



中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2020年7月 第30卷 第13期

Jul.2020 Vol.30 No.13

国家卫生健康委员会主管
中华预防医学会主办

CHINESE
JOURNAL OF HEALTH
LABORATORY TECHNOLOGY

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

13

2020



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30卷 第13期 2020年7月10日出版

主管

国家卫生健康委员会
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 张建平
应斌武 杨涛 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:河南省邮政报刊发行局
邮发代号:36-45
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

2020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

固相萃取-超高效液相色谱-串联质谱法测定水样中17种磺胺类抗生素

..... 薛鸣,杨凡绪,金铨,等 (1537)

液质联用法检测保健食品中非法添加的13种5型磷酸二酯酶抑制剂

..... 谢柏艳,覃娟,杨玉平 (1542)

糖类抗原125、survivin在子宫内膜癌细胞中的表达及其与患者预后的

相关性研究 沈维维,沈柯炜,王加颖,等 (1546)

15位点重复单元-可变数目串联重复序列技术在河南地区结核分枝杆

菌的基因分辨率的对比分析研究 张国龙 (1551)

化学测定方法

便携式比色计在水中亚硝酸盐氮现场检测中的应用

..... 詹未,李勇,朱志勤,等 (1556)

微波消解-电感耦合等离子体质谱法同时测定虾蛄中15种元素

..... 罗娜 (1558)

常务编委 (排名按姓氏笔画排列)

丁家华 于维森 仓公敖
 方赤光 王 旻 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 汤乃军
 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 陆绍红
 宋宏彬 吴清平 杨 元
 张 蒙 张 曦 张万起
 张贺秋 邹学贤 房中则
 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 飒 廖百森 裴少军
 裴晓方 谭晓东 熊 英
 潘 慧 冀元棠 穆新林

青年编委 (排名按姓氏笔画排列)

丁 萍 王 硕 牛凌梅
 刘 欢 闫宏远 许宏敏
 汪 川 陈 曦 陈丽丽
 李 妍 李 萌 杨金玲
 杨胜园 邹晓莉 孟佩俊
 徐向东 董叶青

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

高效液相色谱 - 荧光法测定罂粟壳中罂粟碱

..... 袁鹏,李蕊,杨瑞春 (1562)

电感耦合等离子体质谱法直接测定维生素 B₁₂ 针剂中钴及有害元素铅、

镉、砷的含量 包先金 (1565)

微生物检测方法

一起 GI、G II 型诺如病毒混合感染疫情的病原鉴定及基因特征分析

..... 纪蕾,刘光涛,刘彬辉,等 (1567)

PCR - 荧光探针法在泌尿生殖道沙眼衣原体感染诊断及治愈判断中的价值

..... 邵卓,舒媚,孙爱华 (1571)

呼吸道病毒抗原抗体联合检测的临床应用价值 高巍 (1574)

2 种方法检测井水中大肠埃希菌结果对比分析 虞洋 (1577)

临床检验

冠心病患者亚甲基四氢叶酸还原酶和内皮型一氧化氮合酶基因串联重复

序列多态性与同型半胱氨酸水平相关性分析 赵唱,贺欣 (1580)

系统性红斑狼疮患者外周血 Th17 细胞和 Treg 细胞的表达及意义

..... 曹景宏,王恩智,周兴辉,等 (1584)

卡泊芬净治疗真菌血症患者的临床疗效及对血清炎症相关指标的影响

..... 徐胜华,高伟,倪兆斌 (1586)

不同类型乳腺黏液瘤的超声表现及临床特征分析

..... 宣兰萍,周碧华,姚培均 (1590)

肾损伤分子和中性粒细胞明胶酶相关脂质运载蛋白在 2 型糖尿病早期肾病中的临床应用	王姗姗,陈英刚,朱以军 (1593)
早孕期、中孕期和早中孕期整合母血清产前筛查胎儿常见染色体异常的效率	陈益明,张闻,卢莎,等 (1597)
人附睾蛋白 4 和 D-二聚体联合检测在卵巢肿瘤诊断中的应用	窦荣汉,周国明,张彬,等 (1601)
尿 Hepsidin 检测在缺铁性贫血早期诊断中的应用价值	王浩,许沉龙,周程程,等 (1604)
老年慢性阻塞性肺疾病急性加重期并发慢性心衰患者血浆同型半胱氨酸水平的变化及意义	徐汉文,陈华春 (1607)
血清超敏 C-反应蛋白在儿童支气管哮喘合并过敏性鼻炎患者中的变化及临床意义	缪海燕,周晓英,高玉凤 (1610)
甲状腺功能正常的妊娠糖尿病患者甲状腺激素水平与糖脂代谢的相关性	周荷玲,王珺,许春燕 (1613)
增强磁共振成像联合血清糖类抗原 19-9、糖类抗原 125、癌胚抗原检测对胰腺癌诊断准确性的分析	陈庆华,李彦君,王向明,等 (1616)
血清 C-反应蛋白联合降钙素原检测在肿瘤合并发热患者中鉴别诊断和疗效评估的临床价值	陈贤峰,王抒 (1620)
术前 C-反应蛋白/白蛋白和降钙素原对老年急性胆囊炎严重程度的预测价值	陈卫阳,张兴龙,丁文元 (1623)
乌司他丁对肝癌合并肝硬化患者肝切除术后肝功能、氧化应激和炎性反应的影响	蒋龔,张明途 (1626)
A 血型抗原减弱的血清学和分子生物学分析	黄颖,张瑛,裘晓乐,等 (封二)

调查·监测

2018 年某三甲综合医院临床分离株分布及耐药性分析	张绮萍,陆锦琪,王霄腾,等 (1629)
----------------------------------	----------------------

2018 年北京市门头沟山区农村自备井生活饮用水溶解性总固体监测结果分析	王肖红,王丽,李龙建,等 (1635)
2017 年度河南省食品安全抽检结果分析	谷瑞丽,郑子栋,王赛楠,等 (1638)
杭州市余杭区致泻性大肠埃希菌分子流行病学研究	徐云龙,陈燕,李明强 (1644)
2015 年 - 2018 年甘肃省天水市食品中食源性致病菌监测分析	张玉霞,李莉,吴宝军,等 (1648)
2018 年郑州市金水区碘缺乏病监测结果分析	陈瑞琴 (1651)
宫腔镜术后患者发生盆腔感染的病原学特点及高危因素分析	向珺,周晓红,徐丽霞 (1655)
2018 年沈阳市市售食品中食源性致病菌污染状况分析	刘虎生 (1658)

教学与实验室管理

微视频教学结合案例式情景模拟演练法在检验科实习生生物安全带教中的实践效果评价	蔡莎莎,邹金艳,段达荣,等 (1660)
水质检测原始记录规范性浅谈	荣晓夙,周红亮 (1662)

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 30 Number 13 July 10, 2020

Managed by

National Health 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 Huaweili, 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, ZHANG Jian - ying, YING Bin -
wu, YANG Tao, 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 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

Domestic Distributor

Henan Post Newspaper and Periodicals Bureau
Code: 36 - 45

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

Copyright 2020 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price

RMB ¥38

CONTENTS IN BRIEF

Original Articles

Determination of 17 sulfonamides in water samples by ultra - performance

liquid chromatography - tandem mass spectrometry after solid phase extrac-

tion XUE Ming, YANG Fan - xu, JIN Quan, *et al* (1537)

Determination of 13 kinds of PDE - 5 inhibitors illegally added in health food

by liquid chromatography - tandem mass spectrometry

..... XIE Bai - yan, QIN Juan, YANG Yu - ping (1542)

Expression of CA125 and survivin in endometrial cancer cells and its correla-

tion with prognosis

..... SHEN Wei - wei, SHEN Ke - wei, WANG Jia - ying, *et al* (1546)

Comparison and analysis of gene resolution on *Mycobacterium tuberculosis* in

Henan by 15 - locus interspersed repeating unit - a variable number of tandem

repeats ZHANG Guo - long (1551)

Chemical Detection Method

Application of portable colorimeter in the field detection of nitrite nitrogen in

water ZHAN Wei, LI Yong, ZHU Zhi - qin, *et al* (1556)

Simultaneous determination of 15 elements in mantis shrimp by microwave digestion coupled with inductively coupled plasma – mass spectrometry LUO Na (1558)

Determination of papaverine in poppy shell by high performance liquid chromatography with fluorescence detection YUAN Peng, LI Rui, YANG Rui – chun (1562)

Direct determination of cobalt and toxic elements lead, cadmium and arsenic in vitamin B₁₂ by inductively coupled plasma – mass spectrometry BAO Xian – jin (1565)

Microbe Detection Method

Molecular characterization of an acute gastroenteritis outbreak caused by mixed infection of GI and G II norovirus JI Lei, LIU Guang – tao, LIU Bin – hui, *et al* (1567)

The value of PCR – fluorescent probe in the diagnosis and estimation of cure rate of *Chlamydia trachomatis* infection in genitourinary tract inflammation SHAO Zhuo, SHU Mei, SUN Ai – hua (1571)

Clinical value of combined detection of respiratory virus antigen and antibody GAO Wei (1574)

Comparative analysis of two methods for detecting *Escherichia coli* in well water YU Yang (1577)

Clinical Laboratory Test

Association of *MTHFR* and *NOS3 VNTR* polymorphisms with Hcy levels in patients with coronary heart disease ZHAO Chang, HE Xin (1580)

Expression and significance of Th17 and Treg cells in peripheral blood of patients with systemic lupus erythematosus CAO Jing – hong, WANG En – zhi, ZHOU Xing – hui, *et al* (1584)

Clinical efficacy of caspofungin in the treatment of patients with fungal disease and indicators related to serum inflammation influences XU Sheng – hua, GAO Wei, NI Zhao – bin (1586)

Ultrasound performance and clinical characteristics of different types of mucinous breast carcinoma XUAN Lan – ping, ZHOU Bi – hua, YAO Pei – jun (1590)

- Clinical application of renal injury molecules and neutrophil gelatinase – related lipid carrier proteins in early renal disease of type 2 diabetes** WANG Shan – shan, CHEN Ying – gang, ZHU Yi – jun (1593)
- Efficiency of integrated maternal serum prenatal screening for common chromosomal abnormalities in fetuses during first, second, and combined screening test of first and second trimester** CHEN Yi – ming, ZHANG Wen, LU Sha, *et al* (1597)
- The diagnostic value of combined detection of HE4 and D – dimer in ovarian cancer**
 DOU Rong – han, ZHOU Guo – ming, ZHANG Bin, *et al* (1601)
- The value of urine Hepcidin detection in the early diagnosis of iron – deficiency anemia**
 WANG Hao, XU Chen – long, ZHOU Cheng – cheng, *et al* (1604)
- Changes and significance of plasma homocysteine levels in elderly patients with AECOPD complicated with chronic heart failure**
 XU Han – wen, CHEN Hua – chun (1607)
- Changes and clinical significance of serum hs – CRP level in children with bronchial asthma combined with allergic rhinitis**
 MIAO Hai – yan, ZHOU Xiao – ying, GAO Yu – feng (1610)
- Correlation of serum thyroid hormones with glucose and lipid metabolism in pregnant women with gestational diabetes**
 ZHOU He – ling, WANG Jun, XU Chun – yan (1613)
- Analysis of diagnostic accuracy of enhanced MRI combined with serum CA19 – 9, CA125 and CEA for pancreatic cancer** ...
 CHEN Qing – hua, LI Yan – jun, WANG Xiang – ming, *et al* (1616)
- The clinical value of serum C – reactive protein combined with procalcitonin tests in the discrimination and evaluation of therapeutic effect among cancer patients with fever** CHEN Xian – feng, WANG Shu (1620)
- The value of preoperative CRP/Alb and procalcitonin in predicting the severity of acute cholecystitis in the elderly**
 CHEN Wei – yang, ZHANG Xing – long, DING Wen – yuan (1623)
- Effects of ulinastatin on liver function, oxidative stress and inflammatory response after hepatic resection for hepatocellular carcinoma complicated with cirrhosis** JIANG Yan, ZHANG Ming – tu (1626)

Serological and molecular biological analysis of subtypes A degradation

..... HUANG Ying, ZHANG Ying, QIU Xiao - le, *et al* (封二)

Investigation and Monitoring

The distribution and drug resistance analysis of clinical isolates in a Class - A comprehensive hospital in 2018

..... ZHANG Qi - ping, LU Jin - qi, WANG Xiao - teng, *et al* (1629)

Monitoring results analysis of total dissolved solids in drinking water from rural self - provided wells in mountainous area of

Mentougou District of Beijing in 2018 WANG Xiao - hong, WANG Li, LI Long - jian, *et al* (1635)

Analysis of sampling inspection results of Henan food safety in 2017

..... GU Rui - li, ZHENG Zi - dong, WANG Sai - nan, *et al* (1638)

Molecular epidemiological study on the diarrheagenic *Escherichia coli* in Yuhang District of Hangzhou

..... XU Yun - long, CHEN Yan, LI Ming - qiang (1644)

Surveillance and analysis of foodborne pathogens in foods of Tianshui City during 2015 - 2018

..... ZHANG Yu - xia, LI Li, WU Bao - jun, *et al* (1648)

Analysis of iodine deficiency disease surveillance results in Jinshui District, Zhengzhou in 2018 CHEN Rui - qin (1651)

Etiological characteristics and risk factor analysis of pelvic infection in patients after hysteroscopic surgery

..... XIANG Jun, ZHOU Xiao - hong, XU Li - xia (1655)

A study on the contamination status of foodborne pathogens in commercially available foods in Shenyang, 2018

..... LIU Hu - sheng (1658)

Editor in Charge ZHANG Shu

Proofreader CHEN Xin - xin

English Editor ZHANG Meng TIAN Hui

致敬最美



逆行者

活动作品展示

优秀摄影图片作品30幅，入选作品70幅
优秀科普知识作品10种，入选作品10种



扫码看展示作品



指导单位：中国健康教育中心 中国期刊协会

主办单位：中国期刊协会医药卫生期刊分会 中国高校科技期刊研究会医学期刊专委会 中国卫生科教音像出版社

支持单位：北京圆心科技有限公司（妙手医生）