



ISSN 1004-8685
CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2016年6月 第26卷 第12期

Jun.2016 Vol.26 No.12

国家卫生和计划生育委员会主管
中华预防医学会主办

CHINESE
JOURNAL OF HEALTH
LABORATORY TECHNOLOGY

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

12

2016

ISSN 1004-8685



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 12 期 2016 年 6 月 25 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 6 月 25 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

- 持续 HBsAg 高定量与经抗病毒治疗后发生肝癌的关系
..... 张绍全,麦丽,严颖,等 (1673)
- 体检女性血糖血脂分析及与雌二醇的相关研究
..... 陈坚,王瑜敏,余方友,等 (1676)
- 研究国产 TB - IGRA 试剂盒在涂片阴性肺结核诊断中的应用.....
..... 徐正才,祝进,郑美霞,等 (1680)
- E - 钙粘蛋白基因甲基化在胃癌发展中的机制研究
..... 康丽霞,杨秀珍,李冬霞,等 (1683)

化学测定方法

- 电感耦合等离子体质谱法测定 PM2.5 中 12 种元素
..... 李延升,聂莉,祁珍祯,等 (1686)
- 超高效液相色谱串联三重四极杆质谱法快速测定人血清中双酚 A 和
4 - 叔丁基苯酚 朱传新,郑艳容 (1689)

实验研究

- 耐甲氧西林金黄色葡萄球菌细胞膜 20 肽重组蛋白的表达和鉴定
..... 崔凡,李良恁,周敬敬 (1693)

食品与药品检验

- 白云机场口岸 2010 年 - 2014 年进口水产品中单核细胞增生李斯特菌
的检测 邓艳,何淑华,黄燕琼,等 (1696)

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 王凯娟
王树东 毋福海 冯晓燕 叶能权
毕永毅 刘秀梅 刘玉龙 刘运德
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
晁福宸 崔 巍 常风启 黄国伟
康 辉 康维钧 韩玉霞 曾现伟
窦志勇 溥 萍 阚 飒 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 Kai - juan,
WANG Xu - dong, WU Fu - hai, FENG Xiao -
yan, YE Neng - quan, BI Yong - yi, LIU Xiu -
mei, LIU Yu - long, LIU Yun - de, 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 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

wsjyzz@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

不同干扰素体外释放酶联免疫试剂在结核病诊断中的应用价值比较 ...
..... 彭春仙,刘小香,卢伟力,等 (1699)

深圳福田地区副溶血性弧菌分子分型数据库的建立与分析
..... 张金金,莫浩联,张勇,等 (1702)

应用多重荧光定量 RT - PCR 技术检测麻疹病毒的适用性分析.....
..... 单元春,周剑惠,王爽,等 (1706)

濮阳市首次柯萨奇病毒 A6 实验室检测
..... 张清杰,徐国锋,张玉华,等 (1708)

2014 年 - 2016 年楚雄州外环境标本高致病性禽流感病毒核酸检测分析
..... 丁启能,周璐,彭春娇,等 (1711)

临床检验

慢性乙型肝炎病毒感染患者血清糖类抗原 CA19 - 9 检测的临床价值探讨
..... 卢勤红,高国生,胡爱荣,等 (1714)

2 型糖尿病肾病患者血清血管紧张素转换酶活性检测及其意义
..... 杨雅芸,高国生 (1717)

老年高脂血症患者肝功能酶学指标变化研究
..... 张蕾,姜润涵,孙雯,等 (1720)

胃泌素释放肽前体在小细胞肺癌鉴别诊断和疗效监测中的临床价值 ...
..... 潘志文,朱静,吴杰,等 (1722)

曲安奈德、玻璃酸钠联合硫酸氨基葡萄糖治疗膝骨性关节炎疗效评价...
..... 陈明,王丹娜,高福明,等 (1725)

尿胱抑素 C 和 $\alpha 1$ - 微球蛋白在糖尿病肾病诊断中的研究.....
..... 朱谨宏,王有奎,吕海宏,等 (1729)

动态监测超敏 C - 反应蛋白和降钙素原在新生儿重症细菌感染性疾病预
后中的应用价值 吴宏伟,刘金凤,李伟,等 (1731)

儿童过敏性结膜炎过敏原检测的临床意义	覃文周	(1734)
降钙素原在慢性阻塞性肺疾病合并心力衰竭伴肺部感染中的临床应用	陈丽丽,胡型忠	(1736)
肾病综合征患者检测凝血指标的临床意义	徐晓红	(1739)
检测子痫前期患者随机尿 IgG 与尿肌酐比值的临床意义	孙素玉,胡型忠,沈旭娜	(1741)
无机骨中碳酸盐含量测定法的研究	黎隽,王亚棋,贺娟	(1744)
免疫球蛋白水平对乙肝患者的临床意义	李彩	(1747)
大肠癌患者血清肿瘤标志物检测的临床意义	叶平江,张丽华,谢科杰	(1749)

分子诊断与基因检测

IL28B 基因与慢性乙型肝炎干扰素治疗应答的关系	黄小华,陆建龙,余建华,等	(1752)
医护人员 MRSA 定值与 mecA 基因携带的危险因素分析	汪永强,李传达,袁平宗,等	(1755)
舟山海岛鼠伤寒沙门菌肠毒素基因序列特征分析	俞丹凤,张舟听,王忠发,等	(1757)

监测分析

2015 年鄂尔多斯市手足口病病原学监测结果分析	徐萌杰,祁美荣,蔺权德,等	(1761)
儿童细菌性或病毒性脑膜炎患者血清降钙素原的检测	卢勤红,王家学	(1764)
太原市食品安全风险监测结果分析	王波,高瑞红,张晓华,等	(1767)
泰州市桶装饮用水中铜绿假单胞菌的污染监测	杨娟,蔡震,徐妍	(1771)
西昌市辖区个体诊所近 10 年消毒效果监测分析	马驰	(1773)
呼和浩特市 2015 年健康人群麻疹、风疹抗体水平监测分析	刘小平,李娜,任先云,等	(1775)
2014 年 - 2015 年合肥地区不明原因肺炎病例流感病毒核酸检测结果分析	汪秀琴,张文艳,金晶	(1777)
石家庄市新发现主动求询男男性行为人群 HIV 感染者首次 CD4 ⁺ T 淋巴细胞检测分析		
.....	刘淑君,王险峰,周红,等	(1780)

调查报告

62 所实验室 AFP 项目在室间质评和室内质控比对的比较分析	宋超,单志明,康凤凤,等	(1782)
漯河市儿童尿钙含量的分析研究	刘高丽,谷存国,王洁	(1786)

西非马里 Duffy 血型抗原分布	洪慧东, Boubacar Sidiki I. Dramé, Mamary Keita, 等	(1788)
新会区铅作业人员血铅和血锌原卟啉测定结果探讨	李银凤, 冯婉丽, 梁玉潮, 等	(1790)
MSM 人群艾滋病、梅毒感染状况调查	王永	(1792)

细菌耐药性研究

恶性肿瘤患者常见病原菌分布及耐药性监测	宋刚, 张振, 沈晔, 等	(1795)
2012 年 - 2014 年粘质沙雷菌的临床分布及耐药性分析	陈焕, 李娟	(1799)
116 例耐多药结核分枝杆菌临床分离株对 4 种注射用抗结核药物耐药及交叉耐药分析		
.....	车洋, 杨天池, 于梅, 等	(1802)
铜绿假单胞菌耐药性及抗生素压力下药敏监测分析	徐立冬, 曹春来, 董莉倩	(1805)
哺乳期与非哺乳期乳腺脓肿病原菌分布及耐药性比较	夏永生, 陈莉杰, 李刚	(1808)
对临床微生物检验及细菌耐药性的监测分析	魏琼	(1810)

教学与实验室管理

甘肃省基层鼠疫实验室生物安全管理体系建设现状分析	王鼎盛, 刘勇, 雷敏, 等	(1813)
县级医疗机构结核病实验室检验质量控制管理	申修贵	(1816)

经验交流

高效液相色谱法测定人甲氨蝶呤血药浓度的建立及应用	周鹏, 林忠, 厉世笑, 等	(1817)
突发事件中硼砂的应急检测	张利明, 李建, 王波, 等	(1820)
水中甲醛能力验证考核结果分析	董德泉	(1821)

综 述

动物源食品中雌激素检测方法研究进展	杜赛, 高何刚, 王若燕, 等	(1822)
-------------------------	-----------------	--------

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 26 Number 12 June 25, 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, Bei-
jing, 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 Labo-
ratory 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

Publication Date

June 25, 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

wsjyzz@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

Correlation between the persistent high HBsAg quantity and HCC after anti -
viral therapy ZHANG Shao - quan, MAI Li, YAN Ying, *et al* (1673)

Detection of estradiol and glucose and its correlation with lipid profile in physi-
cal examination females

..... CHEN Jian, WANG Yu - min, YU Fang - you, *et al* (1676)

Research on the clinical application of the domestic TB - IGRA kit in the rapid
diagnosis of smear - negative pulmonary TB

..... XU Zheng - cai, ZHU Jin, ZHENG Mei - xia, *et al* (1680)

Study on the mechanism of E - cadherin gene methylation in the process of gas-
tric cancer

..... KANG Li - xia, YANG Xiu - zhen, LI Dong - xia, *et al* (1683)

Chemical Detection Method

Determination of 12 elements in PM2.5 by inductively coupled plasma mass
spectrometry LI Yan - sheng, NIE Li, QI Zhen - zhen, *et al* (1686)

Rapid determination of bisphenol A and 4 - tert - butylphenol in human serum
by ultra - performance liquid chromatography coupled to tandem triple qua-

drupole mass spectrometry ... ZHU Chuan - xin, ZHENG Yan - rong (1689)

Experimental Study

Express and verification for cellular membrane 20 peptide recombination pro-
tein of methicillin - resistant *Staphylococcus aureus*

..... CUI Fan, LI Liang - yi, ZHOU Jing - jing (1693)

Food and Drug Inspection

Detection of the *Listeria Monocytogenes* in imported aquatic products from
Baiyun airport during 2010 - 2014

..... DENG Yan, HE Shu - hua, HUANG Yan - qiong, *et al* (1696)

Microbe Detection Method

Comparative research on the application value of different IGRA reagents in the diagnosis of tuberculosis
..... PENG Chun - xian, LIU Xiao - xiang, LU Wei - li, et al (1699)

The establishment and analysis of molecular classification database of *Vibrio parahaemolyticus* in Futian district, Shenzhen
..... ZHANG Jin - jin, MO Hao - lian, ZHANG Yong, et al (1702)

The applicability analysis of detecting measles virus by multiplex real - time fluorescent PCR
..... SHAN Yuan - chun, ZHOU Jian - hui, WANG Shuang, et al (1706)

The first laboratory testing of Coxsackievirus A6 in Puyang
..... ZHANG Qing - jie, XU Guo - feng, ZHANG Yu - hua, et al (1708)

Detection and analysis of nucleic acid testing on highly pathogenic avian influenza samples from external environment in Chuxiong prefecture during 2014 - 2016 DING Qi - neng, ZHOU Lu, PENG Chun - jiao, et al (1711)

Clinical Laboratory Test

Study of the clinical value of serum CA19 - 9 detection in patients with chronic hepatitis B virus infection
..... LU Qin - hong, GAO Guo - sheng, HU Ai - rong, et al (1714)

Clinical significance of serum angiotensin converting enzyme activity detection in type 2 diabetic nephropathy patients
..... YANG Ya - yun, GAO Guo - sheng (1717)

Study on the chances of liver function enzymes index in elder population with hyperlipidemia
..... ZHANG Lei, JIANG Run - han, SUN Wen, et al (1720)

Clinical significance of ProGRP in differential diagnosis and therapeutic effect in SCLC
..... PAN Zhi - wen, ZHU Jing, WU Jie, et al (1722)

Efficacy evaluation of triamcinolone acetonide, sodium hyaluronate combined with glucosamine sulfate in the treatment of knee osteoarthritis CHEN Ming, WANG Dan - na, GAO Fu - ming, et al (1725)

Research on the value of cystatin C and $\alpha 1$ - microglobulin in the diagnosis of diabetic nephropathy
..... ZHU Jin - hong, WANG You - kui, LV Hai - hong, et al (1729)

Value of dynamically monitoring hs - CRP and PCT in the prognosis of newborns with severe bacterial infection diseases ...
..... WU Hong - wei, LIU Jin - feng, LI Wei, et al (1731)

Clinical significance of allergens detection in children with allergic conjunctivitis QIN Wen - zhou (1734)

Clinical application of PCT in COPD combined with heart exhaustion and lung infection
..... CHEN Li - li, HU Xing - zhong (1736)

Clinical significance of blood coagulation in nephritic syndrome patients	XU Xiao - hong (1739)
The clinical significance of random IgG urinary and creatinine ratio detection in patients with preeclampsia	
.....	SUN Su - yu, HU Xing - zhong, SHEN Xu - na (1741)
Study on the determination methods of carbonate content in anorganic bone	LI Jun, WANG Ya - qi, HE Juan (1744)
Clinical significance of serum immunoglobulin levels for hepatitis B patients	LI Cai (1747)
Clinical research on the serum tumor markers detection in patients with colorectal cancer	
.....	YE Ping - jiang, ZHANG Li - hua, XIE Ke - jie (1749)
Molecular Diagnosis and Gene Detection	
Relationship between <i>IL28B</i> gene and response to interferon treatment in chronic hepatitis B patients	
.....	HUANG Xiao - hua, LU Jian - long, YU Jian - hua, <i>et al</i> (1752)
Analysis of the MRSA constant value and the risk factors of <i>mecA</i> gene in medical staff	
.....	WANG Yong - qiang, LI Chuan - da, YUAN Ping - zong, <i>et al</i> (1755)
Analysis of enterotoxin gene sequence characteristics of <i>Salmonella typhimurium</i> in Zhoushan	
.....	YU Dan - feng, ZHANG Zhou - ting, WANG Zhong - fa, <i>et al</i> (1757)
Monitoring and Analysis	
Analysis of the etiological monitoring results on HFMD in Ordos in 2015	
.....	XU Meng - jie, QI Mei - rong, LIN Quan - de, <i>et al</i> (1761)
Detection of serum procalcitonin levels in children with bacterial or viral meningitis	
.....	LU Qin - hong, WANG Jia - xue (1764)
Analysis of supervision results of food - borne pathogens in Taiyuan	
.....	WANG Bo, GAO Rui - hong, ZHANG Xiao - hua, <i>et al</i> (1767)
Surveillance of <i>Pseudomonas aeruginosa</i> contamination in barreled drinking water in Taizhou	
.....	YANG Juan, CAI Zhen, XU Yan (1771)
Monitoring and analysis of disinfection efficacy of private clinics in the last ten years in Xichang	MA Chi (1773)
Surveillance and analysis of measles, rubella antibody levels in healthy population in Huhhot in 2015	
.....	LIU Xiao - ping, LI Na, REN Xian - yun, <i>et al</i> (1775)
Analysis of the nuclein detection results of influenza virus among patients with unexplained pneumonia during 2014 - 2015 in Hefei	WANG Xiu - qin, ZHANG Wen - yan, JIN Jing (1777)

First detection and analysis of CD4⁺ T lymphocytes for newly found HIV – infected population in initiative counseling – seeking of MSM in Shijiazhuang LIU Shu – jun, WANG Xian – feng, ZHOU Hong, *et al* (1780)

Investigation Report

Comparative study of the quality evaluation capacity between IQCC and EQA on AFP in 62 laboratories SONG Chao, SHAN Zhi – ming, KANG Feng – feng, *et al* (1782)

Analysis of urinary calcium content in children of Luohe LIU Gao – li, GU Cun – guo, WANG Jie (1786)

Distribution of Duffy blood antigen in West African HONG Hui – dong, Boubacar Sidiki I. Dramé, Mamary Keita, *et al* (1788)

Investigation on the determination results of blood lead and ZPP among lead exposure workers in Xinhui district LI Yin – feng, FENG Wan – li, LIANG Yu – chao, *et al* (1790)

Investigation of AIDS and syphilis infection among MSM population WANG Yong (1792)

Bacterial Resistance Research

Surveillance of distribution and antimicrobial resistance of common pathogens in patients with malignant tumors SONG Gang, ZHANG Zhen, SHEN Ye, *et al* (1795)

Clinical distribution and drug resistance analysis of *Serratia marcescens* during 2012 – 2014 ... CHEN Huan, LI Juan (1799)

Analysis of drug resistance and cross resistance of clinical isolated *Mycobacterium tuberculosis* multi – drug resistant to 4 injectable anti – tuberculous drugs CHE Yang, YANG Tian – chi, YU Mei, *et al* (1802)

Analysis of drug – resistance of *Pseudomonas aeruginosa* and drug susceptibility under antibiotic pressure XU Li – dong, CAO Chun – lai, DONG Li – qian (1805)

Distribution and resistance comparison of the pathogen of breast abscess between lactation and non lactation XIA Yong – sheng, CHEN Li – jie, LI Gang (1808)

Analysis of the clinical microbiological testing and the antimicrobial resistance surveillance WEI Qiong (1810)

2016年6月26日

国际禁毒日

珍惜生命

远离毒品



中国卫生检验杂志公益广告