

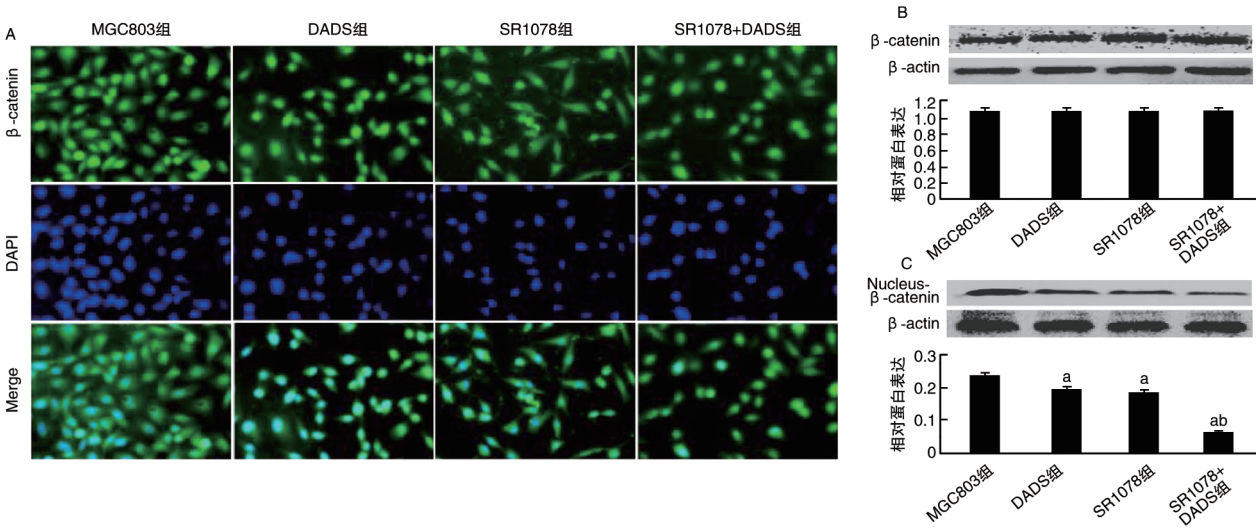
Medical Science Journal of
Central South China

中南医学科学杂志
Zhongnan Yixue Kexue Zazhi

DADS通过RORα/β-catenin抑制人胃癌MGC803细胞侵袭与EMT

赵晓红^{1,2}, 苏坚^{1,3}, 苏波^{1,4}, 夏红¹, 刘芳¹, 苏琦^{1,3}

1.南华大学衡阳医学院肿瘤研究所 湖南省肿瘤细胞与分子病理学重点实验室, 湖南衡阳 421001; 2.海南省妇女儿童医学中心妇保科, 海南海口 570206; 3.南华大学衡阳医学院附属第二医院病理科 湖南省胃癌防治临床研究中心, 湖南衡阳 421001; 4.南华大学衡阳医学院药物药理研究所 湖南省高校药物蛋白质组学重点实验室, 湖南衡阳 421001



ISSN 2095-1116



2023年7月

第4期
第51卷

中南医学科学杂志

ZHONGNAN YIXUE KEXUE ZAZHI

双月刊

1973 年创刊

第 51 卷第 4 期

2023 年 7 月出版

主 管

湖南省教育厅

主 办

南华大学

学术支持单位

衡阳市中心医院

常德市第一人民医院

编辑出版

《中南医学科学杂志》编辑部

地址：湖南省衡阳市，南华大学内

邮政编码：421001

电话：0734-8160781

E-mail: znyxkzz@vip.163.com

网址：http://nhqks.cnjournals.com/yx/

主 编

文格波

副主编

吴移谋 姜志胜

雷小勇 容益康

编辑部主任

李小玲

广告经营许可证号

4304047440022

印 刷

长沙市和一印刷设备有限公司

发 行

国内：中国邮政集团公司湖南省报刊发行局

国外：中国国际图书贸易集团有限公司

(中国北京 399 信箱,100044)

订 购

全国各地邮局

邮发代号：国内 42-396

国外 Q4353

邮 购

《中南医学科学杂志》编辑部

定 价

每期 10 元,全年 60 元

国际标准连续出版物号

ISSN 2095-1116

国内统一连续出版物号

CN 43-1509/R

本刊若有印刷和装订质量问题，
请向编辑部对换。

目 次

· 特约约稿 ·

ELOVL2 和 SLC11A1 基因多态性与新疆地区人群结核病易感性的

相关性 于晋杰,王泉,刘海灿,

刘梦文,袁秀琴,李桂莲,肖开提·米吉提,万康林(469)

· 基础医学 ·

DADS 通过 ROR α / β -catenin 抑制人胃癌 MGC803 细胞侵袭与 EMT

..... 赵晓红,苏坚,苏波,夏红,刘芳,苏琦(475)

NU7026 抑制 DNA-PKcs 对辐射旁效应中 L-02 细胞增殖、凋亡、

抗氧化的影响 万丹婷,周洁,朱子豪,邓蒸蒸,雷鹏渊,黄波(481)

低剂量铜暴露抑制 ALS 小鼠延髓线粒体自噬

..... 张欢,杨晓,高川月,杨细飞(486)

低级胶质瘤候选靶标及预后标志物 SLC4A 家族的生物信息学分析

..... 刘红云,张金峰,莫黎怡,李国庆,孟莉娟(492)

基于生物信息学分析 ZNF217 在低级别胶质瘤中表达的临床意义

..... 李雪芳,陈威,谢安娜,杨佳雯,李国庆,杨南扬(497)

ERA 实时荧光法快速检测鸚鵡热衣原体方法的建立

..... 蒋婷清,杨涛,唐红花,王萍,何军,邓仲良(502)

黄芪甲苷对脊髓损伤及脊髓胶质细胞凋亡的影响

..... 刘铭,张雷,冯建宏,董济民(507)

UCH37 与 MARCH8 表达对宫颈癌细胞增殖、迁移、侵袭的影响

..... 黄丽,龚豪,张春莲,方彩云(512)

· 临床医学 ·

万古霉素氢氧化钙骨水泥治疗下肢长骨慢性骨髓炎的临床疗效

..... 詹和道,姚江凌,崔红旺(516)

微生态制剂联合美沙拉嗪对溃疡性结肠炎疗效及血清炎症因子

影响的 Meta 分析 杨润清,黄克林,刘扬,刘青,杨博,路明(520)

沙库巴曲缬沙坦钠联合达格列净片对 T2DM 合并 HF 患者血清

NT-proBNP、心肌重塑及血糖控制的影响

..... 崔娟,于新宇,孙晓平,苏莉(524)

结直肠癌组织中肿瘤相关中性粒细胞和 IL-17a 的临床病理意义

..... 吴共发,赖剑龙,刘钰君,曾宇婷,姚雨江,姚金科(528)

术前髂内动脉栓塞灌注化疗对早期宫颈癌组织 HIF-1 α 、JMJD2B 及

病灶血流灌注的影响 袁志英,苗晓红(532)

OME 伴腺样体肥大患儿 TTI 联合腺样体切除术后复发因素的分析	刘晓峰, 王登茂, 崔莉, 史雅楠, 倪芳, 王红波, 耿江桥(537)
T2DM 患者 GDF-15、NRG4 水平对并发甲状腺功能亢进的预测价值	王丽萍, 刘云, 柴巧英, 史冬丹, 李欣欣(541)
血清骨代谢标志物及肿瘤标志物水平与肺癌发生骨转移的相关性分析	崔泽军, 吴琼, 马海洋, 王雪臣, 张明明, 张勇, 王志武(545)
大学生心理健康素养与抑郁的相关性分析	万维仪, 崔泽文, 谢媛, 张天成(549)
孟鲁司特钠联合布地奈德福莫特罗对 COPD 患者肺功能及炎症介质、BNP、ApoA1 的影响	张若丹, 柯英, 曹美, 吴雨虹(554)
能谱 CT 灌注成像在早期脑梗死病情程度鉴别中的应用	果鑫园, 张宁, 柯密密, 孙莹(558)
慢性心力衰竭患者血清 cTnI、sSema4D、GDF-15 与心功能、心室重构的关系	朱亮, 张慧, 赵翰文(561)
STEMI 患者 PCI 术后血清 PDGF、Ang-1 水平与预后的关系	毕松杰, 张成伟, 尹锐, 贾国渠(564)
STEMI 患者低血清白蛋白及不良事件的关系及其危险因素分析	梁鹏, 卫琪, 余道友(568)
ARF 患者气管插管后低血压的危险因素及预后分析	张丽丽, 徐月文, 彭文清(571)
RISK-PCT 评分对冠心病患者 PCI 术后 MACE 的预测价值	冯怡, 李昊旻, 代传忠, 李鹏鹏(575)
门冬氨酸鸟氨酸联合乳果糖对老年肝性脑病疗效和 NSE 的影响	刘宁静, 于慧静, 曹晓春(579)
醋延胡索、独一味颗粒联合穴位敷贴在肛肠疾病术后镇痛中的效果观察	万崇鑫, 母艳(582)
妊娠期孕妇 GBS 感染及预防性抗生素干预对妊娠结局的影响	李妙洪, 何美霞, 黄小娟(585)
Bcl-2 和 Caspase-9 对儿童癫痫持续状态近期预后的预测价值	张芳, 王建忠, 李学超, 张冬艳(589)
CRP/ALB、LMR 对溃疡性结肠炎内镜下病情严重程度的评估价值	吴银亚, 郑扬, 陈旭峰(592)
口腔正畸患者牙周疾病的影响因素及 OPG、炎症因子、PLI 对其的预测价值分析	林维龙, 吴晓沛, 申叶春, 安峰(595)
多发性肝癌肝切除术患者远期预后的影响因素分析	刘小虎, 徐永建, 夏云连(599)
自身免疫性胃炎并发结肠息肉患者 CagA、胃黏膜功能和自身抗体的变化	杨盼, 贺赛玉, 黄定鹏, 陈英英, 乔思竹(603)

• 文献综述 •

神经内分泌调控药物在慢性心力衰竭治疗中的应用进展	朱杰, 鲍远林, 储岳峰, 李小溪, 周鑫, 仲威, 卞石惠(607)
基于 MOMP 衣原体疫苗的研究进展	李勇浩, 王宗保, 王川(611)
DM 妊娠的危害和干预方式的研究进展	陈志颜, 杨勇, 陈帅, 刘寅(615)
转录调控因子介导细菌耐药性和耐受性的研究进展	皮锐, 李德辉(618)
B 族维生素在缺血性卒中伴 2 型糖尿病中的研究进展	邹雅娇, 陈勇军, 汤永红(622)

• 公益广告 • 封二, 封三

Medical Science Journal of Central South China

Bimonthly, Established in 1973

Volume 51, Number 4

July, 2023

Responsible Institution

Department of Education of
Hunan Province

Sponsoring Institution

University of South China

Academic Support Unit

Central Hospital of Hengyang
The First People's Hospital of
Changde

Editor and Publisher

Editorial Department of Medical
Science Journal of Central
South China
University of South China,
Hengyang, Hunan 421001, China
Tel: 0734-8160781
E-mail: znyxkzzz@vip.163.com
http://nhqks.cnjournals.com/yx/

Editor-in-chief

WEN Gebo

Associate Editor-in-chief

WU Yimou JIANG Zhisheng
LEI Xiaoyong RONG Yikang

Managing Director

LI Xiaoling

Printing

Changsha Heyi Printing Equipment
Co., Ltd.

Overseas Distributor

China International Book
Trading Cooperation
P. O. box 399, Beijing, China
Code No. Q4353

Domestic Subscription

Post Office, China
Code No. 42-396

Mail-Order

Editorial Staff of Medical
Science Journal of Central
South China

CSSN

ISSN 2095-1116
CN 43-1509/R

Price

¥ 10.00

This issue was edited by
ZHU Wenxia

CONTENTS

• SPECIAL CONTRIBUTION •

Association of ELOVL2 and SLC11A1 gene polymorphisms with tuberculosis susceptibility in Xinjiang
population YU Jinjie, WANG Quan, LIU Haican,
LIU Mengwen, YUAN Xiuqin, LI Guilian, MIJITI Xiaokaiti, WAN Kanglin(469)

• BASIC MEDICINE •

DADS inhibits invasion and epithelial mesenchymal transition of human gastric cancer MGC803 cells
through ROR α / β -catenin signaling pathway
..... ZHAO Xiaohong, SU Jian, SU Bo, XIA Hong, LIU Fang, SU Qi(475)
Influences of NU7026 on proliferation, apoptosis and anti-oxidative ability of L-02 cells in radiation-
induced bystander effects by inhibiting DNA-PKcs WAN Danting, ZHOU Jie,
ZHU Zihao, DENG Zhengzheng, LEI Pengyuan, HUANG Bo(481)

Low-dose copper exposure inhibited mitophagy in medulla oblongata of ALS mice
..... ZHANG Huan, YANG Xiao, GAO Chuanyue, YANG Xifei(486)

SLC4A gene family as candidate targets and prognostic biomarkers for low-grade glioma by bioinformatics
analysis LIU Hongyun, ZHANG Jinfeng, MO Liyi, LI Guoqing, MENG Lijuan(492)

The clinical significance of ZNF217 expression in low-grade gliomas based on bioinformatics analysis
..... LI Xuefang, CHEN Wei, XIE Anna, YANG Jiawen, LI Guoqing, YANG Nanyang(497)

Establishment and application of ERA real-time fluorescence method for rapid detection of
Chlamydia psittaci JIANG Tingqing, YANG Tao,
TANG Honghua, WANG Ping, HE Jun, DENG Zhongliang(502)

Effects of astragaloside IV on spinal cord injury and apoptosis of spinal cord glial cells
..... LIU Ming, ZHANG Lei, FENG Jianhong, DONG Jimin(507)

Effects of UCH37 and MARCH8 on proliferation, migration and invasion of cervical cancer cells
..... HUANG Li, GONG Hao, ZHANG Chunlian, FANG Caiyun(512)

• CLINICAL MEDICINE •

Clinical effect of vancomycin calcium hydroxide bone cement on chronic osteomyelitis of lower extremity
..... ZHAN Hedao, YAO Jiangling, CUI Hongwang(516)

Meta analysis of effects of probiotics combined with mesalazine on treatment and serum
inflammatory factors in ulcerative colitis
..... YANG Runqing, HUANG Kelin, LIU Yang, LIU Qing, YANG Bo, LU Ming(520)

Effects of sacubarb valsartan sodium combined with dapagliflozin tablets on serum NT-proBNP,
myocardial reconstitution and FBG control in patients with T2DM and HF
..... CUI Juan, YU Xinyu, SUN Xiaoping, SU Li(524)

Clinicopathological significance of tumor-associated neutrophils and IL-17a in colorectal cancer
..... WU Gongfa, LAI Jianlong, LIU Yujun, ZENG Yuting, YAO Yujiang, YAO Jinke(528)

Effects of preoperative internal iliac artery chemoembolization on lesion blood perfusion, HIF-1 α ,
JMJD2B of early cervical cancer YUAN Zhiying, MIAO Xiaohong(532)

Analysis of recurrence factors after TTI combined with adenoidectomy in OME children with adenoid hypertrophy	LIU Xiaofeng, WANG Dengmao, CUI Li, SHI Ya'nan, NI Fang, WANG Hongbo, GENG Jiangqiao(537)
Predictive value of GDF-15 and NRG4 levels in patients with T2DM complicated by hyperthyroidism	WANG Liping, LIU Yun, CHAI Qiaoying, SHI Dongdan, LI Xinxin(541)
Correlation between serum levels of bone metabolic and tumor markers and development of bone metastasis in lung cancer	CUI Zejun, WU Qiong, MA Haiyang, WANG Xuechen, ZHANG Mingming, ZHANG Yong, WANG Zhiwu(545)
Correlation between mental health literacy and depression symptoms among college students	WAN Weiye, CUI Zewen, XIE Yuan, ZHANG Tiancheng(549)
Effects of montelukast combined with budesonide on pulmonary function, inflammatory mediators, BNP, and ApoA1 in patients with COPD	ZHANG Ruodan, KE Ying, CAO Mei, WU Yuhong(554)
Application of energy spectrum CT perfusion imaging in distinguishing the severity of early cerebral infarction	GUO Xinyuan, ZHANG Ning, KE Mimi, SUN Ying(558)
Relationship between serum cTnI, sSema4D, GDF-15 and cardiac function, ventricular remodeling in patients with chronic heart failure	ZHU Liang, ZHANG Hui, ZHAO Hanwen(561)
The relationship between serum PDGF, Ang-1 and prognosis in STEMI patients after PCI	BI Songjie, ZHANG Chengwei, YIN Rui, JIA Guoqu(564)
Analysis of the relationship and risk factors between low serum albumin and adverse events in STEMI patients	LIANG Peng, WEI Qi, YU Daoyou(568)
Analysis of risk factors and prognosis of post-intubation hypotension in patients with ARF	ZHANG Lili, XU Yuewen, PENG Wenqing(571)
Predictive value of RISK-PCT score for MAEC in patients with coronary heart disease after PCI	FENG Yi, LI Haomin, DAI Chuanzhong, LI Pengpeng(575)
Effect of ornithine aspartate combined with lactulose on curative effects and NSE in elderly patients with hepatic encephalopathy	LIU Ningjing, YU Huijing, CAO Xiaochun(579)
Observation of the effects of vinegar yanhuosuo and duiyiwei granule combined with acupoint application in postoperative analgesia of hepatointestinal diseases	WAN Chongxin, MU Yan(582)
GBS infection in pregnant women and the effects of prophylactic antibiotic intervention during delivery on pregnancy outcome	LI Miaohong, HE Meixia, HUANG Xiaojuan(585)
Prognostic value of serum Bcl-2 and Caspase-9 in children with status epilepticus	ZHANG Fang, WANG Jianzhong, LI Xuechao, ZHANG Dongyan(589)
The value of CRP/ALB and LMR in evaluating the severity of ulcerative colitis under endoscopy	WU Yinya, ZHENG Yang, CHEN Xufeng(592)
The influencing factors of periodontal disease in orthodontic patients and the predictive value of OPG, inflammatory factors and PLI	LIN Weilong, WU Xiaopei, SHEN Yechun, AN Feng(595)
Influencing factors of long-term prognosis in patients with multiple hepatocellular carcinomas undergoing hepatectomy	LIU Xiaohu, XU Yongjian, XIA Yunlian(599)
Changes of CagA, gastric mucosa function and autoantibody in patients with autoimmune gastritis complicated with colonic polyps	YANG Pan, HE Saiyu, HUANG Dingpeng, CHEN Yingying, QIAO Sizhu(603)

• LITERATURE REVIEW •

Application progress of neuroendocrine regulatory drugs in the treatment of chronic heart failure	ZHU Jie, BAO Yuanlin, CHU Yuefeng, LI Xiaoxi, ZHOU Xin, ZHONG Wei, BIAN Shihui(607)
Research progress on MOMP based chlamydia vaccine	LI Yonghao, WANG Zongbao, WANG Chuan(611)
Research progress on the harm and intervention methods of DM pregnancy	CHEN Zhiyan, YANG Yong, CHEN Shuai, LIU Yin(615)
Advances in transcription factor-mediated antibiotic resistance and tolerance in bacteria	PI Rui, LI Dehui(618)
Research progress of vitamin B in ischemic stroke with type 2 diabetes	ZOU Yajiao, CHEN Yongjun, TANG Yonghong(622)

• PUBLIC SERVICE ANNOUNCEMENT • Cover 2, Cover 3



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

中南医学科学杂志

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

2022年12月

