



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 4月

第50卷 第4期

Vol. 50 No. 4

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4期 2022年4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: tjybjb@vip.sina.com

http://www.tjybjb.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

吡格列酮对高糖高脂诱导大鼠H9C2心肌细胞凋亡的影响及其机制探讨

陈旭,施凯佳,王姣,姚姗,周田,姜成龙,陈小盼(337)

骨髓间充质干细胞来源外泌体对炎症微环境中巨噬细胞表型及软骨细胞的调控作用

邢逸,窦一鸣,王敏,徐海楠,杨强,孙逊,赵艳红(343)

lncRNA IGF2-AS调控IGF2对骨髓间充质干细胞心肌样分化的影响

钟晓鸣,刘洪洋,张蕾,姚新亮,鲁雪莉,许瑾瑾,程冠昌(350)

miR-25对食管癌EC109细胞侵袭和迁移能力的影响及临床意义

李卿,李轶君,张国锐(357)

实验研究

木犀草素抑制JAK2/STAT3信号通路减轻大鼠脑缺血再灌注损伤作用的研究

吕明义,邓淑玲,郭文晏,邱永升,龙晓凤(363)

Nrf2调控AIM2炎症小体在大鼠脑缺血再灌注损伤中的作用

侯万梅,宫劲帆,刘炳园,林冬融,赵远瑜,张娟梓,韩江全(368)

三七总皂苷对流产大鼠子宫出血的影响及子宫内膜修复作用机制的研究

张靖,李潇(375)

黄芩素对实验性自身免疫性脑脊髓炎小鼠的影响及机制研究

王琳,李作孝(381)

临床研究

青年人正常颌前牙牙根与牙槽骨位置的CBCT研究

关晓航,白玉静,王璐,刘晓天,马佳君,苍松(388)

急性心肌梗死患者LGE-CMR评价结果及其与血清心肌标志物的关系

王建林,王琰华,史磊(393)

PET/CT 定量参数联合血液学指标对免疫检查点抑制剂联合化疗治疗晚期肺癌患者预后的预测价值
 孙琦,文洽先,王庆华,堵红群(399)

锁骨远端锁定板和锁骨钩锁定板治疗成人 Neer II 型锁骨远端骨折的临床疗效对比
 孙若宾,许少刚,赵家邦,赵士君(404)

那不勒斯预后评分对临床 III 期食管癌患者预后的预测价值
 闫可,魏菀怡,沈文斌,杜星语,王晓斌,赵晗君,祝淑钗(408)

降钙素原与维持性血液透析患者自体动静脉内瘘并发症的关系研究
 吕彦辉,陈建华,张丽,王春杰,田甜,薄飞(413)

应用研究

被动凝集法、间接免疫荧光法和胶体金法联合检测肺炎支原体抗体对儿童肺炎支原体感染的诊断价值
 王居鹏,朱黎娜,马明坤,陈慧,郭素香,任丽(418)

体表逐搏记录希氏束电位的研究
 常清华,王高频,刘仁光(424)

综述

细胞治疗帕金森病的研究进展
 曹津津,宋琼,邹春林(428)

HMGB1 和 TLR4 在 ARDS 中作用的研究进展
 舒小焱,李有霞,范绍辉,王红嫫(433)

PI3K/AKT/mTOR 信号通路参与脊髓损伤后神经元自噬的研究进展
 孙瑞欣,赵帅帅,申宇哲,梁家兴,杨彦玲(439)

混合现实技术用于机器人辅助腹腔镜肾部分切除术的研究进展
 刘旺敏,张墨(444)

本期责任编辑 陆荣展 本期英文责任编辑 杨卓

本期审稿专家(按拼音首字母排序)

陈旭义 程世翔 国钰梅 黄 勇 刘国印 刘 彤 刘艳霞 刘 阳 潘 燕
 彭 诚 王广舜 王彤宇 王 毅 魏殿军 温 克 夏大胜 徐 勇 于 珮
 张坚磊 张 军 张云山 张智玲

Tianjin Medical Journal

Monthly

Established in 1959

Volume 50

Number 4

April 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

The effect and underlying mechanisms of pioglitazone on apoptosis of H9C2
cardiomyocytes induced by high glucose/palmitic acid

CHEN Xu, SHI Kaijia, WANG Jiao, YAO Shan, ZHOU Tian, JIANG Chenglong,

CHEN Xiaopan(337)

The regulating effect of bone marrow mesenchymal stem cell-derived
exosomes on macrophage phenotype and chondrocytes in the
inflammatory microenvironment

XING Yi, DOU Yiming, WANG Min, XU Hainan, YANG Qiang, SUN Xun, ZHAO Yanhong ... (343)

The effect of lncRNA IGF2-AS on cardiomyocyte-like differentiation of
bone marrow mesenchymal stem cells by regulating IGF2

ZHONG Xiaoming, LIU Hongyang, ZHANG Lei, YAO Xinliang, LU Xueli, XU Jinjin,

CHENG Guanchang(350)

Effects of miR-25 on invasion and migration of esophageal carcinoma EC109
cells and its clinical significance

LI Qing, LI Yijun, ZHANG Guorui(357)

Experimental Research

Effects of luteolin on alleviating cerebral ischemia-reperfusion injury in rats by
inhibiting the JAK2/STAT3 signaling pathway

LYU Mingyi, DENG Shuling, GUO Wenyan, QIU Yongsheng, LONG Xiaofeng(363)

The role of Nrf2 in regulating AIM2 inflammation in cerebral ischemia
reperfusion injury in rats

HOU Wanmei, GUAN Jinfan, LIU Bingyuan, LIN Dongrong, ZHAO Yuanyu, ZHANG Juanzi,

HAN Jiangquan(369)

Study on the mechanism of Panax notoginseng saponins on repairing uterine
bleeding and endometrium in aborted rats

ZHANG Jing, LI Xiao(375)

The effect and mechanism of baicalein on experimental autoimmune
encephalomyelitis in mice

WANG Lin, LI Zuoxiao(381)

Clinical Research

- A CBCT study of root position in relation to the anterior alveolar bone in young adults with normal occlusion
GUAN Xiaohang, BAI Yujing, WANG Lu, LIU Xiaotian, MA Jiajun, CANG Song.....(388)
- Relationship between evaluation results of LGE-CMR and serum myocardial markers in patients with acute myocardial infarction
WANG Jianlin, WANG Yanhua, SHI Lei(394)
- Predictive value of prognosis of quantitative parameters of PET/CT combined with hematological indexes for patients with advanced lung cancer treated with immune checkpoint inhibitors combined with chemotherapy
SUN Qi, WEN Qiaxian, WANG Qinghua, DU Hongqun(399)
- Comparison of clinical efficacy of distal clavicular locking plate and clavicular hook locking plate in the treatment of adult Neer type II distal clavicular fracture
SUN Ruobin, XU Shaogang, ZHAO Jiabang, ZHAO Shijun.....(404)
- The prognostic predictive value of Naples prognostic score in esophageal cancer patients with clinical stage III
YAN Ke, WEI Wanyi, SHEN Wenbin, DU Xingyu, WANG Xiaobin, ZHAO Hanjun, ZHU Shuchai(408)
- The relationship between procalcitonin and complications of autogenous arteriovenous fistula in patients with maintenance hemodialysis
LYU Yanhui, CHEN Jianhua, ZHANG Li, WANG Chunjie, TIAN Tian, BO Fei(413)

Applied Research

- Diagnostic value of particle agglutination, indirect immunofluorescence assay and immune colloidal gold technique combined detection for *Mycoplasma pneumoniae* antibody in children with *Mycoplasma pneumoniae* infection
WANG Jupeng, ZHU Lina, MA Mingkun, CHEN Hui, GUO Suxiang, REN Li(418)
- The study of His bundle potential recorded beat by beat on body surface
CHANG Qinghua, WANG Gaopin, LIU Renguang(424)

Review

- Recent advances in cell therapy for Parkinson's disease
CAO Jinjin, SONG Qiong, ZOU Chunlin(428)
- Research progress on the role of high mobility group protein B1 and Toll-like receptor 4 in ARDS
SHU Xiaoyi, LI Youxia, FAN Shaohui, WANG Hongman(433)
- Research progress of PI3K/AKT/mTOR signaling pathway and neuronal autophagy after spinal cord injury
SUN Ruixin, ZHAO Shuaishuai, SHEN Yuzhe, LIANG Jiaying, YANG Yanling(439)
- Advances in the application of mixed reality technology in robot-assisted laparoscopic partial nephrectomy
LIU Wangmin, ZHANG Mo(444)