



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 8月

第50卷 第8期

Vol. 50 No. 8

ISSN 0253-9896



9 770253 989223

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8期

2022年8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**

吴 琦

**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

- Notch3 调控 Hes2 逆转三阴性乳腺癌上皮-间质转化的机制研究 ..... 田园,牟雅君,杨文秀,豆晓伟 ..... (785)  
FUNDC1 通过调控线粒体分裂影响高糖损伤 H9c2 心肌细胞凋亡的机制研究 ..... 郑君毅,张莹莹,刘园园,陈孟英,郭绪昆 ..... (791)  
CDCA8 通过调控增殖促进前列腺癌发生的作用机制研究 ..... 任智星,杨光华 ..... (796)

### 实验研究

- 特异性敲低海马 RNA 甲基转移酶 *Pcif1* 对空间学习记忆的影响与机制研究 ..... 孙祖浩,所信君,夏贤友,赵爽,窦妍,于春水 ..... (802)  
去肾交感神经对 2 型糖尿病大鼠血管内皮细胞自噬及 NLRP3 活化的影晌 ..... 王勇,牛伟华,卢成志,许梦萍,徐建强,何强,许学升 ..... (810)  
Nrf2-GPX4 介导的铁死亡通路参与右美托咪定对脑出血大鼠神经保护作用的机制研究 ..... 李秋畅,闫顺昌,蒙亚珍,顾云霞,宁巧明,李娜,王志华 ..... (817)  
人牙源性 iPSCs 分化心肌细胞促进急性心肌梗死小鼠心肌修复的研究 ..... 谭小兵,王儒仙,吕美荣,孙显凤,吕娜英,戴青原 ..... (822)  
护心通络方通过干预 CETP 介导脂质代谢抗兔动脉粥样硬化的实验研究 ..... 王华,何雄 ..... (827)

### 临床研究

- 骨质疏松症患者血清 H<sub>2</sub>S 的变化及临床意义 ..... 谭波,胡豇,卢冰,袁加斌,魏丹,朱宗东,廖锋,唐孝明 ..... (832)  
季节与气温变化对急性脑梗死患者血糖水平的影响 ..... 魏妙妙,夏晓爽,王林,李新 ..... (836)

## 非瓣膜性心房颤动患者血管性痴呆危险因素的病例对照研究

贺宏梅,孙健,王欢欢,马书静,张海燕,邹玉安,薛茜,宋爱霞 .....(840)

## 心功能不全合并下肢动脉硬化闭塞症的危险因素及列线图模型的建立

张筱彬,刘明,张玉冬,季博 .....(844)

## 布托啡诺不同给药时机对骨科止血带所致缺血再灌注损伤的氧化应激和炎症反应的影响

彭雅琪,王丹,赵丽霞,原大江 .....(849)

## 应用研究

### 早期肿块型乳腺浸润性导管癌超声征象与分子分型的相关性研究

张宇,刘梁生,马文娟,韩敏,朱鹰,路红 .....(853)

### WMR、MLR 及两者联合对冠心病及冠状动脉病变严重程度的诊断价值

刘逸翔,范文俊,丁振江,张英,史菲,刘静怡,孙砾贤 .....(859)

### 原发性脑膜瘤一期切除术后复发风险列线图预测模型的构建及验证

嵇慧,周林玲,俞岚,蒋伟 .....(863)

### TNF- $\alpha$ /hs-CRP 双标记时间分辨荧光免疫法用于脓毒症早期筛查诊断的研究

李云鹏,郝培远,曹雪明,闫兆月,王恩锋,黄书满,代荣钦 .....(868)

## 药物临床观察

### 卡瑞利珠单抗联合化疗方案对中晚期食管癌患者血清 miR-21、可溶性 E-钙黏蛋白表达的影响

胡加海,薛松,陈荃 .....(873)

### 不同剂量地塞米松用于超声引导下罗哌卡因髂筋膜阻滞的效果观察

王丹,赵丽霞,彭雅琪,原大江 .....(878)

### 托法替布与益赛普分别联合甲氨蝶呤治疗难治性类风湿关节炎的疗效及安全性分析

罗寰,张霞,冯娅娆,赵悦,任占芬,杨金良,郑学军 .....(883)

## 综述

### Wnt/ $\beta$ -catenin 信号通路在多发性骨髓瘤中的机制研究进展

许家威,郭一慧,宋辉,程纬民 .....(888)

### 七氟烷对海马神经元凋亡相关信号通路影响的研究进展

谢云帆,刘咪,田毅 .....(892)

---

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)

曹月娟 晁爱军 陈 力 崔瑞琴 冯丽莎 郭翎飞 李 冰 李 健 李玉明

栗 力 齐 新 田 晨 田新霞 王邦茂 王国林 王凯元 王 毅 温 克

夏大胜 徐延敏 薛玉良 于泳浩 张志坤 赵海丰

# Tianjin Medical Journal

Monthly

Established in 1959

Volume 50

Number 8

August 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:tjyybjb@vip.sina.com  
<http://www.tjyybjb.ac.cn>

## Editor-in-Chief

WU Qi(吴 琦)

## 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 mechanism of Notch3 regulating Hes2 to reverse epithelial-mesenchymal transition in triple-negative breast cancer  
*TIAN Yuan, MOU Yajun, YANG Wenxiu, DOU Xiaowei* .....(785)
- Mechanism of FUNDC1 affecting apoptosis of H9c2 cardiomyocytes with high glucose injury by regulating mitochondrial fission  
*ZHENG Junyi, ZHANG Yingying, LIU Yuanyuan, CHEN Mengying, GUO Xukun* .....(791)
- Study on the mechanism of CDCA8 promoting the occurrence of prostate cancer by regulating proliferation  
*REN Zhixing, YANG Guanghua* .....(796)

### Experimental Research

- The effect and underlying mechanism of hippocampal specific knockdown of RNA methyltransferase *Pcif1* on spatial learning and memory  
*SUN Zuhao, SUO Xinjun, XIA Xianyou, ZHAO Shuang, DOU Yan, YU Chunshui* .....(802)
- Effects of renal denervation on the vascular endothelial cell autophagy and NLRP3 activation in type 2 diabetic rats  
*WANG Yong, NIU Weihua, LU Chengzhi, XU Mengping, XU Jianqiang, HE Qiang, XU Xuesheng* .....(810)
- Neuroprotective effects of dexmedetomidine on intracerebral hemorrhage of rats by Nrf2-GPX4 mediated iron death pathway  
*LI Qiuchang, YAN Shunchang, MENG Yazhen, GU Yunxia, NING Qiaoming, LI Na, WANG Zhihua* .....(817)

- The effect of cardiomyocytes derived from human dental-origin iPSCs on cardiac repair in murine model of acute myocardial infarction  
*TAN Xiaobing, WANG Ruxian, LYU Meirong, SUN Xianfeng, LYU Naying, DAI Qingyuan* .....(822)
- Experimental study of huxintongluo decoction on rabbit atherosclerosis by intervening CETP mediated lipid metabolism  
*WANG Hua, HE Xiong* .....(827)

### Clinical Research

- Changes of serum H<sub>2</sub>S in patients with osteoporosis and its clinical significance  
*TAN Bo, HU Jiang, LU Bing, YUAN Jiabin, WEI Dan, ZHU Zongdong, LIAO Feng, TANG Xiaoming* .....(832)

Effects of seasonal and temperature changes on blood glucose levels in patients with acute cerebral infarction <i>WEI Miaomiao, XIA Xiaoshuang, WANG Lin, LI Xin</i>	(836)
Risk factors for vascular dementia in patients with nonvalvular atrial fibrillation: a case-control study <i>HE Hongmei, SUN Jian, WANG Huanhuan, MA Shujing, ZHANG Haiyan, ZOU Yu'an, XUE Qian, SONG Aixia</i>	(840)
Risk factors and establishment of nomogram model for cardiac insufficiency combined with arteriosclerosis obliterans <i>ZHANG Xiaoshan, LIU Ming, ZHANG Yudong, JI Bo</i>	(844)
Effects of different administration timing of butorphanol on oxidative stress and inflammatory response of ischemia-reperfusion injury induced by orthopaedic tourniquet <i>PENG Yaqi, WANG Dan, ZHAO Lixia, YUAN Dajiang</i>	(849)

## **Applied Research**

Correlation between ultrasonographic features and molecular subtypes of early mass-type breast invasive ductal carcinoma <i>ZHANG Yu, LIU Liangsheng, MA Wenjuan, HAN Min, ZHU Ying, LU Hong</i>	(853)
The diagnostic values of WMR, MLR and their combination in the severity of coronary artery disease <i>LIU Yixiang, FAN Wenjun, DING Zhenjiang, ZHANG Ying, SHI Fei, LIU Jingyi, SUN Lixian</i>	(859)
Construction and validation of the nomogram predictive model for recurrence risk after primary meningioma resection <i>JI Hui, ZHOU Linling, YU Lan, JIANG Wei</i>	(863)
The study on the TNF- $\alpha$ -hs-CRP double-labeled time-resolved fluorescence immunoassay for early screening and diagnosis of sepsis <i>LI Yunpeng, HAO Peiyuan, CAO Xueming, YAN Zhaoxue, WANG Enfeng, HUANG Shuman, DAI Rongqin</i>	(868)

## **Drug Clinical Evaluations**

Effects of camrelizumab combined with chemotherapy on serum miR-21 and soluble E-cadherin in patients with advanced esophageal cancer <i>HU Jiahai, XUE Song, CHEN Quan</i>	(873)
Effects of different doses of dexamethasone on iliac fascia block of ropivacaine under ultrasound guidance <i>WANG Dan, ZHAO Lixia, PENG Yaqi, YUAN Dajiang</i>	(878)
Efficacy and safety analysis of tofacitinib and yisaipu combined with methotrexate in the treatment of refractory rheumatoid arthritis <i>LUO Huan, ZHANG Xia, FENG Yara, ZHAO Yue, REN Zhanfen, YANG Jinliang, ZHENG Xuejun</i>	(883)

## **Review**

The research progress on the mechanism of Wnt/ $\beta$ -catenin signaling pathway involved in multiple myeloma <i>XU Jiawei, GUO Yihui, SONG Hui, CHENG Weimin</i>	(888)
Research progress on effects of sevoflurane on apoptosis related signal pathways of hippocampal neurons <i>XIE Yunfan, LIU Mi, TIAN Yi</i>	(892)