbox 2288, No. 12, Jingyi Road, Zhengzhou, 450003

Editorial office telephone

0371 - 65978342
0371 - 65968289 (Fax)

Advertising department telephone

0371 - 65998851
15538110112

Domestic Distributor

Beijing Post Bureau
Code: 80 - 152

Overseas Distributor

China International Book Trading Corporation
(P. O. Box 399, Beijing, China)
Code: M5752

Website

www.zgwsjt.cn

E - mail

wsjyzz@126.com

Standard Series Number

ISSN 1004 - 8685
CN 41 - 1192/R

Copyright 2018 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price

RMB ¥ 38

CONTENTS IN BRIEF

Original Articles

- Changes and correlation studies of *Bifidobacteria* and *Enterococcus* in old patients with chronic obstructive pulmonary disease** ZHU Jian - jun, LU Hong - guo, HU Zhi - wei, et al (2817)
- Significance and expression of Toll - like receptor 2 in peripheral blood monocytes from active tuberculosis patients** WANG Xu - shan, LI Jing, WANG Min, et al (2820)
- Effect of astragalus polysaccharide combined with 5 - FU on apoptosis of CD133⁺ cells in osteosarcoma cell line MG63 and its molecular mechanism** TANG Xiao - dong (2825)
- Simultaneous determination of eighteen antibiotics residues in fish and shrimp by high performance liquid chromatography - tandem mass spectrometry** LI Ying, SUN Jue, LI Feng (2830)
- Chemical Detection Method**
- Simultaneous determination of lead, arsenic, mercury and cadmium in liver by fast wet digestion - ICP - MS** WANG Xin - mei, WU Si - lin, YANG Ren - kang, et al (2835)
- Dynamic analysis of paraquat residue in edible shoots from bamboo forest** LEI Yong - liang, LI Qi, CHEN Yan - fei, et al (2838)

- Determination of terbutaline, salbutamol, ractopamine, and clenbuterol residues in meat samples based on mixed – cationic exchange solid – phase extraction and liquid chromatography – tandem mass spectrometry**
..... PAN Sheng – dong, YE Mei – jun, WANG Li, et al (2841)

Experimental Study

- Detection significance of Bid mRNA and protein expression at asthmatic rat lung tissue**
..... JIANG Zhen – feng, FAN Guang – min, LUO Dong – jiao, et al (2845)

Microbe Detection Method

- A study on the epidemiological characters of *Yersinia enterocolitica* in Lu'an**
..... ZHANG Feng, GAO Da – wei, CHANG Hong – wei, et al (2848)

- Identification and molecular characteristic analysis of a novel avian influenza A(H5N6) virus from live poultry markets**
..... CHEN La – mei, LV Jun, TANG Yong – jun (2851)

- Drug resistance characteristics and genotypes of *Escherichia coli* and *Klebsiella pneumoniae* in bloodstream infections**
..... GUO Liang, ZHANG Chuan – ling, WANG Bai – yong (2855)

- Species distribution and drug resistance of pathogenic bacteria in joint cavity PANG Jie – ru (2859)**

Clinical Laboratory Test

- Phenotype and gene analysis of a family with hereditary coagulation factor V deficiency**
..... DU Chang – bao, YANG Ting, ZHU Jin, et al (2863)

- The application value of anti – Müllerian hormone and free testosterone index in the diagnosis of polycystic ovary syndrome**
..... SHEN Yong – hai, SHI Xin – yan, WANG Zhi – yi, et al (2867)

- Effect of uterine compression suture on blood coagulation function and trauma stress index in patients undergoing uterine compression suture**
..... GU Rong – hua (2870)

- The value of serum Adropin levels in prognosis of patients with acute coronary syndrome**
..... SONG Guo – wei, LIU Rong – xin, LI Li – xin, et al (2873)

- Relationship between vascular endothelial growth factor, resistin and brain natriuretic peptide levels and disease state, pregnancy outcome in patients with pregnancy induced hypertension** MOU Dan (2876)
- Expression and significance of miR - 155 in laryngeal squamous cell carcinoma**
..... MA Zhi - chao, JIANG Bo, TAO Bao - hong, et al (2879)
- Changes and significance of fibrinogen fibers, D - dimer, Matrix metalloproteinase - 9 levels in elderly diabetes mellitus with coronary heart disease** YANG Jian - cun (2882)
- Study on the correlation between ABO blood group and coronary heart disease**
..... WANG Li - yang, XU Ya - ya, ZHANG Ying, et al (2885)
- Effect of Six Ingredient Rehmannia Pill on immune function, IL - 6, TNF - α and clinical prognosis in patients with type 2 diabetes mellitus** WU Yu - lan (2888)
- Effect of Yinzhihuang oral liquid and albumin on neonatal jaundice and its influence on hs - CRP, AFP and TRF levels** ...
..... JIN Ke, HU Qing - qing, QIAN Yan, et al (2891)
- Performance verification and evaluation of procalcitonin immunochromatographic quantitative detection system**
..... HUANG Cai - hong, LV Yan (2894)
- Performance verification of interleukin - 6 and tumor necrosis factor assay kit by IMMULITE1000 chemiluminescence analyzer**
..... ZHANG Li, SUN Sheng - li, CHEN Qian, et al (2897)
- Investigation and Monitoring**
- Detection results analysis of iodized salt in Yiwu from 2015 to 2017**
..... ZHENG Jian - zhen, LOU Ying - wei, SHANG Lan - qing (2901)
- Detection results analysis of influenza in Erenhot during 2011 - 2014** YANG Jing - fu, DUAN Xiao - xia (2903)
- Quality evaluation of influenza virus monitoring results in Nantong**
..... LU Juan, ZHANG Hong - ping, XIONG Hai - ping, et al (2907)
- Sanitary status of centralized sterilized tableware in Hangzhou City in 2017**
..... DING Yi - min, LI Feng, HUANG Li - ming (2909)

- Research on parameter reference interval of peripheral blood erythrocytes in women during pregnancy**
..... MI Tian, CHEN Sui - peng, DU Bing, et al (2912)
- Analysis of monitoring results of iodine deficiency disease in Yubei District of Chongqing in 2017**
..... YANG Jing, GONG Zhi - hua, HUANG Shun - li, et al (2915)
- Monitoring results analysis of food borne pathogenic bacteria in Tonglu County from 2015 to 2017**
..... YE Qian, ZHONG Kang - yi, LU Zhen - yu, et al (2918)
- Pathogenic bacteria characteristics and risk factors of pulmonary infection after tracheal intubation general anesthesia in elderly patients** CHEN Xiao - li, XU Shan (2921)
- Risk factors for pulmonary infection in patients with chronic heart failure**
..... CHEN Wan - wan, GE Ke - fa, REN Dong - bing (2924)
- Monitoring of *Salmonella* MLVA typing for food - borne pathogens in Shenyang from 2011 to 2015**
..... LIAN Ying - zi, LIU Hu - sheng, HAO Fu - zhi, et al (2927)
- Contamination survey and toxin genes distribution analysis of *Bacillus cereus* in milk powder in Wenzhou**
..... XIE Ai - rong, WU Ke - ke, LI Yi, et al (2930)
- Analysis of infectious diseases among inbound fever population in Yiwu City**
..... WANG Ying, ZHU Lie - bo, WANG Li - jian, et al (2933)
- To analyze the behavior characteristics, sexually transmitted diseases and HIV of registered drug addicts in Liandu District, Lishui** CHEN Xiao - lei, QIU Li - yang, TAO Tao, et al (2935)

Editor in Charge ZHANG Shu

Responsibility of Proofreading CHEN Xin - xin

English Editor ZHANG Meng TIAN Hui



科华甲功检测 品质值得信赖



性能好

ALP-AMPPD系统提高小分子检测性能，TSH灵敏度可达 $\leq 0.02 \mu \text{IU/mL}$



结果准

溯源至国际标准，TT3溯源至欧洲IRMM 469



检测快

采用双读数器，实现180恒速检测



成本省

随试剂附赠定标品，减少使用成本

- 促甲状腺激素（TSH）定量测定试剂盒
- 游离三碘甲状腺原氨酸（FT3）定量测定试剂盒
- 游离甲状腺素（FT4）定量测定试剂盒
- 总三碘甲状腺原氨酸（TT3）定量测定试剂盒
- 总甲状腺素（TT4）定量测定试剂盒

- 注册证编号：沪械注准20142400112
- 注册证编号：沪械注准20142400109
- 注册证编号：沪械注准20142400110
- 注册证编号：沪械注准20142400111
- 注册证编号：沪械注准20142400107

- 甲状腺球蛋白（Tg）定量测定试剂盒
- 抗甲状腺过氧化物酶抗体（Anti-TPO）测定试剂盒
- 抗甲状腺球蛋白抗体（Anti-Tg）测定试剂盒
- 卓越C1800、C1820全自动化学发光测定仪

- 注册证编号：沪械注准20162400243
- 注册证编号：沪械注准20172400721
- 注册证编号：沪械注准20172400722
- 沪食药监械（准）字2014第2401160号

上海科华生物工程股份有限公司（证券代码 002022）
地址：上海市徐汇区钦州北路1189号 电话：021-64850088（总机）
全自动化学发光测定仪由上海科华实验系统有限公司生产 | 试剂盒由上海科华生物工程股份有限公司生产
沪械械广审（文）第2018114449号 | 禁忌内容或注意事项详见说明书

创新 启动未来
THE FUTURE
STARTS WITH INNOVATION