

中国科技论文统计源期刊(中国科技核心期刊)
中国科技论文与引文数据库收录期刊
美国化学文摘社《化学文摘》收录期刊
美国《剑桥科学文摘(自然科学)》来源期刊
英国《农业与生物科学研究文摘》收录期刊
英国《全球健康》数据库收录期刊
波兰《哥白尼索引》收录期刊
世界卫生组织西太平洋地区医学索引收录期刊

ISSN 1671-7414
CN 61-1398/R
CODEN XJYZB4



现代检验医学杂志[®]

XIANDAI JIANYAN YIXUE ZAZHI

第34卷 第1期 2019年1月

JOURNAL
OF
MODERN
LABORATORY
MEDICINE

Volume 34 Number 1

January 2019



现代检验医学杂志编辑委员会

ISSN 1671-7414



THE EDITORIAL COMMITTEE
OF JOURNAL OF MODERN
LABORATORY MEDICINE

现代检验医学杂志

Xiandai Jianyan Yixue Zazhi

第 34 卷

第 1 期

2019 年 1 月

目 次

论 著

- 儿童原发性肾病综合征患者尿液外泌体 miR-23b-3p 水平变化及其临床意义 张翠平,于汉卿,张辰宇,等(001)
西安地区儿童免疫球蛋白无反应型川崎病危险因素分析及预测评分体系的建立 李俏,张李钰,赵传梅,等(005)
原发性肝癌患者外周血 CD39⁺,CD73⁺ 调节性 T 细胞和自然杀伤(NK)细胞的表达及其与肝损伤的相关性 沈海涛,焦荣红,陆志成,等(010)
成人疑似病毒性脑炎、脑膜炎患者 xTAG 脑脊液病毒多重检测结果分析 伊洁,关鸿志,倪安平,等(014)
孕妇外周血无创 DNA 检测技术在产前诊断中的应用 燕凤,燕飞,姚念玲,等(017)
非小细胞肺癌患者组织 EGFR 基因突变状况及预后分析 刘延梅,马少君,马庆,等(022)
急性髓系白血病患者外周血粒细胞、单核细胞膜 GPI 锚链和红细胞表面 CD59 表达水平的研究 范臻佳,金丽兰,史册,等(026)
浙江地区临床分离粪肠球菌的多位点序列分型及耐药性分析 施宏,陈书韵,杨狄,等(029)
类风湿关节炎患者血清 IL-27 水平及外周血 PLR 检测与疾病活动度的相关性研究 赵芬,张爱萍,赵楠楠,等(034)
1976 年中国唐山地震生存截瘫患者淋巴细胞亚群水平检测研究 王菊惠,李佳强,袁宝军,等(038)
糖耐量受损患者血清 eNOS mRNA 和 TRB3 mRNA 表达与疾病干预的相关性研究 樊萍,苟小林,李娜(041)
血清淀粉样蛋白 A,C 反应蛋白和降钙素原在脓毒性休克中的应用价值与相关性分析 戴晓勇,陈永珍,华玮,等(047)
血清 hs-CRP,β-HCG 和孕酮的联合检测在预测先兆流产中的临床应用 程蓓蕾,王福祥,杨丹蓉(051)
类风湿关节炎患者血清淀粉样蛋白 A 和 C 反应蛋白水平与疾病活动度的关系 焦荣红,沈海涛,王淑芬,等(055)
儿童哮喘患者血清 IL-33 和 TSLP 水平检测的临床意义及与 IgE 相关性分析 朱建光,沈露,张潮,等(058)
陕西省延安地区育龄女性 MTHFR 基因多态性和国内多地区相关报道比较分析 曹云,周晓,张晓艳,等(062)
尿液 6 种蛋白与 CysC 水平检测对糖尿病肾病的诊断价值 张求霞,汪隆海,昌国庆,等(067)
支气管哮喘并发幽门螺杆菌感染患儿粪便抗原与血清抗体特征分析 赵含信,郝维敏(072)
不同肿瘤与并发胰腺炎患者血清 AMY 和 LPS 的分布水平及实验诊断价值研究 祖瑞铃,叶波(076)
抑郁症患者血清脂质及 CK,LDH 水平与疾病程度的相关性分析 游青青,杨海健,杨宇,等(079)
临床血流感染沙门菌的分型及同源性和耐药性分析 周俊英,田宏攀(083)
儿童手足口病外周血红细胞分布宽度与疾病严重程度的相关性研究 刘玉婷,李小玲,黄艳琼(085)
QFT-GIT 对儿童肺结核临床诊断价值的 meta 分析 田斌,文岚,刘燕萍,等(089)
慢性肾脏疾病晚期患者的尿代谢组学特征分析 冯琴,李智,尚小玲,等(093)
呼吸机相关肺损伤患者血清及诱导痰液 NLRP3 炎症小体的表达及与其它炎症因子的相关性 顾慧玲,王海峰,倪红燕,等(097)
不同实验室环境下 ELISA 法检测血清 GM 结果的可靠性研究 娄鉴芳,梅亚宁,张世昌,等(101)
儿童及青少年精神分裂症患者血清同型半胱氨酸、叶酸水平与 PANSS 评分的关系研究 段侠霞,陈英,沈德华,等(104)
外周血 MPV,PEW 与血清 CEA 联合检测对胃癌和胃溃疡的鉴别诊断作用 陈绪阳,魏铁军,吉茂礼,等(107)

研究简报·实验技术

- 六种国产粪便隐血检测试剂的诊断性能评价 李文东,白海燕,李淑莲,等(111)
还原性谷胱甘肽对兔骨髓间充质干细胞体外冷藏保存活性保护作用研究 胡坚方,汪照函,雷雪扬,等(115)
三种尿液干化学分析仪检测一致性的比较 王刚强,程翔,杨丽华,等(120)
西安地区0~12岁健康儿童血清S100蛋白参考区间的建立 吴爽,张涛元,张书婉,等(124)
不同浓度氯化钠抗凝血对POCT血糖仪校准结果干扰影响的研究 李广权,周卫东,钟培英,等(127)

检验与临床

- 低分子肝素对慢性病贫血患者Hb和C反应蛋白水平影响的初步研究 陆晔,邵红,程旭,等(130)
心脏瓣膜置换术患者血浆纤维蛋白原水平动态变化监测的临床价值 邵祺雯,胡晓芳(133)
咳嗽变异性哮喘患儿布地奈德吸入剂与孟鲁斯特钠联合治疗对血清IL-6,TNF- α ,TGF- β 和IgE水平影响及作用机制研究 王晨,陈乐(137)
2017年广东省东莞地区儿童血培养病原菌分布及耐药性分析 段俊林,郭主声,陈伟(142)
西安地区妊娠期妇女生殖道支原体感染及药敏分析 赵海卫,魏娟,王建云,等(146)

质量控制·实验室管理

- 6 σ 理论在激素类项目检验质量精益管理中的应用 刘彦明,何坤,刘熙君,等(148)
基于风险管理设计临床生物化学酶类检测项目质量控制策略 孔丽蕊,王华丽,吴风(154)

综述

- 类风湿关节炎免疫学发病机制研究的最新进展 周莹,王子铭,虞伟(157)
Galectin-4与肿瘤相关性的研究进展 王李秦,魏绪仓(161)

广告索引

彩色广告:
浙江东瓯诊断产品有限公司

封二

潍坊三维生物工程集团有限公司
潍坊市康华生物医药有限公司

封三
封底

刊名题字:著名于体书法家李立恺先生
本期责任编辑:王华

封面设计:王华 雷岐锁
本期责任校对:王华 郭文静

现代检验医学杂志

Xiandai Jianyan Yixue Zazhi

中国标准连续出版物号:ISSN 1671-7414(国际标准连续出版物)
续出版物号:CN 61-1398/R(国内统一连续出版物)
双月刊(1986年1月创刊)第34卷第1期 2019年1月
主管单位:陕西省卫生和计划生育委员会

主办单位:陕西省临床检验中心
陕西省人民医院

名誉主编:黄立勋 主编:高敬龙
社长 副主编:王岐山 副主编:任健康 魏力强
副社长 常务副主编:王华
编辑部主任:王华

编辑出版:《现代检验医学杂志》编辑部
地 址:西安市友谊西路256号陕西省人民医院内
邮政编码:710068
电 话:(029)85249600-2006,2424
电子信箱:xdjyyx@126.com
网 址:<http://www.xdjyyxzz.com>
印刷装订:长安大学雁塔校区印刷厂
发行范围:公开发行
国内发行:中国邮政集团公司陕西省报刊发行局
订 阅:全国各地邮政局(所)
国外发行:中国国际图书贸易集团有限公司
邮发代号:国内 52—116/国外 BM6452
国内定价:25.00 元/期
广告许可证:陕工商广字 6100004000018 号

Journal of Modern Laboratory Medicine

Vol. 34 No. 1 Janua. 2019

Main Contents

Levels and Its Significance of Urinary Exosomal miR-23b-3p in Children with Nephrotic Syndrome	
ZHANG Cui-ping, YU Han-qing, ZHANG Chen-Yu, et al	(001)
Analysis of Risk Factors of Intravenous Immunoglobulin in Children with Non-Responsive Kawasaki Disease in Xi'an Area and Establishment of Its Predictive Scoring System	
LI Qiao, ZHANG Li-ju, ZHAO Chuan-mei, et al	(005)
Correlation between the Expression of Peripheral Blood CD39⁺ and CD73⁺ in Regulatory T Cells and Nature Kill Cell in Patients with Hepatocellular Carcinoma and Liver Injury	
SHEN Hai-tao, JIAO Rong-hong, LU Zhi-cheng, et al	(010)
Analysis on Results of Suspected Viral Encephalitis and Meningitis Patients Detected by xTAG Cerebral Spinal Fluid Viral Panels	
YI Jie, GUAN Hong-zhi, NI An-ping, et al	(014)
Application of Non-Invasive DNA Detection Technique in Maternal Peripheral Blood for Prenatal Diagnosis	
YAN Feng, YAN Fei, YAO Nian-ling, et al	(017)
Analysis of the Status and Outcome of Epidermal Growth Factor Receptor Mutations in Non-Small Cell Lung Cancer Patients	
LIU Yan-mei, MA Shao-jun, MA Qing, et al	(022)
Expression Level of Peripheral Blood Granulocytes and Monocytes GPI Anchor Chain and Erythrocyte CD59 in AML Patients	
FAN Zhen-jia, JIN Li-lan, SHI Ce, et al	(026)
MLST Typing and Drug Resistance Analysis of Clinical Isolates of <i>Enteroccus Faecalis</i> in Zhejiang Area	
SHI Hong, CHEN Shu-yun, YANG Di, et al	(029)
Correlation Analysis between Serum IL-27 Levels and Peripheral Blood PLR Detection and Disease Activity in Rheumatoid Arthritis Patients	
ZHAO Fen, ZHANG Ai-ping, ZHAO Nan-nan, et al	(034)
Detection of Lymphocyte Subsets in Patients with Paraplegia after the 1976 Tangshan Earthquake in China	
WANG Ju-hui, LI Jia-qiang, YUAN Bao-jun, et al	(038)
Correlation Study on Serum Expression of eNOSmRNA and TRB3mRNA, and Disease Intervention in Patients with Impaired Glucose Tolerance	
FAN Ping, GOU Xiao-lin, LI Na	(041)
Application and Correlation Analysis of Serum Amylase A, C-reactive Protein and Procalcitonin in Septic Shock	
DAI Xiao-yong, CHEN Yong-zhen, HUA Wei, et al	(047)
Clinical Application of Combined Detection of hs-CRP, β-HCG, and Progesterone in Predicting Threatened Abortion	
CHENG Bei-lei, WANG Fu-xiang, YANG Dan-rong	(051)
Relationship between Serum Amyloid A and C-reactive Protein in Patients with Rheumatoid Arthritis and Activity of Disease	
JIAO Rong-hong, SHEN Hai-tao, WANG Shu-fen, et al	(055)
Clinical Significance of Detection of Serum IL-33 and TSLP Levels in Children with Asthma and Correlation with IgE	
ZHU Jian-guang, SHEN Lu, ZHANG Chao, et al	(058)
Comparative Analysis of MTHFR Gene Polymorphisms in Women of Childbearing Age in Yan'an Area of Shaanxi Province and Related Reports in Many Regions in China	
CAO Yun, ZHOU Xiao, ZHANG Xiao-yan, et al	(062)
Clinical Value of Detection of 6 Proteins and Cystatin C in Urine for Early Diagnosis of Diabetic Kidney Disease	
ZHANG Qiu-xia, WANG Long-hai, CHANG Guo-qing, et al	(067)
Characteristics of Stool Antigen and Serum Antibody in Children with Bronchial Asthma and <i>Helicobacter Pylori</i> Infection	
ZHAO Han-xin, HAO Wei-min	(071)
Distributions and Diagnostic Values of Serum Amylase and Lipase in Patients with Various Types of Tumors and Those with Pancreatitis	
ZU Rui-ling, YE Bo	(076)
Correlation Analysis of Serum Lipids, CK, LDH and Course of Disease in Patients with Depression	
YOU Qing-qing, YANG Hai-jian, YANG Yu, et al	(079)
Typing and Homology and Resistance Analysis of <i>Salmonella</i> in Clinical Bloodstream Infection	
ZHOU Jun-ying, TIAN Hong-pan	(083)
Correlation between the Distribution Width of Peripheral Blood Red Blood Cells and the Severity of Disease in Children with HFMD	
LIU Yu-chang, LI Xiao-ling, HUANG Yan-qiong	(085)
Clinical Usefulness of QuantiFERON-TB Gold In-Tube(QFT-GIT) Test for Tuberculosis Diagnosis in Children: A Systematic Review	
TIAN Bin, WEN Lan, LIU Yan-ping, et al	(089)
Feature Analysis of Urinary Matabolism in Advanced Chronic Kidney Disease	

FENG Qin, LI Zhi, SHANG Xiao-ling, et al	(093)
Correlation of Serum and Phlegm NLRP3 Inflammasome in Patients with Ventilator-Induced Lung Injury with Other Inflammatory Cytokines	
GU Hui-ling, WANG Hai-feng, NI Hong-yan, et al	(097)
Reliability Study on Serum GM Results by ELISA Method in Different Laboratory Conditions	
LOU Jian-fang, MEI Ya-ning, ZHANG Shi-chang, et al	(101)
Correlation Study between Serum Homocysteine, Folic Acid Levels and PANSS Score in Children and Adolescents Patients with Schizophrenia	
DUAN Xia-xia, CHEN Ying, SHEN De-hua, et al	(104)
Differential Diagnosis of Gastric Cancer and Gastric Ulcer by Peripheral Blood MPV, PDW and Serum CEA Joint Detection	
CHEN Xu-yang, WEI Tie-jun, JI Mao-li, et al	(107)
Diagnostic Performance Evaluation of Six Kinds of Domestic Fecal Occult Blood Reagents	
LI Wen-dong, BAI Hai-yan, LI Shu-lian, et al	(111)
Reduced Glutathione Protect Rat Bone Marrow Mesenchymal Stem Cells from Refrigeration	
HU Jian-fang, WANG Zhao-han, LEI Xue-yang, et al	(115)
Comparison on the Consistency of Three Urine Dry Chemistry Analyzers	
WANG Gang-qiang, CHENG Xiang, YANG Li-hua, et al	(120)
Establishment of Biology Reference Interval of Serum Protein S100 Level in Healthy Children between 0 and 12 Years Old in Xi'an	
WU Shuang, ZHANG Tao-yuan, ZHANG Shu-wan, et al	(124)
Anticoagulant Blood of Different Sodium Fluoride Concentration Interfered Calibrated Results of POCT Glucometer	
LI Guang-quan, ZHOU Wei-dong, ZHONG Pei-ying, et al	(127)
Preliminary Study on the Effects of Low Molecular Weight Heparin on Hb and C Reactive Protein Levels in Patients with Chronic Anemia	
LU Ye, SHAO Hong, CHENG Xu, et al	(130)
Clinical Value of Monitoring the Dynamic Changes of Plasma Fibrinogen in Patients Undergoing Heart Valve Replacement	
TAI Qi-wen, HU Xiao-fang	(133)
Effects of Budesonide Inhalation Combined with Montelukast Sodium on Serum IL-6, TNF-α, TGF-β1 and IgE Levels in Children with Cough Variant Asthma and Its Mechanism	
WANG Sheng, CHEN Le	(137)
Analysis of Pathogen Distribution and Drug Resistance in Blood Culture of Children in Dongguan Area	
DUAN Jun-lin, GUO Zhu-sheng, CHEN Wei	(142)
Mycoplasma Infection and Drug Resistance in Pregnant Woman with Genital Tract Infections in Xi'an	
ZHAO Hai-wei, WEI Juan, WANG Jian-yun, et al	(146)
Application of 6 σ Theory for Quality Promotion in the Detection of Endocrinology Project Inspection	
LIU Yan-ming, HE Kun, LIU Xi-jun, et al	(148)
Quality Control Strategy of Clinical Biochemical Enzyme Detection Project Based on Risk Management	
KONG Li-rui, WANG Hua-li, WU Feng	(154)
New Advances in Immunology Research on the Pathogenesis of Rheumatoid Arthritis	
ZHOU Ying, WANG Zi-ming, YU Wei	(157)
Research of Galectin-4 in Tumor	
WANG Li-qin, WEI Xu-cang	(161)

Editor of Responsibility: WANG Hua

Proofreader: WANG Hua GUO Wen-jing

Journal of Modern Laboratory Medicine

Bimonthly (Founded in January, 1986)

ISSN 1671-7414 CN 61-1398/R

Distribution Limits: Open

Honorary Chief Editor: HUANG Li-xun

Chief Editor: GAO Jing-long

Director of the Press and Subeditor: WANG Qi-shan

Subeditor: REN Jian-kang

WEI Li-qiang

Vice Director of Press, Standing

Vice Chief Editor and Director of Editorial Office:

WANG Hua

Vol. 34 No. 1 Janua. 2019

Responsible Institution:

Shaanxi Health and Family Planning Commission

Sponsors:

Shaanxi Province Center for Clinical Laboratory

Shaanxi Province People's Hospital

Edited by the Editorial Board of «Journal of Modern Laboratory Medicine»

Address: 256 Youyi West-road, Xian, 710068

Telephone: (86-29)85249600-2006,2424

Http:// www.xdjyyxzz.com

Internal Distributor: China Post Group Company in Shaanxi Province Newspaper Board

Overseas Distributor: China International Book Trading Group Co. LTD. P. O. Box 399, Beijing, China, Code No. BM6452

E-mail: xdjyyx@126.com