

# 临床心血管病杂志

LINCHUANG XINXUEGUANBING ZAZHI

月刊 1985 年 7 月创刊 第 31 卷 第 3 期(总第 261 期) 2015 年 3 月 25 日出版

主 管  
中华人民共和国教育部

主 办  
华中科技大学 心血管病研究所  
协 和 医 院

编 辑  
《临床心血管病杂志》编辑委员会

主 编  
廖玉华

杂志社社长  
胡豫

出 版  
《临床心血管病杂志》编辑部  
430022, 武汉市解放大道 1277 号  
电话:(027) 85726342—8821  
传真:(027) 85727988  
网址:www.whuhzzs.com  
电子信箱:LCXXGBZZ@qq.com

印 刷  
武汉湖印印务有限责任公司

发 行  
国内:湖北省邮政报刊发行局  
国外:中国国际图书贸易集团公司  
(北京车公庄西路 35 号,100048)

订 购  
全国各地邮局  
邮发代号:38—123

邮 购  
《临床心血管病杂志》编辑部  
430022, 武汉市解放大道 1277 号  
电话:(027) 85726342—8035

定 价  
每期 16.00 元,全年 192.00 元

中国标准刊号  
ISSN 1001—1439  
CN 42—1130/R

广告经营许可证  
4201004000319



2015 年版权归《临床心血管病杂志》编辑部所有

## 专家论坛

心房颤动病理生理机制的最新认识

杜以梅 张家明 李景东(231)

## 综述

lncRNA 与 miRNA 相互调控作用及与心血管疾病的关系

廖江铨 刘咏梅 王阶(234)

TGR5 与代谢综合征 郑建梅 冯健 李家富(238)

## 心律失常/离子通道病专栏

心房肌钙转运调控蛋白的表达改变与增龄及心房颤动关系的实验研究 董丽君 许国军 周贤惠 等(241)

新型心房自动阈值管理功能 ACap<sup>TM</sup> confirm 的临床探索

折剑青 谢冰清 张卫萍(245)

携带人 HCN4 与 Tbx3 基因慢病毒的构建

董皓 王丽君 程晓曙 等(248)

黄芪总黄酮与丹参酮ⅡA 磺酸钠对病毒性心肌炎小鼠心肌细胞内质网伴侣蛋白及 L-型钙通道表达的作用 周晓敏 陶谢鑫 杨洋 等(254)

CHA<sub>2</sub>DS<sub>2</sub>-VASc 评分有助于房颤脑卒中和(或)血栓栓塞预防性抗凝治疗的规范化 Meta 分析 朱文根 熊琴梅 洪葵(257)

平均心率与持续性心房颤动经导管射频消融术后复发的相关研究 郑甲林 郭涛 陈明龙 等(264)

氯离子通道-6 基因位点 rs3737964 单核苷酸多态性与冠心病的关系 张莉 张涛 程龙献(267)

胺碘酮对老年人急性心肌梗死合并快速心室率心房颤动的疗效观察 李慧(273)

炎症反应与心肌梗死后交感神经重构 方帆 蒋桔泉(276)

国产封堵器治疗膜部室间隔缺损并发心律失常的分析及两种防治措施对心律失常转归的影响 陈章强 姚蕙 洪浪 等(279)

## 介入治疗

肾功能相对正常的急性冠脉综合征患者 PCI 术后不同定义的对比剂肾病发生率和近期预后 吴河 张丰富 叶飞 等(283)

磺达肝癸钠用于急性冠脉综合征 PCI 术后并发 HIT-II 患者的抗凝疗效及安全性观察

..... 赵普宇(287)

### 心脏移植

二维斑点追踪技术评价心脏移植患者左室重构对左室整体收缩功能的影响

..... 章小娟 谢明星 李贺 等(292)

### 冠心病

冠状动脉病变 SYNTAX 积分影响因素分析 ..... 盛建龙 王晓晨 许邦龙 等(296)

冠心病患者阿司匹林抵抗与调节性 T 细胞的关系 ..... 陈英全 郑创建 梁美方 等(299)

中性粒细胞/淋巴细胞比例对急性前壁心肌梗死患者急性期左心功能不全的预测价值

..... 孙筱笛 刘国男(302)

### 高血压

原发性高血压患者血清 vaspin 水平与血压及 UACR 关系的研究 ..... 高干 马琦琳 刘伟琦(306)

老年原发性高血压合并代谢综合征患者血浆内皮微粒的变化 ..... 李妙男 王洪巨 黄宇理 等(310)

联合大剂量缬沙坦对透析充分后顽固性高血压的疗效观察

..... 李文宏 殷玉敏 何芸 等(314)

### 临床基础研究

环孢素 A 对冠心病及再狭窄免疫机制的干预研究 ..... 胡越成 张赫男 张茹艳 等(318)

DPP4 抑制剂调节糖尿病大鼠血管内皮硫氧还蛋白系统 ..... 刘贊 戚本玲 刘丽华 等(323)

血脂康对腹主动脉缩窄高血压大鼠左心室肥大的影响 ..... 李铁 杨柳(326)

吉非替尼通过抑制 EGFR 磷酸化特异性地抑制大鼠血管平滑肌细胞的增殖

..... 罗健 肖婷 王苏燕 等(331)

### 研究报告

房颤患者左心房内径与血清骨保护素及其受体轴的关系及临床意义

..... 张韩 李彦明 刘枫 等(334)

血糖控制水平对糖尿病并发急性心肌梗死患者远期预后的影响

..... 李文涛 高传玉 李牧蔚 等(337)

低月龄低体重先天性心脏病的外科治疗 ..... 吕瑛 刘召明 王军 等(339)

### 病例报告

心包积液原因待查——心脏血管肉瘤 1 例 ..... 彭飞 凌怡 潘力健 等(343)

AAI 临时起搏控制急性心肌梗死后电风暴 1 例 ..... 黄颖 罗素新 章数 等(345)

应用 Watchman 封堵器经皮封堵左心耳 1 例 ..... 张飞龙 陈良龙 陈学海 等(347)

# JOURNAL OF CLINICAL CARDIOLOGY

Monthly      Established in Jul,1985    Vol 31 No 3 (T No 261)    Publication date: Mar 25,2015

<b>Supervisor</b> Ministry of Education of People's Republic of China
<b>Sponsor</b> Union Hospital, Institute of Cardiovascular, Huazhong University of Science and Technology
<b>Editing</b> Editorial Board of Journal of Clinical Cardiology (China) Add: 1277, Jiefang Road, Wuhan 430022 Tel: (027) 85726342-8821 Fax: (027) 85727988
<b>Chief Editor</b> LIAO Yuhua
<b>Managing Director</b> HU Yu
<b>Publishing</b> Publishing House, Union Hospital, Wuhan Add: 1277 Jiefang Road, Wuhan 430022 Tel: (027) 85726342-8821 Fax: (027) 85727988 <a href="http://www.whuhzs.com">http://www.whuhzs.com</a> E-mail: LCXXGBZZ@qq.com
<b>Printing</b> Wuhan Huyin Printing Co., Ltd
<b>Overseas Distributor</b> China International Book Trading Corporation 35 Chegongzhuang Xilu, Beijing, 100048, China
<b>Mail-Order</b> Circulation Section of Publishing House, Union Hospital, Wuhan
<b>CSSN</b> ISSN 1001-1439 CN 42-1130/R
<b>Copyright</b> © 2015 by the Editorial Department of Journal of Clinical Cardiology

## CONTENTS OF ENGLISH

### Expert Forum

#### The current understanding on pathophysiology of atrial fibrillation

..... DU Yimei ZHANG Jiaming LI Jingdong(231)

### Review

#### The interaction between lncRNA and miRNA and the relation with cardiovascular diseases

..... LIAO Jiangquan LIU Yongmei WANG Jie(234)

### TGR5 and metabolic syndrome

..... ZHENG Jianmei FENG JIAN LI Jiafu(238)

### Special Column for Arrhythmia/Lon Channel Disease

#### Experimental study about alterations in the expression of atrial calcium transport handling proteins during aging and atrial fibrillation

..... DONG Lijun XU Guojun ZHOU Xianhui et al(241)

#### The new atrial threshold monitoring algorithm: clinical observation of ACap™ confirm

..... SHE Jianqing XIE Bingqing ZHANG Weiping(245)

#### Construction lentivirus of carrying human genes HCN4 and Tbx3

... DONG Hao WANG LiJun CHENG XiaoShu et al(248)

#### Effect of total flavonoids of astragalus and sodium Tanshinone II-A sulfonate on gene expression of L-type calcium channels and expression level of endoplasmic reticulum haperone in mouse myocardium with myocarditis caused by coxsackievirus B3

..... ZHOU Xiaomin TAO XieXin YANG Yang et al(254)

#### Meta analysis of CHA<sub>2</sub>DS<sub>2</sub>-VASc contributing to standardization management of the prophylactic anticoagulation therapy of TE and/or stroke in AF patients

..... ZHU Wengen XIONG Qinmei HONG Kui(257)

#### Relationship between average heart rate and recurrence of patients with persistent atrial fibrillation treated by radiofrequency

..... ZHENG Jialin GUO Tao CHEN Minglong et al(264)

#### Association between polymorphism of chloride channel-6 rs3737964 gene and coronary heart disease

..... ZHANG Li ZHANG Tao CHENG Longxian(267)

#### The effects of amiodrone on rapid ventricle rate atrial fibrillation in elder patients with acute myocardial infarction

..... LI Hui(273)

#### Relationship between inflammatory response and sympathetic nerve remodeling

..... FANG Fan JIANG Juquan(276)

#### The analysis of arrhythmia complicated during catheter closure of perimembranous ventricular septal defect with the home-made occluder and the effect of two prevention measures on the arrhythmia outcome

..... CHEN Zhangqiang YAO Yi HONG Lang et al(279)

## **Coronary Inter Vention**

**Incidence and in-hospital outcomes of contrast-induced nephropathy based on different definitions in patients with acute coronary syndrome and relative normal renal function**

..... WU He ZHANG Fengfu YE Fei et al(283)

**Efficacy and safety of fondaparinux in heparin induced thrombocytopenia-II patients with acute coronary syndromes after percutaneous coronary intervention** ..... ZHAO Puyu(287)

## **Heart Transplant**

**Evaluation of the effect of left ventricular remodeling on left ventricular global systolic function with heart transplantation by 2-dimensional speckle tracking echocardiography imaging**

..... QIN Xiaojuan XIE Mingxing LI He et al(292)

## **Coronary Disease**

**Influencing factors of SYNTAX score in patients with coronary heart disease**

..... SHENG Jianlong WANG Xiaochen XU Banglong et al(296)

**Correlation between aspirin resistance and regulatory T cells in patients with coronary heart disease**

..... CHEN Yingquan ZHENG Chuangjian LIANG Xianfang et al(299)

**Prognostic value of the neutrophil-lymphocyte ratio in acute anterior myocardial infarction patients with acute left cardiac insufficiency** ..... SUN Xiaodi LIU Guinan(302)

## **Hypertension**

**Correlations of serum vaspin concentration with blood pressure and UACR in patients with essential hypertension**

..... GAO Gan MA Qilin LIU Weiqi(306)

**The changes of plasma endothelial microparticles in elderly patients with both essential hypertension and metabolic syndrome** ..... LI Miaonan WANG Hongju HUANG Yuli et al(310)

**Efficacy of combined treatment with high dose of Valsartan in patients with resistant hypertension after fully hemodialysis** ..... LI Wenhong YIN Yumin HE Yun et al(314)

## **Clinical Basic Research**

**The intervention study of the effect of cyclosporin A on the immunologic mechanism of coronary heart disease and restenosis** ..... HU Yuecheng ZHANG Henan ZHANG Ruyan et al(318)

**The effect of DPP-4 inhibitor on vascular endothelial thioredoxin system in diabetes rats**

..... LIU Yun QI Benlin LIU Lihua et al(323)

**The effect of XZK on left ventricular hypertrophy in AAC-induced hypertensive rats**

..... LI Tie YANG Liu(326)

**Gefitinib specifically inhibits vascular smooth muscle cells proliferation by suppressing EGFR phosphorylation**

..... LUO Jian XIAO Ting WANG Suyan et al(331)

## **Research Report**

**Correlative study on relationship between serum OPG/RANKL Axis and left atrial diameter in atrial fibrillation patients** ..... ZHANG Han LI Yanming LIU Feng et al(334)

**Effects of blood glucose control on long-term prognosis in patients with acute myocardial infarction and type 2 diabetes mellitus** ..... LI Wentao GAO Chuanyu LI Muwei et al(337)

**Surgical treatment for congenital heart disease in low months and low weight infants**

..... LV Ying LIU Zhaoming WANG Jun et al(339)

## **Case Report**

**A case of large pericardial effusion: primary cardiac angiosarcoma**

..... PENG Fei LING Yi PAN Lijian et al(343)

**Ventricular electrical storm after acute myocardial infarction controlled by AAI temporary pace maker: one case report** ..... HUANG Ying LUO Suxin QIN Shu et al(345)

**Percutaneous closing left atrial appendage in a patient with atrial fibrillation by using watchman occluder**

..... ZHANG Feilong CHEN Lianglong CHEN Xuehai et al(347)