



ISSN QK1912416

CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2019年4月 第29卷 第7期

Apr.2019 Vol.29 No.7

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

7

2019

ISSN 1004-8685



9 7710 194

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29卷 第7期 2019年4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 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:自办发行
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

2019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

- 吉林省结核分枝杆菌 *oxyR* - *ahpC* 基因耐药相关性研究
..... 张立夫,张炜煜,杨修军,等 (769)
- 整合素 αV 亚基在类风湿性关节炎中的表达及其与 Th17 细胞分化的关系
..... 高锦,项海燕,鄢巨振,等 (772)
- 纤维蛋白原对创伤性出血患者凝血功能及预后的影响
..... 钟丹锋,宋于康,张帅,等 (775)
- 分散固相萃取-液相色谱质谱/质谱检测茶叶中吡虫啉、啉虫脒、茚虫威和氯虫苯甲酰胺农药残留 黄季维,樊文明,梅玉琴,等 (778)

化学测定方法

- 快速微波消解-ICP-MS法测定面粉中铝含量
..... 王立,邱巧丽,周健 (782)
- 应用模式生物转基因青鳉幼鱼检测奶粉中的雌激素水平
..... 吴德生,陈雪平,杨淋清,等 (785)
- 甲醇沉淀-气相色谱法测定奶茶中甜蜜素 陈国征,王萍 (787)
- 滴定法测定食品中二氧化硫的研究 邱宏,顾万江,钟汉怀 (790)
- 高效液相色谱-荧光法同时检测水产品中阿维菌素和伊维菌素
..... 迂君,赵飞,贾宏新 (792)

本刊编委 (排名按姓氏笔画排列)

丁家华 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 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 孙长颖 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 飙 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

自动顶空毛细柱气相色谱内标法测定食用植物油六号溶剂残留量

雷凯,王芳,王建国 (795)

实验研究

腐植酸大量元素水溶肥急性经口毒性试验结果分析

王伟,杨希良,景箫,等 (798)

微生物检测方法

丽水市未成年人 EB 病毒感染情况分析

黄振强,丁友法,曲春生,等 (800)

早发型与晚发型新生儿败血症病原菌分布及药敏分析

段纯,胡艺琳,秦晓林,等 (802)

临床检验

血小板抗体检测在经产妇及多次妊娠产妇中的临床研究

赵枫,张媛媛,刘科益,等 (805)

肝素结合蛋白与降钙素原在重症胰腺炎继发细菌感染患者中的诊断价值

邱飞,钟小妹,高丹,等 (807)

多聚胞嘧啶结合蛋白 2 在卵巢癌中的表达及对卵巢癌细胞增殖的影响

俞忠娜,张勤维,严春红,等 (810)

长期卧床老年痴呆患者并发肺部感染的危险因素分析

徐丽芬,查显友,费玉娥 (813)

血和尿中生化指标检测在老年原发性高血压患者早期肾损伤诊断中的意义

傅娟,周燕,刘小香 (816)

术前系统免疫炎症指数和中性粒细胞/淋巴细胞比值与食管癌临床病理特征及预后的关系	郑森中,陈魏,牟吉,等 (818)
劳力性中暑患者血清白细胞介素-6、血清淀粉样蛋白 A 和 C-反应蛋白水平变化及相关性分析	王桂业,汤鲁明,陶洪群,等 (823)
血降钙素原与 C-反应蛋白在肝硬化腹水非多形核细胞性自发性细菌性腹膜炎中的临床应用价值分析	赵黎明,徐建光,祝君 (826)
尿液中 TGF- β 1、Kim-1、Cys-C 水平与狼疮性肾炎患者病理类型肾脏病理分级及病情的关系	王秀袖 (829)
妊娠糖尿病患者血清胆红素水平与胰岛 β 细胞功能的相关性研究	俞丁丁,张艳,费冬,等 (832)
CD64 指数和血清淀粉样蛋白 A 检测在学龄前儿童细菌感染诊断和鉴别诊断中的意义	戴金肖,张媛媛,张金飞 (835)
子宫内膜异位症患者血清中 C-反应蛋白和血管活性因子水平与患者临床症状及预后的关系	吕小玲,童小平,方兴,等 (838)
妊娠期糖尿病孕妇甲状腺功能异常与甲状腺自身抗体的相关性分析	王云杰 (841)
ST 段抬高型心肌梗塞患者血小板淋巴细胞比率与左冠状动脉前降支病变位置的关系研究	刘勇,姜东伟 (844)
急性白血病感染患者炎症因子、凝血指标及血小板参数的相关性分析	李婷,兰义芬,薛武进,等 (847)
2 型糖尿病患者下肢动脉粥样硬化其危险因素分析及超声评价	戴文娟 (851)
高敏 C-反应蛋白联合白细胞检测在小儿细菌性感染性疾病诊断中的研究	李恭鹏,韦庆民,姚丽,等 (854)
桥本甲状腺炎患者血清中甲状腺相关激素水平检测及预后探讨	滕跃虹,王鲁峰,朱焯 (857)
联合应用尿液干化学法与尿沉渣镜检法进行白细胞检验的临床价值探讨	路琳君,孙梦甜,刘春晖,等 (860)

冠心病患者胃促生长素及 N-末端促生长抑素水平变化及临床意义 杨金凤,卢旺娣,陈捷 (862)

类风湿关节炎检测指标的聚类分析 陈飞,阮奕,叶一冰,等 (865)

调查·监测

河南省部分地区小麦粉中 4 种交链孢毒素污染状况调查 谢莉,贾永平,范传彩 (868)

2016 年-2017 年河南省餐饮食品中铝的检测与评估 袁利杰,周楠,刘颖,等 (870)

1 033 例在岗职业健康体检人员单次尿检异常影响因素分析 陈文芬,陈霄峰,管敏昌 (875)

包头市 2013 年-2017 年流行性感冒监测结果分析 高巍,彭景贤,康耀霞,等 (878)

2015 年-2017 年湖北省食品中 9 种合成着色剂检测结果分析 胡贝,刘红 (881)

教学与实验室管理

昆明市艾滋病检测实验室网络建设探讨 李育芬,廖斌,冯瑞琳,等 (885)

经验交流

国家标准酸性高锰酸钾滴定法测定饮用水耗氧量的错误或不当之处及注意要点 龙强军,黎霞 (887)

血液乙醇检验方法标准的修改建议 李俊立,彭长华,李滔,等 (889)

短篇报道

血清 C-反应蛋白及血沉对急性胰腺炎的诊断价值 李静,李恭鹏 (892)

综 述

沙棘果油活性功效因子研究进展 覃光球,王江伟,赵鹏 (893)

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 29 Number 7 April 10, 2019

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, 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 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

Self - publishing

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 2019 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price

RMB ¥ 38

CONTENTS IN BRIEF

Original Articles

Drug resistance of *Mycobacterium tuberculosis oxyR - ahpC* gene in Jilin province

..... ZHANG Li - fu, ZHANG Wei - yu, YANG Xiu - jun, *et al* (769)

Expression of integrin αV in patients with rheumatoid arthritis and its correla-

tion with differentiation of Th17 cell

..... GAO Jin, XIANG Hai - yan, YAN Ju - zhen, *et al* (772)

Coagulation function and prognostic influence of fibrinogen on traumatic

hemorrhage

..... ZHONG Dan - feng, SONG Yu - kang, ZHANG Shuai, *et al* (775)

Determination of imidacloprid acetamiprid, indoxacarb and chlorantraniliprole

residues in tea by dispersive solid phase extraction - liquid chromatography -

triple quadrupole mass spectrometry

..... HUANG Ji - wei, FAN Wen - ming, MEI Yu - qin, *et al* (778)

Chemical Detection Method

Rapid determination of aluminum in flour by ICP - MS with microwave digestion

method

..... WANG Li, QIU Qiao - li, ZHOU Jian (782)

Determination of estrogen in milk powder by using transgenic medaka larval

fish model

..... WU De - sheng, CHEN Xue - ping, YANG Lin - qing, *et al* (785)

Determination of sodium cyclamate in milk tea by methanol precipitation – gas chromatography
..... CHEN Guo – zheng, WANG Ping (787)

Study on determination of sulfur dioxide in food by titrimetric method
..... QIU Hong, GU Wan – jiang, ZHONG Han – huai (790)

Determination of abamectin and ivermectin in aquatic product by HPLC – FD ... YU Jun, ZHAO Fei, JIA Hong – xin (792)

Determination of No. 6 solventresidual in edible vegetable oil by auto headspace capillary gas chromatography with internal standard LEI Kai, WANG Fang, WANG Jian – guo (795)

Experimental Study

Test result analysis of acute oral toxicity of humic acid water soluble fertilizer
..... WANG Wei, YANG Xi – liang, JING Xiao, *et al* (798)

Microbe Detection Method

Analysis of Epstein – Barr virus infection status in minors of Lishui
..... HUANG Zhen – qiang, DING You – fa, QU Chun – sheng, *et al* (800)

Distribution and drug sensitivity analysis of pathogens isolated from early – onset and late – onset neonatal sepsis
..... DUAN Chun, HU Yi – lin, QIN Xiao – lin, *et al* (802)

Clinical Laboratory Test

Clinical study of platelet antibody in second and multiple pregnancies
..... ZHAO Feng, ZHANG Yuan – yuan, LIU Ke – yi, *et al* (805)

Diagnostic value of heparin – binding protein and PCT in diagnosing secondary bacterial infection of patients with severe acute pancreatitis QIU Fei, ZHONG Xiao – mei, GAO Dan, *et al* (807)

Expression of polycytidine binding protein 2 in ovarian cancer and its effect on proliferation of ovarian cancer cells
..... YU Zhong – na, ZHANG Qin – wei, YAN Chun – hong, *et al* (810)

- Risk factors for complicated pulmonary infection in long – term bedridden senile dementia patients**
..... XU Li – fen, ZHA Xian – you, FEI Yu – e (813)
- Significance of blood and urine biochemical index in diagnosis of early renal injury in elderly essential hypertension patients**
..... FU Juan, ZHOU Yan, LIU Xiao – xiang (816)
- Clinical and prognostic significance of preoperative systematic immune – inflammation index and neutrophil – lymphocyte ratio
in patients with esophageal cancer** ZHENG Sen – zhong, CHEN Wei, MU Ji, *et al* (818)
- Changes and correlation analysis of serum II – 6, SAA and CRP levels in patients with exertional heatstroke**
..... WANG Gui – ye, TANG Lu – ming, TAO Hong – qun, *et al* (823)
- Clinical application value analysis of serum procalcitonin and C – reactive protein in non – polynuclear cell spontaneous bacterial
peritonitis in cirrhotic ascites** ZHAO Li – ming, XU Jian – guang, ZHU Jun (826)
- Relationship between TGF – β 1, Kim – 1, Cys – C levels in urine and pathological type, pathological grading and condition of
lupus nephritis** WANG Xiu – xiu (829)
- Relationship between serum total bilirubin level and islet β cell function in patients with gestational diabetes mellitus**
..... YU Ding – ding, ZHANG Yan, FEI Dong, *et al* (832)
- Significance of CD64 and SAA detection in diagnosis and differential diagnosis of preschool children’s bacterial infection** ...
..... DAI Jin – xiao, ZHANG Yuan – yuan, ZHANG Jin – fei (835)
- Relationship of serum CRP, VEGF levels and clinical symptoms with prognosis in patients with endometriosis**
..... LV Xiao – ling, TONG Xiao – ping, FANG Xing, *et al* (838)
- Correlation between thyroid dysfunction and thyroid autoantibodies in pregnant women with gestational diabetes mellitus** ...
..... WANG Yun – jie (841)
- Relationship between platelet to lymphocyte ratio and the lesion localization of left anterior descending coronary artery in ST –
segment elevation myocardial infarction patients** LIU Yong, JIANG Dong – wei (844)
- Correlation analysis of inflammatory factors, coagulation parameters and platelet parameters in patients with acute leukemia
infection** LI Ting, LAN Yi – fen, XUE Wu – jin, *et al* (847)

Risk factors analysis and ultrasonic evaluation of lower extremity atherosclerosis in type 2 diabetic patients	DAI Wen - juan (851)
High - sensitivity CRP combined with WBC detection in diagnosis of bacterial infectious diseases in children	LI Gong - peng, WEI Qing - min, YAO Li, <i>et al</i> (854)
Detection and prognosis study of serum thyroid hormone levels in patients with Hashimoto's thyroiditis	TENG Yue - hong, WANG Lu - feng, ZHU Ye (857)
To investigate the clinical value of combined use of urine dry chemistry method and urinary sediment microscopy in white blood cell test	LU Lin - jun, SUN Meng - tian, LIU Chun - hui, <i>et al</i> (860)
Changes of ghrelin and N - terminal somatostatin levels in patients with coronary heart disease and its clinical significance ...	YANG Jin - feng, LU Wang - di, CHEN Jie (862)
Cluster analysis of laboratory test indexes in rheumatoid arthritis	CHEN Fei, RUAN Yi, YE Yi - bing, <i>et al</i> (865)

Investigation and Monitoring

Contamination status of 4 alternaria toxins in wheat flour from partial areas of Henan Province	XIE Li, JIA Yong - ping, FAN Chuan - cai (868)
Investigation and evaluation of aluminum in restaurant food in Henan ...	YUAN Li - jie, ZHOU Nan, LIU Ying, <i>et al</i> (870)
Abnormal influence factors for single urinalysis in 1 033 cases with occupational health examination	CHEN Wen - fen, CHEN Xiao - feng, GUAN Min - chang (875)
Analysis of influenza monitoring in Baotou during 2013 - 2017 ...	GAO Wei, PENG Jing - xian, KANG Yao - xia, <i>et al</i> (878)
Detection results analysis of 9 synthetic colorants in food of Hubei province during 2015 - 2017 ...	HU Bei, LIU Hong (881)

Editor in Charge ZHANG Shu

Responsibility of Proofreading CHEN Xin - xin

English Editor ZHANG Meng TIAN Hui

专注三大健康管理领域

Focus on Three Key Disease Areas
in Our Health Care



为您提供全方位的医学检验产品和服务

We Provide Total Diagnostic Solutions
With Products and Services

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)

创新 启动未来
THE FUTURE
STARTS WITH INNOVATION