



Q K 2 1 1 0 8 2 2

ISSN 1673-6273

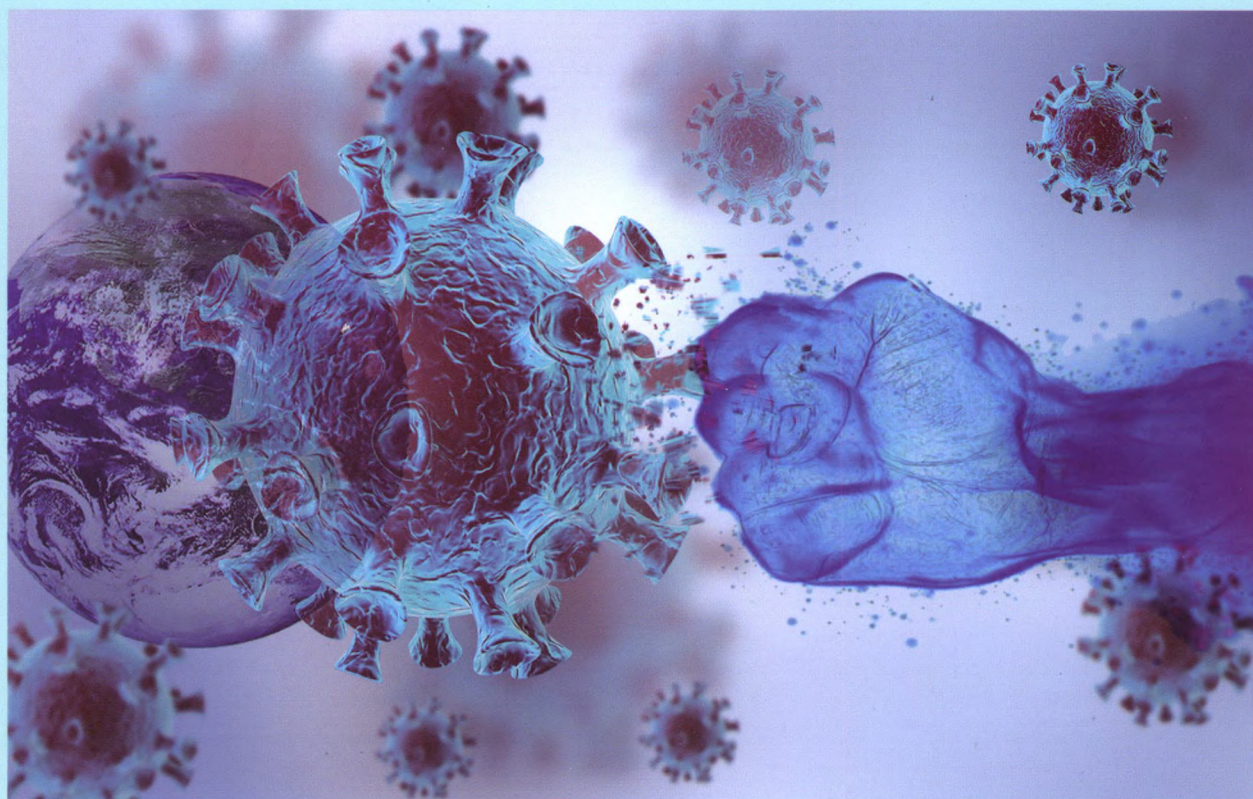
CN 23-1544/R

CODEN SXJTA8

XIAN DAI SHENG WU YI XUE JIN ZHAN

现代生物医学进展

2021年 第21卷 第7期



ISSN 1673-6273



0 7 >

9 771673 627214

中国科技核心期刊
科技部中国科技论文统计源期刊
中国学术期刊网络出版总库 (CNKI) 收录期刊
美国化学文摘(CA) 检索期刊
俄罗斯文摘杂志(AJ) 收录期刊
英国国际农业与生物科学研究中心(CABI)数据库收录期刊
美国剑桥文摘(CSA) 收录期刊
英国Global Health数据库收录期刊
Genamics Journal Seek 收录期刊
美国ProQuest数据库收录期刊
美国EBSCO数据库收录期刊
波兰哥白尼索引(IC) 收录期刊
WHO西太区医学索引(WPRIM) 收录期刊

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001 年 4 月创刊 第 21 卷 第 7 期 2021 年 4 月 15 日出版 Progress in Modern Biomedicine

主管:黑龙江省卫生健康委员会
主办:黑龙江省森工总医院
哈尔滨医科大学附属第四医院
协办:哈尔滨工业大学
上海交通大学附属第一人民医院
编辑:现代生物医学进展编辑委员会
150040 哈尔滨市和兴路 32 号
电话:0451-82583800
E-mail:biomed_54@126.com
E-mail:liudhui_21@126.com
E-mail:biomagnetism@163.com
http://biomed.cnjournals.com
http://www.shengwuyixue.com
http://swcx.periodicals.net.cn
学术顾问: 杨宝峰 刘颂豪
阮长耿 曾溢滔 贺林
张亭栋 王迺谦 刘玉清
郝希山 曾益新 张岂凡
执行主编: 吴文忠
主编: 徐万海
副主编: 李钰 张贵祥
黄文华 黄菊芳 刘平
吕传柱 曾乐平 唐一源
曾凡一 刘明 代文杰
张清媛
编辑部主任: 刘同奎
编辑部副主任:
刘子馨 谢建平 郑林丰
编辑部地址:150001, 哈尔滨市 54 号信箱
(哈尔滨市花园街 184 号 403)
电话:0451-82583800 0451-53658268
传真:0451-82583966
出版:现代生物医学进展杂志社
印刷:哈尔滨市工大节能印刷厂
发行:国内:哈尔滨市报刊发行局
国外:中国国际图书贸易总公司
(北京 399 信箱, 100044)
国外发行代号:Q1728
订购:全国各地邮局
邮发代号:14-12
邮购:现代生物医学进展编辑部
(150001 哈尔滨市 54 号信箱)
定价:30.00 元 / 期, 全年 720.00 元
中国标准刊号:ISSN 1673-6273
CN 23-1544/R
2021 年版权归现代生物医学进展杂志社所有
本刊刊出的所有文章不代表编委会的观点,
除非特别声明 本刊如有印刷质量问题, 请向
现代生物医学进展杂志编辑部调换

目次

·论著·

·基础研究·

KEAP1 基因及其突变位点对非小细胞肺癌细胞株作用的
实验初步研究
..... 李燕 龚美玲 叶小萍等 (1201)

纤维调节素抑制脂多糖诱导性动物牙周炎的实验分析
..... 赵晶 林江 宋铁砾等 (1208)

基于 PI3K/AKT 通路探究上调 miR-210 对骨髓干细胞增殖、
凋亡能力的影响
..... 于璐 余少华 熊宇等 (1212)

实验性延期再植牙大鼠模型组织学分析方法的建立
..... 邱天凯 汪璐璐 陈宇江等 (1217)

骨髓间充质干细胞移植对急性肝功能衰竭大鼠肝再生、炎症反应
及转换生长因子-β 受体的影响
..... 彭方毅 罗德 方程等 (1224)

妊娠糖尿病对仔鼠肺成熟的影响及吡格列酮的干预作用
..... 韩燧 张荣 徐杨等 (1228)

酶标仪法测定氨茶碱血药浓度的研究
..... 范子琪 徐勤 秦金保等 (1234)

哮喘大鼠血清 IL-8、IFN-γ 水平与疾病分期的相关性
..... 王冰 晏纪军 段争等 (1239)

·临床研究·

ICU 呼吸机相关性肺炎患者炎性因子水平与病原学特征
及危险因素分析
..... 马萍萍 章左艳 唐雯琦等 (1244)

目标导向液体管理策略对腹腔镜直肠癌根治术患者血流动力学、
组织灌注指标及肝肾功能的影响
..... 陈超 董翔 庄青等 (1248)

三维适形调强放疗联合榄香烯注射液对食管癌患者
血清肿瘤标志物和 T 淋巴细胞亚群的影响
..... 刘涛 曹文兰 吴显文等 (1253)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第21卷 第7期 2021年4月15日出版 Progress in Modern Biomedicine

- 吡格列酮二甲双胍联合运动康复对超重或肥胖 2 型糖尿病患者糖脂代谢和胰岛功能的影响
..... 郑 欣 戚艳艳 毕丽娜等 (1257)
- 急性 ST 段抬高型心肌梗死患者术后碎裂 QRS 波的影响因素及其
与心肌灌注和短期预后的关系分析 王 军 黄紫娟 钱斐鸿等 (1261)
- 血栓弹力图评价心力衰竭合并肺部感染患者凝血状态的价值研究
..... 李亚峰 朱佳欢 刘 潺等 (1266)
- 原发性骨恶性纤维组织细胞瘤 24 例临床特征及预后分析 何耀全 何婧雯 潘建辉等 (1270)
- 不同入路椎间孔镜下髓核摘除术治疗 L₅/S₁ 椎间盘突出症近期疗效的对比研究
..... 林世水 林 成 刘国铭等 (1275)
- 阴式手术与开腹手术对子宫良性肿瘤患者炎性应激反应、盆底功能及性生活质量的影响
..... 张召菊 唐桂娥 高兰翠等 (1279)
- 胆道支架植入治疗恶性梗阻性黄疸术后并发症的发生因素分析 马 博 周 军 周京涛等 (1283)
- 超声引导射频消融联合外科微创手术治疗下肢静脉曲张的疗效及预后影响因素分析
..... 韩林霖 韩 天 陈 曦等 (1287)
- 后路与前路手术内固定融合术对脊柱骨折患者脊柱功能及创伤应激指标的影响
..... 魏中秋 辛 兵 郭 明等 (1292)
- 心肌酶谱、动态心电图及冠状动脉 CT 血管造影诊断嗜铬细胞瘤儿茶酚胺性心脏损害价值研究
..... 唐维晞 邓和平 陈彦汝等 (1296)
- 罗哌卡因切口浸润联合静脉自控镇痛对肝癌肝切除术患者术后镇痛镇静效果及肝功能的影响
..... 戴 云 李富强 卢爱平等 (1301)
- 糖尿病足截肢患者生活质量现状调查及与疼痛评分、应对方式和焦虑抑郁的相关性分析
..... 杨 佳 任 玲 葛正懿等 (1305)
- 输尿管软镜与超微通道经皮肾镜碎石术治疗直径 <2cm 肾结石的对照分析研究
..... 曲树新 刘 洋 姜 舟等 (1310)
- 四妙勇安汤辅助光凝术对糖尿病视网膜病变的疗效观察及对血糖指标、尿白蛋白的影响
..... 张 唯 刘 欢 郝婷婷等 (1315)
- 舒血宁注射液联合丹参滴丸对急性冠脉综合征患者血脂和心功能的影响
..... 冯 强 李作坤 田 冬等 (1320)
- 老年 2 型糖尿病患者血清 BGP、ghrelin、YKL-40 水平与胰岛素抵抗及认知功能损害的关系研究
..... 王建军 朱晓燕 余云华等 (1324)
- 三种非典型抗精神病药对儿童青少年精神分裂症患者血脂、肝功能和认知功能的影响
..... 张 英 曾剑飞 王 冰等 (1328)
- 脓毒症患者血清降钙素原、C-反应蛋白与凝血功能、病情评分的关系及预后的影响因素分析
..... 尹彦芬 容维娜 张 霞等 (1333)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第21卷 第7期 2021年4月15日出版 Progress in Modern Biomedicine

肾病综合征患者血浆 leptin、IL-4、IL-18 及 TNF- α 水平变化及其临床意义	奉 娅 肖 祥 周 萍等 (1338)
口腔颌面部肿瘤患者术后缺损的外侧皮瓣修复术与前臂皮瓣修复术对比研究	蔡开智 杨 森 郭丽娟等 (1342)
6MWT 在评价老年肺结核应用及与血气分析相关性	郎伟明 刘凡平 王 倩等 (1346)
不同剂量右美托咪定对妇科腹腔镜手术患者应激反应、血流动力学和术后认知功能的影响	何敏琪 周瑞仁 唐小曼等 (1351)
儿童运动发育迟缓与血碱性磷酸酶、血 25-羟维生素 D3 表达水平的相关性	王淑慧 高雪婷 周银月等 (1356)
醒脑静联合高压氧对急性一氧化碳中毒患者脑功能、肝肾功能及血清氧自由基的影响	李爱中 安小峰 闫鹏飞等 (1360)
脓毒症患者血清 H ₂ S、GDF-15、PTX-3 水平与凝血功能、炎症指标及病情评分的相关性分析	才 让 陈学梅 祁蕙燕等 (1365)
参苓白术散联合推拿治疗急性轮状病毒感染性腹泻患儿的疗效及对胃肠激素和免疫力的影响	米欣晶 白冰超 万 璐等 (1370)
杏芍氯化钠注射液联合依达拉奉对急性脑梗死患者神经功能、脑血流灌注及氧化应激水平的影响	杨贤科 钱 浓 彭先波等 (1374)
全身麻醉术后患者苏醒室内低体温发生率及其影响因素的 Logistic 回归分析	张 森 胡宪文 李 锐等 (1379)
呼吸道感染患儿 EBV-DNA 载量表达及其与肝肾功能损伤的关系研究	郝秀丽 谢 放 闫学平等 (1383)
前列腺 PI-RADS V2.1 评分联合血清 PSA 相关指标对灰区前列腺癌的诊断价值研究	古志聪 陈南辉 杨日辉等 (1387)
妊娠期贫血患者血常规、网织红细胞多参数及贫血类型与孕期的关系研究	吴秀继 王华茹 关 虹等 (1391)
CTLA-4 在弥漫大 B 细胞淋巴瘤患者外泌体的表达及初步机制研究	陈 艳 梁 奇 杨志武等 (1396)
·重要信息·	
《现代生物医学进展》2021 年封面设计说明	(1223)
《现代生物医学进展》杂志简介及投稿指南	(I ~ IV)

责任编辑:王念、武海艳、郭晓东、李寿朋、王国华、陈文、田向荣、曾垂凯、陶维东、王沛坚、崔玉宝
英文编辑:田林杰、王娟、杨尚琴、李媛媛、吕志刚、马军、符波、朱杰、许愿忠、靳大川、岳颖、陈芸芸
执行编辑:谢建平、曾乐平、刘子馨、郑林丰、韩康、周利红、周颖、张玉环、董佩锋、朱英杰、万民熙
封面设计:曾乐平、彭安安

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 7

April 15 2021

Responsible: Health Commission of Heilongjiang province
Sponsor: Heilongjiang Province Forestry General Hospital
The Fourth Hospital of Harbin Medical University
Cosponsor: Harbin Institute of Technology
Shanghai Jiao Tong University
Affiliated First People's Hospital
Editing: Editorial Board of Progress in Modern Biomedicine
No.32, Hexing Road, Harbin 150040
Tel:(0451) 82583800
<http://biomed.cnjournals.com>
<http://www.shengwuyixue.com>
<http://swcx.periodicals.net.cn>
E-mail: biomed_54@126.com
E-mail: liudhui_21@126.com
E-mail: biomagnetism@163.com
Academic Adviser: YANG Bao-feng
LIU Song-hao RUAN Chang-geng
ZENG Yi-tao HE Lin
ZHANG Ting-dong WANG Nai-qian
LIU Yu-qing HAO Xi-shan
ZENG Yi-xin ZHANG Qi-fan
Executive-Editor-in-chief:
WU Wen-zhong
Editor-in-chief:
XU Wan-hai
Associate Editor-in-chief: LI Yu
ZHANG Gui-xiang HUANG Wen-hua
HUANG Ju-fang LIU Ping
LV huan-zhu ZENG Le-ping
TANG Yi-yuan ZENG Fan-yi
LIU Ming DAI Wen-jie
ZHANG Qing-yuan
Managing Director:
LIU Tong-kui
Managing Associate Director:
LIU Zi-xin XIE Jian-ping
ZHENG Lin-feng
Address of Editorial Department:
150001, Harbin No.54 Post-office box
(Room 403, No.184 at Huayuan Street, Harbin)
Tel: 0451-82583800 0451-53658268
Publishing: House, Journal of Progress in Modern Biomedicine
Printing: Harbin city Gongda save energy printing House
Overseas Distributor: China International Book Trading corporation.
P.O Box 399, Beijing, code No.Q1728
Mail-Order: Editorial Department of publishing House, Progress in Modern Biomedicine
Harbin 54 Post-office box, Harbin 150001
Tel: 0451-53658268 0451-82583800
CSSN: ISSN 1673-6273
CN 23-1544/R
Copyright 2021 by the publishing House of Progress in Modern Biomedicine
All articles published represent the opinions of the authors, do not reflect the official policy of the Editorial Board of Progress in Modern Biomedicine unless this is clearly specified.

Contents in Brief

ORIGINAL ARTICLES

·BASIC RESEARCH·

The Functional Study of KEAP1 Gene and Its Mutation in NSCLC Cell Line: A Preliminary Experimental Study LI Yan, GONG Mei-ling, YE Xiao-ping, et al	(1201)
Experimental Analysis of Fibronectin Inhibiting Lipopolysaccharide-induced Periodontitis in Animals ZHAO Jing, LIN Jiang, SONG Tie-li, et al	(1208)
Effects of miR-210 on Proliferation and Apoptosis of Dental Pulp Stem Cells Based on PI3K / AKT Pathway YU Lu, YU Shao-hua, XIONG Yu, et al	(1212)
Establishment of Histological Analysis Method of Experimental Delayed Tooth Replantation Rat Model DI Tian-kai, WANG Lu-lu, CHEN Yu-jiang, et al	(1217)
Effects of Bone Marrow Mesenchymal Stem Cell Transplantation on Liver Regeneration, Inflammatory Response and Conversion Growth Factor - β receptor in Rats with Acute Liver Failure PENG Fang-yi, LUO De, FANG Cheng, et al	(1224)
Effect of Gestational Diabetes Mellitus on Lung Maturity of Pups and Intervention Effect of Pioglitazone HAN Yi, ZHANG Rong, XU Yang, et al	(1228)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 7

April 15 2021

Study on Microplate Reader Method Analysis of the Aminophylline

FAN Zi-qi, XU Qin, QIN Jin-bao, et al (1234)

Correlation between Serum IL-8, IFN- γ Levels and Disease Stages in Asthmatic Rats

WANG Bing, YAN Ji-jun, DUAN Zheng, et al (1239)

·CLINICAL RESEARCH·

Analysis of Levels of Inflammatory Factors, Etiological

Characteristics and Risk Factors in ICU Patients with Ventilator-associated Pneumonia

MA Ping-ping, ZHANG Zuo-yan, TANG Wen-qi, et al (1244)

Effects of Goal-directed Fluid Management Strategy on Hemodynamics,

Tissue Perfusion Index and Liver and Kidney Function

in Patients Undergoing Laparoscopic Radical Resection of Rectal Cancer

CHEN Chao, DONG Xiang, ZHUANG Qing, et al (1248)

Effect of Three-dimensional Conformal Intensity-modulated Radiotherapy Combined with

Elemene Injection on Serum Tumor Markers and T-lymphocyte Subsets

in Patients with Esophageal Cancer

LIU Tao, CAO Wen-lan, WU Xian-wen, et al (1253)

Effects of Pioglitazone Metformin Combined with Exercise Rehabilitation on Glucose

and Lipid Metabolism and Islet Function in Overweight or Obese Patients with

Type 2 Diabetes Mellitus

ZHENG Xin, QI Yan-yan, BI Li-na, et al (1257)

Influencing Factors of Post-operative Fragmented QRS Complex

and Its relationship with myocardial perfusion and short-term Prognosis

in Patients with Acute ST Segment Elevation Myocardial Infarction

WANG Jun, HUANG Zi-juan, QIAN Fei-hong, et al (1261)

The Value of Thromboelastogram in the Evaluation of Coagulation State

in Patients with Heart Failure and Pulmonary Infection

LI Ya-feng, ZHU Jia-huan, LIU Chan, et al (1266)

Clinical Features and Prognosis Analysis of 24 Cases of

Primary Malignant Fibrous Histiocytoma of Bone

HE Yao-quan, HE Jing-wen, PAN Jian-hui, et al (1270)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 7

April 15 2021

Comparative Study on Short-term Efficacy of Different Approaches of

Endoscopic Discectomy for L₅/S₁ Disc Herniation

LIN Shi-shui, LIN Cheng, LIU Guo-ming, et al (1275)

Effects of Vaginal and Open Surgery on Inflammatory Stress Response, Pelvic Floor Function and Sexual Quality of Life in Patients with Uterine Benign Tumor

ZHANG Zhao-ju, TANG Gui-e, GAO Lan-cui, et al (1279)

Analysis on the Factors of Postoperative Complications of Biliary Stent Implantation for Malignant Obstructive Jaundice

MA Bo, ZHOU Jun, ZHOU Jing-tao, et al (1283)

Analysis of the Effect and Prognostic Factors of Ultrasound-guided Radiofrequency Ablation Combined with Minimally Invasive Surgery in the Treatment of Varicose Veins of Lower Extremities

HAN Lin-lin, HAN Tian, CHEN Xi, et al (1287)

The Influence of Posterior and Anterior Internal Fixation and Fusion on Spinal Function and Trauma Stress Index in Patients with Spinal Fracture

WEI Zhong-qiu, XIN Bing, GUO Ming, et al (1292)

The Value of Myocardial Enzyme, Dynamic Electrocardiogram and Coronary Artery CTA Angiography in the Diagnosis of Pheochromocytoma with Catecholamine Heart Damage

TANG Wei-xi, DENG He-ping, CHEN Yan-ru, et al (1296)

Effects of Ropivacaine Incision Infiltration Combined with Patient-controlled Intravenous Analgesia on Postoperative Analgesia and Sedation and Liver Function in Patients with Liver Cancer Undergoing Hepatectomy

DAI Yun, LI Fu-qiang, LU Ai-ping, et al (1301)

Investigation of Quality of Life in Patients with Diabetic Foot Amputation and Its Correlation with Pain Score, Coping style, Anxiety and Depression

YANG Jia, REN Ling, GE Zheng-yi, et al (1305)

A Comparative Study of Treatment on Kidney Stone with a Diameter of Less Than 2cm Through Flexible Ureteroscope and Ultra Mini Percutaneous Nephrolithotripsy

QU Shu-xin, LIU Yang, JIANG Zhou, et al (1310)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 7

April 15 2021

Effect of Simiao Yongan Decoction Combined with Panretinal Laser Photocoagulation on Diabetic Retinopathy	
ZHANG Wei, LIU Huan, HAO Ting-ting, et al	(1315)
Effect of Shuxuening Injection Combined with Danshen Dropping Pill on Blood lipid and Heart Function in Patients with Acute Coronary Syndrome	
FENG Qiang, LI Zuo-kun, TIAN Dong, et al	(1320)
Relationship between Serum Levels of BGP, Ghrelin and YKL-40 and Insulin Resistance and Cognitive impairment in Elderly Patients with Type 2 Diabetes Mellitus	
WANG Jian-jun, ZHU Xiao-yan, YU Yun-hua, et al	(1324)
Effects of Three Atypical Antipsychotics on Blood Lipid, Liver Function and Cognitive Function in Children and Adolescents with Schizophrenia	
ZHANG Ying, ZENG Jian-fei, WANG Bing, et al	(1328)
Analysis of the Relationship between Serum Procalcitonin, C-reactive Protein, Coagulation Function, Disease Score and Prognostic Factors in Patients with Sepsis	
YIN Yan-fen, RONG Wei-na, ZHANG Xia, et al	(1333)
Changes in Plasma Leptin, IL-4, IL-18 and TNF-α Levels in Patients with Nephrotic Syndrome and Their Clinical Significance	
FENG Ya, XIAO Xiang, ZHOU Ping, et al	(1338)
A Comparative Study of Lateral Flap and Forearm Flap for Oral and Maxillofacial Tumor Patients	
CAI Kai-zhi, YANG Sen, GUO Li-juan, et al	(1342)
Application of 6MWT in Evaluation of Senile Pulmonary Tuberculosis and Its Correlation with Blood Gas Analysis	
LANG Wei-ming, LIU Fan-ping, WANG Qian, et al	(1346)
Effects of Different Doses of Dexmedetomidine on Stress Response, Hemodynamics and Postoperative Cognitive Function in Patients Undergoing Gynecological Laparoscopic Surgery	
HE Min-qi, ZHOU Rui-ren, TANG Xiao-man, et al	(1351)
Correlation between Children's Motor Development Delay and Expression of Blood Alkaline Phosphatase and Blood 25-hydroxyvitamin D3	
WANG Shu-hui, GAO Xue-ting, ZHOU Yin-yue, et al	(1356)

Progress in Modern Biomedicine

Established in April 2001

Volume 21 Number 7

April 15 2021

- Effects of Xingnaojing Combined with Hyperbaric Oxygen on Brain Function,
Liver and Kidney Function and Serum Oxygen Free Radicals
in Patients with Acute Carbon Monoxide Poisoning**
LI Ai-zhong, AN Xiao-feng, YAN Peng-fei, et al (1360)
- Correlation Analysis of Serum H₂S, GDF-15 and PTX-3 Levels with Coagulation Function,
Inflammation Indexes and Disease Score in Sepsis Patients**
CAI Rang, CHEN Xue-mei, QI Hui-yan, et al (1365)
- Effects of Shenling Baizhu Powder Combined with Massage on Gastrointestinal Hormones
and Immunity in Children with Acute Rotavirus Infection Diarrhea**
MI Xin-jing, BAI Bing-chao, WAN Lu, et al (1370)
- Effects of Xingxiong Sodium Chloride Injection Combined with Edaravone on Neurological Function,
Cerebral Blood Perfusion and Oxidative Stress in Patients with Acute Cerebral Infarction**
YANG Xian-ke, QIAN Nong, PENG Xian-bo, et al (1374)
- Logistic Regression Analysis on the Incidence of Hypothermia
and Its Influencing Factors in Patients after General Anesthesia**
ZHANG Miao, HU Xian-wen, LI Rui, et al (1379)
- Expression of EBV-DNA Load in Children with Respiratory Tract Infection
and Its Relationship with Hepatic and Kidney Damage**
HAO Xiu-li, XIE Fang, YAN Xue-ping, et al (1383)
- Diagnostic Value of PI-RADS V2.1 Score Combined with Serum PSA Related Indicators
in Gray Zone Prostate Cancer**
GU Zhi-cong, CHEN Nan-hui, YANG Ri-hui, et al (1387)
- Study on the Relationship between Blood Routine, Multiple Parameters
of Reticulocytes, Anemia Types and Pregnancy
in Patients with Anemia during Pregnancy**
WU Xiu-ji, WANG Hua-ru, GUAN Hong, et al (1391)
- ression of CTLA-4 in Exosomes of Diffuse Large B Cell Lymphoma and Its Primary Mechanism**
CHEN Yan, LIANG Qi, YANG Zhi-wu, et al (1396)



中国科技核心期刊

(中国科技论文统计源期刊)

收录证书

CERTIFICATE OF SOURCE JOURNAL
FOR CHINESE SCIENTIFIC AND TECHNICAL PAPERS AND CITATIONS

现代生物医学进展

经过多项学术指标综合评定及同行专家
评议推荐，贵刊被收录为“中国科技核心期
刊”(中国科技论文统计源期刊)。

特颁发此证书。



中国科学技术信息研究所
Institute of Scientific and Technical Information of China

北京复兴路 15 号 100038

www.istic.ac.cn

2020年12月

证书编号: 2019-F250-1603
有效期至: 2021年12月

万方数据

