



ISSN 1004-8685

CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2016年5月 第26卷 第9期

May.2016 Vol.26 No.9

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

中国科技论文统计源期刊(中国科技核心期刊)
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

9

2016

ISSN 1004-8685



9 771004 868163

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

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

半月刊 1991 年创刊 第 26 卷 第 9 期 2016 年 5 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,北京市朝阳区劲松东口华泰饭店

社长总编

张绍武

副社长

张甜 姜友珍

副总编

郁庆福 李桂英 张克荣

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

出版日期

2016 年 5 月 10 日

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

广告经营许可证号

4100004000124

2016 年版权归中国卫生检验杂志社所有

定 价

每期 21.50 元

目 次

论 著

- 甘肃省武威市 2011 年 - 2014 年腹泻住院儿童病毒性腹泻病原谱及 A 组轮状病毒基因分型变迁研究 汪鹏, 康倩, 梁舒, 等 (1217)
广州与佛山地区 2014 年登革病毒基因型特征研究
..... 罗招凡, 张凤宜, 潘昆贻, 等 (1219)
新型压电 DNA 石英传感器快速检测结核分枝杆菌
..... 崔小莹, 徐超, 陈文, 等 (1223)

化学测定方法

- 速测盒法快速检测果蔬中拟除虫菊酯类农药残留
..... 谢俊平, 黄秋婷, 刘君, 等 (1229)
高效液相色谱 - 荧光检测器法测定面粉中的尿素
..... 刘卿, 宋书锋 (1232)
卫生巾中可迁移性荧光增白剂 VBL 的 2 种化学测定方法对比
..... 安凤秋, 董祥芝, 李庆, 等 (1234)
气相色谱法同时测定突发公共卫生事件中毒样品中的多种有机磷农药
..... 李勇竞, 郑妹凤, 张丽珺, 等 (1237)

食品与药品检验

- 固相萃取 - 气相色谱 - 质谱法测定乳及乳制品中 16 种邻苯二甲酸酯类化合物 高晓明, 乔庆东, 黎娟, 等 (1241)

本刊编委 (排名按笔画排列)

丁家华 仓公敖 方赤光 王 哲
王大宁 王志玉 王京宇 王栩东
毋福海 冯晓燕 叶能权 毕永毅
刘秀梅 刘殿武 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 李晓虹 宋宏彬
吴清平 杨 元 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 曹润武
晁福寰 崔 巍 常风启 黄国伟
康 辉 康维钧 韩玉霞 曾现伟
窦志勇 溥 萍 阙 飘 廖百森
裴少军 裴晓方 谭晓东 熊 英
潘 慧 冀元棠

Editorial Board Member

DING Jia - hua, CANG Gong - ao, FANG Chi - guang, WANG Zhe, WANG Da - ning, WANG Zhi - yu, WANG Jing - yu, WANG Xu - dong, WU Fu - hai, FENG Xiao - yan, YE Neng - quan, BI Yong - yi, LIU Xiu - mei, LIU Dian - wu, LV Chang - yan, 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 Xiao - hong, SONG Hong - bin, WU Qing - ping, YANG Yuan, 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, CAO Run - wu, CHAO Fu - huan, CUI Wei, CHANG Feng - qi, HUANG Guo - wei, KANG Hui, KANG Wei - jun, HAN Yu - xia, 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

网 址

www.zgwsjy.cn

投稿电子信箱

wsjzz@126.com

印 刷

鑫宏源印刷包装有限责任公司

来稿咨询电话

010 - 84030401

微生物检测方法

- TaqMan 探针双重荧光 PCR 法检测副溶血性弧菌毒力基因
..... 高世光,李莉,冯华炜,等 (1244)

基于多重逆转录 - 聚合酶链式反应和毛细管电泳的腹泻病原体多重检测
体系建立 马拥军,吴勇,胡少龙,等 (1247)

一起椰毒假单胞菌酵米面亚种食物中毒分离鉴定方法的改进
..... 李晓瑜,杨祖顺,国译丹,等 (1251)

白色念珠菌快速免疫层析法的临床应用
..... 莫翼军,翁儿,郭飞,等 (1254)

- 原代鸡胚成纤维细胞中的污染微生物分析
..... 王春华,黄伟荣,丁玉江 (1256)

- 3 种不同方法检测围产期 B 群链球菌感染的临床应用对比
..... 张秋菊,王利英,刘志磊,等 (1258)

1 株卵磷脂酶阴性蜡样芽孢杆菌的鉴定分析
..... 李磊,刘小青,严琼英,等 (1260)

- 儿童咽拭子中金黄色葡萄球菌肠毒素的测定及耐药分析
..... 杨建新,李艳宇,高鹏 (1263)

- 线性探针技术在丽水地区结核菌耐药检验中的应用
..... 雷永良,雷丽倩,王晓光,等 (1265)

临床检验

- 辽宁省首次实验室确诊 1 例先天性风疹综合征患儿
..... 郝爽,王艳,马艳,等 (1268)

Nugent 及 Donders 评分在细菌性阴道病合并需氧菌性阴道炎患者诊治中
的临床应用 李桂军,赵蔚,周建娟 (1270)

C - 反应蛋白、纤维蛋白原及血小板与肺癌患者预后的关系研究
..... 张敏,杨晓,徐笑红 (1273)

- 非霍奇金淋巴瘤患者乙型肝炎病毒感染情况分析 舒媚,陈文虎,吴振兴,等 (1276)
抑制素 A 在孕中期唐氏综合征产前筛查中的应用 冷建杭,怀磊,黄芳,等 (1278)
运用 ROC 曲线评估 IL - 6 对轻症肺炎中支原体感染的诊断意义 施红波,杜青,竺乖叶,等 (1281)
外周血胃泌素释放肽前体和神经元特异性烯醇化酶在小细胞肺癌中的应用 孙书美,李飞,徐友文,等 (1283)
抗核抗体和抗心磷脂抗体对宫颈机能不全孕妇的临床意义 高琳,徐友文,王佐君 (1285)
2 型糖尿病患者血清中游离脂肪酸与血糖及胰岛素抵抗关系的探讨 胡彩虹,王文修,张涛,等 (1288)
动态降钙素原监测指导 ICU 脓毒症患者抗菌药物使用及其临床价值分析 张芳琼 (1291)
郑州地区 560 例不孕症妇女阴道微生态分析 郑阳,刘旭华,刘志磊 (1294)

分子诊断与基因检测

- 同源异型盒基因 *HoxD10* 对鼻咽癌恶性生物学行为的调控作用研究 金巧智,孟易禹,黄栋栋,等 (1297)

监测分析

- 延安市 2012 年 – 2015 年皮肤病门诊梅毒分析 马莉,马小娜,景彩霞,等 (1301)
2011 年 – 2015 年丽水市男男性行为人群艾滋病传播风险分析 邱理杨,雷永良,李彦林,等 (1303)
120 例慢性特发性荨麻疹生物共振技术检测变应原结果分析 杨素莲,卢荣标,尹颂超,等 (1305)
南宁市美沙酮门诊人类免疫缺陷病毒、丙型肝炎病毒和梅毒检测结果分析 潘海西,李苑,梁雪坚,等 (1308)
深圳市罗湖区 2010 年 – 2014 年市售水产品受食源性致病菌污染状况分析 黎剑华,赵洁玲,卓菲,等 (1310)
2014 年 – 2015 年秦皇岛市水产品监测结果分析 袁玉荣,时晨,安秋慧,等 (1313)
北京市昌平地区 2014 年冬季颗粒物 PM2.5 中典型污染物分析 刘达峰 (1315)

调查报告

- 黔南地区艾滋病重叠丙型肝炎、梅毒感染现状及其相关性研究 陆亭屹,王明祥,吴耀品,等 (1319)
1 241 例非依赖性假性血小板减少的临床分析 袁远,方美丹,卢国光 (1322)
6 651 例 0 岁 ~ 16 岁儿童维生素 D 营养状况调查分析 王慧燕,温怀凯,王玲莉,等 (1325)
晋陕豫黄河金三角地区三门峡市及平陆县近 5 年人间布鲁菌病流行病学调查
..... 张帅清,袁增明,张毅珍,等 (1328)
桐乡市人体重要寄生虫感染调查分析 张红芳,刘建,沈美清,等 (1332)

细菌耐药性研究

- 河南省腹泻患者沙门菌血清型及其耐药性变迁研究 穆玉姣,张白帆,赵嘉咏,等 (1335)
- 254 株志贺菌血清分型与耐药性和致病因子分析 毛联钢,许小敏,梁珊燕,等 (1339)
- 南通市鸡源空肠弯曲菌监测结果及耐药性分析 许海燕,苏婧,熊海平 (1343)
- 丽水市中心医院分离的 139 株鲍曼不动杆菌的耐药特征及同源性分析 刘素霞,江丽莉,周灵玲,等 (1346)
- 学龄前儿童下呼吸道感染肺炎链球菌的流行病学特征与耐药性变迁 王利民,吴俊琪,方寅飞 (1349)

教学与实验室管理

- 检测实验室仪器设备管理方法探讨 黄愈玲,黄冰,何晖,等 (1353)
- 饮用水中 5 种典型挥发性卤代烃标准样品研制 封跃鹏,邱赫男 (1356)

经验交流

- 漂粉精片替代氯胺 T 在氰化物测定中的探讨 吕华乙,吴文殿 (1359)
- 组织配型中一例反应格局不一致疑难样本的研究 胡笛,钱香,杨玮,等 (1361)

综 述

- 危险化学品硼酸的 GHS 分类和生殖毒性研究进展 于晓,吴晓蔚,卢健,等 (1363)
- 自身免疫性肝炎中 Th17/Treg 细胞平衡变化的研究进展 俞立飞,金洁 (1366)

责任编辑 张舒

责任校对 陈欣欣

英文编辑 张蒙

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 26 Number 9 May 10, 2016

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
Hua Thai Hotel, East Exit of Jinsong Road, Chaoyang District, Beijing, 100021

Editor in Chief

ZHANG Shao - wu

Deputy Chairman

ZHANG Tian, JIANG You - zhen

Associate Editor in Chief

YU Qing - fu, LI Gui - ying, ZHANG Ke - rong

Director of Editorial Department

YANG Feng

Edited by

Editorial Board of Chinese Journal of Health Laboratory Technology

Editorial office telephone

0371 - 65978342
0371 - 65968289 (Fax)

Advertising department telephone

0371 - 65998851
15538110112

Publication Date

May 10, 2016

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.zgwsjy.cn

E - mail

wsjzz@126.com

Standard Series Number

ISSN 1004 - 8685
CN 41 - 1192/R

Advertising Management License

4100004000124

Copyright 2016 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price

RMB ¥21.50

CONTENTS IN BRIEF

Original Articles

Research on the changes of virus diarrhea pathogen spectrum and group A rotavirus genotyping in hospitalized children with diarrhea in Wuwei of Gansu during 2011 - 2014 ... WANG Peng, KANG Qian, LIANG Shu, et al (1217)

Genotypic characteristics of dengue virus in Foshan and Guangzhou in 2014

..... LUO Zhao - fan, ZHANG Feng - yi, PAN Kun - yi, et al (1219)

A novel DNA piezoelectric quartz sensor for rapid detection of *Mycobacterium tuberculosis* CUI Xiao - ying, XU Chao, CHEN Wen, et al (1223)

Value of Th1/Th2 cell balance deviation in the occurrence mechanism of primary thrombocytopenic purpura

..... LUO Hong - qiang, ZHONG Yong - gen, ZHOU Guo - zhong, et al (1226)

Chemical Detection Method

Rapid detection of pyrethroid pesticide residues in fruits and vegetables by test kit XIE Jun - ping, HUANG Qiu - ting, LIU Jun, et al (1229)

Determination of urea content in flour by high performance liquid chromatography - combined with fluorescence detection

..... LIU Qing, SONG Shu - feng (1232)

Comparison between 2 kinds of chemical testing methods for migratory fluorescent whitening agent VBL in sanitary pad

..... AN Feng - qiu, DONG Xiang - zhi, LI Qing, et al (1234)

Determination of organophosphorus pesticides in poisonous samples from public health emergency by gas chromatography

..... LI Yong - jing, ZHENG Mei - feng, ZHANG Li - jun, et al (1237)

Food and Drug Inspection

- The determination of 16phthalates in milk and dairy products by solid extravtion and gas chromatography – tandem mass spectrometry** GAO Xiao – ming, QIAO Qing – dong, LI Juan, *et al* (1241)

Microbe Detection Method

- Detection of *Vibrio parahaemolyticus* virulence – related genes using duplex fluorescence real – time PCR with TaqMan probe** GAO Shi – guang, LI Li, FENG Hua – wei, *et al* (1244)

- Establishment of multiple detection for diarrhea pathogens based on multiplex reverse transcription – PCR and capillary electrophoresis** MA Yong – jun, WU Yong, HU Shao – long, *et al* (1247)

- An improvement on isolation and identification method for an event of *Pseudomonas cocovenenans* subtype *Farino fermentans* food poison** LI Xiao – li, YANG Zu – shun, GUO Yi – dan, *et al* (1251)

- Clinical application of rapid immunochromatography of candida albicans** MO Yi – jun, WENG Er, GUO Fei, *et al* (1254)

- Microbial contamination analysis in primary chicken embryo fibroblast cells** WANG Chun – hua, HUANG Wei – rong, DING Yu – jiang (1256)

- Evaluation of three methods for screening group B streptococcus from perinatal women** ZHANG Qiu – ju, WANG Li – ying, LIU Zhi – lei, *et al* (1258)

- Identification and analysis of a lecithinase negative *Bacillus cereus*** LI Lei, LIU Xiao – qing, YAN Qiong – ying, *et al* (1260)

- Enterotoxin detection and drug resistance of *Staphylococcus aureus* in children's throat swabs** YANG Jian – xin, LI Yan – yu, GAO Peng (1263)

- Application of HAIN technology in TB drug resistance testing in Lishui** LEI Yong – liang, LEI Li – qian, WANG Xiao – guang, *et al* (1265)

Clinical Laboratory Test

- The first laboratory diagnosis of a congenital rubella syndrome child in Liaoning** HAO Shuang, WANG Yan, MA Yan, *et al* (1268)

- Clinical application of Nugent and Donders scores in the diagnosis and treatment of bacterial vaginosis combined with aerobic vaginitis** LI Gui – jun, ZHAO Wei, ZHOU Jian – juan (1270)

- Relationship between C – reactive protein, fibrinogen, blood platelet and prognosis in lung cancer patients** ZHANG Min, YANG Xiao, XU Xiao – hong (1273)

Analysis of hepatitis B virus infection status in patients with non – Hodgkin lymphoma	.....	SHU Mei, CHEN Wen – hu, WU Zhen – xing, <i>et al</i> (1276)
Application of inhibin – A in the pregnantal screening of Down’s syndrome at the mid – pregnancy trimester	.....	LENG Jian – hang, HUAI Lei, HUANG Fang, <i>et al</i> (1278)
Diagnostic value of IL – 6 evaluation by ROC curve for the mycoplasma infection of mild pneumonia	.....	SHI Hong – bo, DU Qing, ZHU Guai – ye, <i>et al</i> (1281)
Application of peripheral blood ProGRP and neuron-specific enolase in the diagnosis of small cell lung cancer	.....	SUN Shu – mei, LI Fei, XU You – wen, <i>et al</i> (1283)
Clinical significance of antinuclear antibody and anticardiolipin antibody to pregnant women diagnosed with cervical incompetence	.....	GAO Lin, XU You – wen, WANG Zuo – jun (1285)
Investigation on the relationship between type 2 diabetes in serum free fatty acid, blood glucose and insulin resistance	.....	HU Cai – hong, WANG Wen – xiu, ZHANG Tao, <i>et al</i> (1288)
Dynamic procalcitonin monitoring guiding antimicrobial drug use on ICU patients with sepsis and analysis of its clinical value	.....	ZHANG Fang – qiong (1291)
Vaginal micro – ecological analysis of 560 cases of infertile women in Zhengzhou	.....	ZHENG Yang, LIU Xu – hua, LIU Zhi – lei (1294)
Molecular Diagnosis and Gene Detection		
Adjustment effect of homeobox gene D10 on malignant biological behaviors of human nasopharyngeal carcinoma	.....	JIN Qiao – zhi, MENG Yi – yu, HUANG Dong – dong, <i>et al</i> (1297)
Monitoring and Analysis		
Analysis of syphilis in the dermatological venereal disease divisions of Yan’ an during 2012 – 2015	.....	MA Li, MA Xiao – na, JING Cai – xia, <i>et al</i> (1301)
Analysis of human immunodeficiency virus spread risks among men who have sex with men crowd from 2011 to 2015 in Lishui	.....	QIU Li – yang, LEI Yong – liang, LI Yan – lin, <i>et al</i> (1303)
Analysis of allergy testing results of 120 chronic idiopathic urticaria cases with bioresonance technology	.....	YANG Su – lian, LU Rong – biao, YIN Song – chao, <i>et al</i> (1305)
Analysis of human immunodeficiency virus, hepatitis C virus and syphilis detection at methadone clinic in Nanning	.....	PAN Hai – xi, LUAN Yuan, LIANG Xue – jian, <i>et al</i> (1308)
Analysis of food – borne pathogenic bacteria contamination status in retailed aquatic products in Luohu district of Shenzhen from 2010 to 2014	.....	LI Jian – hua, ZHAO Jie – ling, ZHUO Fei, <i>et al</i> (1310)

- Analysis of the monitoring results of aquatic products in Qinhuangdao during 2014 – 2015**
..... YUAN Yu – rong, SHI Chen, AN Qiu – hui, et al (1313)
- Analysis of typical pollutants in air fine particulate matter PM2. 5 in Changping district of Beijing during the winter of 2014**
..... LIU Da – feng (1315)

Investigation Report

- The overlapping infection status and the related research of syphilis and hepatitis C virus with AIDS in Qiannan areas**
..... LU Ting – yi, WANG Ming – xiang, WU Yao – pin, et al (1319)
- Clinical analysis of 1 241 patients with non dependent pseudo thrombocytopenia**
..... YUAN Yuan, FANG Mei – dan, LU Guo – guang (1322)
- Investigation and analysis of vitamin D nutritional status in 6 651 children at 0 – 16 years old**
..... WANG Hui – yan, WEN Huai – kai, WANG Ling – li, et al (1325)
- Epidemiological investigation on human brucellosis in Sanmenxia and Pinglu of the golden triangle region of the Yellow River Jin Shan Yu in recent 5 years**
..... ZHANG Shuai – qing, YUAN Zeng – ming, ZHANG Yi – zhen, et al (1328)
- Analysis of human parasitic infection investigation in Tongxiang**
..... ZHANG Hong – fang, LIU Jian, SHEN Mei – qing, et al (1332)

Bacterial Resistance Research

- Study on the changes of *Salmonella* serotypes and drug resistance in patients with diarrhea in Henan**
..... MU Yu – jiao, ZHANG Bai – fan, ZHAO Jia – yong, et al (1335)
- Analysis of serum typing, drug resistance and virulence factors of 254 strains of *Shigella***
..... MAO Lian – gang, XU Xiao – min, LIANG Shan – yan, et al (1339)
- Monitoring results and antibiotic – resistance analysis of chicken – resource *Campylobacter jejuni* in Nantong**
..... XU Hai – yan, SU Jing, XIONG Hai – ping (1343)
- Drug resistance characteristics and homological analysis of 139 isolates of *Acinetobacter baumannii* in Lishui Central Hospital**
..... LIU Su – xia, JIANG Li – li, ZHOU Ling – ling, et al (1346)
- Epidemiological characteristics and drug resistance changes of *Streptococcus pneumoniae* in lower respiratory tract infection of preschool children**
..... WANG Li – min, WU Jun – qi, FANG Yin – fei (1349)

Editor in Charge ZHANG Shu

Responsibility of Proofreading CHEN Xin – xin

English Editor ZHANG Meng

3M 霉酵 新突破

快速出结果
只需48小时

- 方便使用和判读
- 性能卓越
- 适用样品广泛
- 结果可靠
- 节省劳动力

3M 中国有限公司

总办事处

上海市长宁区仙霞路99号尚嘉中心16楼 邮编: 200336 电话: 86-21-62753535 传真: 86-21-62752343

3M