



ISSN 0253-9896
CN 12-1116/R
CODEN TIYADG

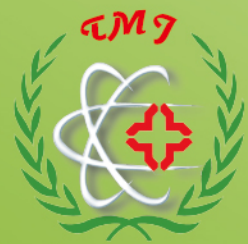


天津医药[®]

Tianjin Yiyao

Tianjin Medical Journal

《中文核心期刊要目总览》入编期刊
中国科技核心期刊（中国科技论文统计源期刊）
RCCSE中国核心学术期刊
Abstract Journal（AJ）收录期刊
CAB Abstracts/Global Health（CABI）收录期刊
Chemical Abstracts（CA）收录期刊
EBSCOhost收录期刊
HINARI收录期刊
Index Copernicus（IC）收录期刊
InfoBase Index收录期刊
Japan Science and Technology Agency（JST）收录期刊
The Western Pacific Region Index Medicus（WPRIM）收录期刊



2022年 5月

第50卷 第5期

Vol. 50 No. 5

ISSN 0253-9896



天津市医学科学技术信息研究所 主办
Sponsor: Tianjin Health Information Research Center

天津医药

Tianjin Yiyao

月刊 1959年创刊 第50卷 第5期 2022年5月15日出版
刊名题字 郭沫若

主管

天津市卫生健康委员会

主办

天津市医学科学技术信息研究所

编辑出版

《天津医药》编辑部

300070 天津市和平区贵州路94号

电话 (022)23337519

E-mail: tjyybjb@vip.sina.com

http://www.tjyybjb.ac.cn

主编

王建国

执行主编

刘英虹

印刷

天津市恒远印刷有限公司

发行

国内 天津市邮政报刊发行局

国际 中国国际图书贸易集团有限

公司(北京399信箱,100048)

代号 M241

订购

全国各地邮局

邮发代号6-3

邮购

《天津医药》发行部

300070 天津市和平区贵州路96号

D座

电话 (022)23337519

定价

每期18.00元,全年216.00元

中国标准连续出版物号

ISSN 0253-9896

CN 12-1116/R

本刊如有印装质量问题,请联系本刊编辑部调换

目次

细胞与分子生物学

分泌磷酸蛋白1对肺腺癌A549细胞生物学特性的影响

栾艳超,梁超,韩青松,刘佳坤,杨立伟,李志峰……………(449)

LncRNA ZFAS1 靶向 miR-373 导致肝癌细胞顺铂耐药的机制研究

余奎杨,刘攀,张浩文,秦涛,胡明星……………(455)

高糖环境下P物质活化Akt通路促进间充质干细胞增殖和成血管内皮细胞分化的研究

刘娜,张晓东,李永涛,金海峰,姜杨,王璐璐,刘丹阳,沈雷……………(461)

吡啶菁绿光热治疗耐甲氧西林葡萄球菌感染的研究

赵妍,赵晶晶,康莉,李真玉,刘双庆,陈兵……………(466)

实验研究

依达拉奉右莰醇通过抑制TLR4/NF- κ B信号通路减轻实验性自身免疫性脑脊髓炎小鼠炎症反应

晚丽,李作孝……………(471)

5-氮杂-2'-脱氧胞苷对人甲状腺癌裸鼠移植瘤的抑制作用及其机制的研究

程冉,魏枫,张苑,刘美岚,贺佳……………(476)

阿利沙坦酯对自发性高血压大鼠稳定降压及心脏保护作用的研究

翟亚君,杨涵,陈万里,刘玥,魏丽萍,刘克强,齐新……………(481)

犀角地黄汤合方含药血清调节ITP患者Teff/Treg分化及功能的研究

王梦晓,王爱迪,杨武霞,刘宝山……………(487)

临床研究

中性粒细胞淋巴细胞比值、淋巴细胞单核细胞比值与症状性颅内动脉粥样硬化性狭窄的关系

胡明哲,陈香岩,吴光亮,乔利军,蔡业锋……………(493)

体外膈肌起搏器联合呼吸训练器对稳定期COPD合并II型呼吸衰竭患者的临床疗效观察

王亚锋,夏晓黎,马艳萍,张宁,魏才杰,马娇娇……………(498)

冠心病不同分型患者巨噬细胞凋亡和 M1/M2 极化水平变化的研究
 龚兆会,赵新军,罗川晋,褚庆民,吴伟,李荣(503)

自然周期移植日孕酮水平对复苏分裂胚及囊胚妊娠结局的影响
 宋天然,石纓,张月莲(508)

III~V 期非透析治疗的慢性肾脏病患者血清 VK2、Runx2 的表达及其与心血管钙化的关系
 符薇薇,陈洁,巫琼微,罗江宾,李周扬,龙作鹏(513)

血尿酸对维持性血液透析合并矿物质代谢紊乱患者预后的影响
 张春秀,李晶,蒋红樱,董云萍,李玉凤,贺婷,李萌(517)

应用研究

肝细胞癌微血管侵犯相关危险因素分析及预测模型的构建
 谭玉莹,张炜琪,谢炎,李江,李俊杰,蒋文涛(523)

南昌市西湖区结直肠癌筛查结果及进展期结直肠腺瘤列线图预测模型的构建
 邹夏慧,刘敦菊,万德惠,姜慧英(528)

前哨淋巴结阳性及全乳切除的乳腺癌患者非前哨淋巴结转移的术中预测模型
 陈佩贤,陈凯,周丹,潘瑞琳,叶国麟,陈小松,苏逢锡(533)

药物临床观察

安罗替尼联合白蛋白结合型紫杉醇三线治疗非小细胞肺癌的临床疗效和安全性
 赵子龙,张美云,高辉,杜伟,巴雅尔,吕艺华(539)

丁苯酞下调血清脂蛋白相关磷脂酶 A2 改善急性大动脉粥样硬化型脑梗死患者预后的临床观察
 林玉凤,汪志云,王雪松(544)

亲环素 A 在 GDM 中的表达及其与氧化应激、炎症反应和妊娠结局的关系研究
 朱荣英,朱艳芳,习静(548)

综述

APC-EPCR-PAR1 通路在类风湿关节炎中的研究进展
 刘轩绮,刘汇洋,赵京洋,尹芳蕊,白力,王永福(552)

PI3K/AKT 信号通路在心房颤动中的研究进展
 张续腾,刘芳,陈军,刘晓萌,靳乐,高红梅(556)

本期责任编辑 李国琪 本期英文责任编辑 杨卓

本期审稿专家(按拼音首字母排序)

陈怀永 丛洪良 丁之德 董 微 郝春芳 李 冰 李 栋 李国强 李 嘉
 刘鉴峰 龙 刚 孙 昕 王春妍 王世民 王彤宇 王玉亮 王赞鑫 吴 琦
 徐延敏 张明庆 张云山 赵海丰 郑 芳 郑妙艳 钟殿胜

Tianjin Medical Journal

Monthly

Established in 1959

Volume 50

Number 5

May 15, 2022

Inscription of the Journal Title GUO Moruo(郭沫若)

Responsible Institution

Tianjin Municipal Health Commission

Sponsor

Tianjin Health Information Research
Center

Editing & Publishing

Editorial Board of Tianjin Medical
Journal
94 Guizhou Road, Tianjin 300070, China
Tel 0086-22-23337519
E-mail: tjybjb@vip.sina.com
http://www.tjybjb.ac.cn

Editor-in-Chief

WANG Jianguo(王建国)

Chief Executive Editor

LIU Yinghong(刘英虹)

Printing

Tianjin Hengyuan Printing Co., Ltd.

Overseas Distributor

China International Book Trading
Corporation
P.O.Box 399, Beijing, China
Code No. M 241

Mail-Order

Distribution Department of Tianjin
Medical Journal
Building D, 96 Guizhou Road, Tianjin
300070, China
Tel 0086-22-23337519

CSSN

ISSN 0253-9896
CN 12-1116/R

Main Contents

Cell and Molecular Biology

Effects of SPP1 on biological characteristics of lung adenocarcinoma A549 cells
LUAN Yanchao, LIANG Chao, HAN Qingsong, LIU Jiakun, YANG Liwei, LI Zhifeng(449)

Study on the mechanism of LncRNA *ZFAS1* targeting *miR-373* to induce
cisplatin resistance in hepatocellular carcinoma cells
YU Kuiyang, LIU Pan, ZHANG Haowen, QIN Tao, HU Mingxing(456)

An experimental study of substance P promotes the proliferation of bone marrow
mesenchymal stem cells and the differentiation of vascular endothelial cells by
activating Akt pathway in high glucose environment
*LIU Na, ZHANG Xiaodong, LI Yongtao, JIN Haifeng, JIANG Yang, WANG Lulu, LIU Danyang,
SHEN Lei*(461)

Experimental study of indocyanine green photothermal in the treatment of
methicillin-resistant *Staphylococcus Aureus* infection
ZHAO Yan, ZHAO Jingjing, KANG Li, LI Zhenyu, LIU Shuangqing, CHEN Bing(466)

Experimental Research

Edaravone dextroborneol reduces inflammation in mice with experimental
autoimmune encephalomyelitis by inhibiting TLR4/NF- κ B signaling pathway
WAN Li, LI Zuoxiao(471)

The inhibitory effect of 5-aza-2'-deoxycytidine on xenograft tumor of human
thyroid carcinoma in nude mice and its mechanism
CHENG Ran, WEI Feng, ZHANG Yuan, LIU Meilan, HE Jia(476)

Study on the effects of allisartan isoproxil on stabilizing antihypertension and
myocardial protection in spontaneous hypertensive rats
ZHAI Yajun, YANG Han, CHEN Wanli, LIU Yue, WEI Liping, LIU Keqiang, QI Xin(482)

Study on the drug serum of Xijiao Dihuang Combined Prescription regulating
Teff/Treg differentiation and function in ITP patients
WANG Mengxiao, WANG Aidi, YANG Wuxia, LIU Baoshan(487)

Clinical Research

Research on the correlation between neutrophil lymphocyte ratio, lymphocyte
monocyte ratio and symptomatic intracranial atherosclerotic stenosis
HU Mingzhe, CHEN Xiangyan, WU Guangliang, QIAO Lijun, CAI Yefeng(493)

Clinical observation of external diaphragm pacemaker combined with breathing
exerciser in patients with stable COPD and type II respiratory failure
WANG Yafeng, XIA Xiaoli, MA Yanping, ZHANG Ning, WEI Caijie, MA Jiaojiao(498)

Study on the macrophage apoptosis and M1/M2 polarization in patients with different types of coronary heart disease
GONG Zhaohui, ZHAO Xinjun, LUO Chuanjin, CHU Qingmin, WU Wei, LI Rong(503)

The effect of progesterone level on transplantation day in natural cycle on pregnancy outcome of resuscitated cleavage embryo and blastocysts
SONG Tianran, SHI Ying, ZHANG Yuelian(508)

Serum levels of VK2 and Runx2 and their relationship with cardiovascular calcification in patients with stage III–V non dialysis chronic kidney disease
FU Weiwei, CHEN Jie, WU Qiongwei, LUO Jiangbin, LI Zhouyang, LONG Zuopeng(513)

The effect of serum uric acid on the prognosis of maintenance hemodialysis patients with mineral metabolism disorders
ZHANG Chunxiu, LI Jing, JIANG Hongying, DONG Yunping, LI Yufeng, HE Ting, LI Meng(518)

Applied Research

The risk factor analysis and predictive model construction of microvascular invasion in hepatocellular carcinoma
TAN Yuying, ZHANG Weiqi, XIE Yan, LI Jiang, LI Junjie, JIANG Wentao(523)

Colorectal cancer screening results and the establishment of the prediction model of advanced colorectal adenoma in Xihu district, Nanchang city
ZOU Xiahui, LIU Dunju, WAN Dehui, JIANG Huiying.....(528)

The intraoperative prediction model of non-sentinel lymph node metastasis in sentinel lymph node-positive breast cancer patients receiving mastectomy
CHEN Peixian, CHEN Kai, ZHOU Dan, PAN Ruilin, YE Guolin, CHEN Xiaosong, SU Fengxi(533)

Drug Clinical Evaluations

The clinical efficacy and safety of anlotinib and albumin-bound paclitaxel as the third-line therapy in patients with non-small cell lung cancer
ZHAO Zilong, ZHANG Meiyun, GAO Hui, DU Wei, BA Yaer, LYU Yihua(539)

The clinical observation of butylphthalide improves the prognosis of patients with acute large-artery atherosclerosis cerebral infarction by decreasing serum lipoprotein-related phospholipase A2
LIN Yufeng, WANG Zhiyun, WANG Xuesong(544)

The expression of cyclophilin A in gestational diabetes and its relationship with oxidative stress, inflammation and pregnancy outcome
ZHU Rongying, ZHU Yanfang, XI Jing(548)

Review

Research progress of APC–EPCR–PAR1 pathway in rheumatoid arthritis
LIU Xuanqi, LIU Huiyang, ZHAO Jingyang, YIN Fangrui, BAI Li, WANG Yongfu(552)

Research progress of PI3K/AKT signaling pathway in atrial fibrillation
ZHANG Xuteng, LIU Fang, CHEN Jun, LIU Xiaomeng, JIN Le, GAO Hongmei(556)