

Q K 1 7 3 6 6 9 7

ISSN 1673-4254
CN 44-1627/R

南方医科大学学报

NANFANG YIKE DAXUE XUEBAO
Journal of Southern Medical University



9

2017

Vol.37 No.9

南方医科大学学报

第 37 卷 第 9 期 2017 年 9 月

目 次

基础研究

- 1149 抗恶性黑素瘤单链抗体-鱼精蛋白融合蛋白表达载体的构建及评价
王昊, 杨一飞, 王炜, 管冰, 寻萌, 张海, 王宇玲, 赵勇
- 1164 MRP8/MRP14诱导腹腔巨噬细胞释放炎性细胞因子
王娟, 李磊, 罗海华, 姜勇
- 1171 电针对食蟹猴单侧前交叉韧带损伤后本体感觉的影响
张磊, 李义凯, 祁冀, 张少群, 平瑞月, 周鑫, 喻林, 刘锐锋, 扶世杰
- 1178 邻苯二甲酸二-(2-乙基己)酯对血睾屏障完整性的损伤及机制
沈炼桔, 唐向亮, 龙春兰, 曹希宁, 魏仪, 王养才, 孙茫, 周玥, 刘洋, 刘博, 黄方圆, 魏光辉
- 1183 siRNA干扰微管微丝交连因子1表达增强替莫唑胺诱导的胶质瘤细胞毒性
谢思迪, 陈子阳, 王海, 何敏毅, 陆云涛, 雷炳喜, 李和珍, 刘亚伟, 漆松涛
- 1190 脊髓5-羟色胺受体参与延髓外侧网状核对大鼠心脏伤害性感受的下行性抑制调控
韩曼, 刘晓华, 杜剑青
- 1195 杏仁中央核μ-阿片受体介导大鼠钠盐的摄入
闫君宝, 胡志红
- 1206 桑根酮C通过激活 caspase 3 及 caspase 9 诱导前列腺癌 PC3 细胞凋亡
周萍, 董晓先, 汤平
- 1211 巨头刺草皂甙D对人肝癌 Hep 3b 细胞的抑制作用
谢淑雯, 王燕妮, 罗慧燕, 卢子滨, 余林中, 刘俊珊
- 1217 血管内皮生长因子与色素上皮衍生因子在糖尿病猕猴视网膜病变早期的表达
陈镜妃, 罗启慧, 黄超, 刘文涛, 曾文, 高琪, 陈革, 陈兵, 陈正礼
- 1228 丁苯酞对 A β 25-35 诱导的阿尔茨海默病细胞模型的保护作用
谢婧雯, 赵艳, 奉夏露, 林芳波, 罗静, 刘鑫, 侯德仁

临床研究

- 1143 腰椎间盘突出伴马尾神经综合征患者延迟手术减压的长期随访分析
赖勋维, 李威, 王吉兴, 张辉见, 彭红梅, 杨德鸿
- 1156 高通量测序分析结肠腺瘤患者肠道黏膜菌群的构成变化
陆颖影, 曾悦, 胡国勇, 王兴鹏
- 1201 长效干扰素治疗慢性乙型肝炎引发的精神心理异常及干预治疗效果分析
胡承光, 袁国盛, 黄华萍, 刘俊维, 周宇辰, 任彦瑜, 李园, 谭文娟, 苏梅蕾, 周元平
- 1222 640层3D-CTA联合3D打印脑动脉瘤成像的临床价值
周路球, 娄明武, 陈国昌, 纪智松, 申云霞, 鲁琳
- 1234 Wnt及整合素信号通路在大肠侧向发育型肿瘤中的表达及与其内镜形态学之间的关系
吴杰, 霍继荣, 王东, 汪春莲, 吕梁
- 1242 正常成人脑部皮层下灰质结构的3D pc-ASL灌注成像的可重复性
刘梦琦, 陈志晔, 马林
- 1248 基于MRI图像的眼眶脂肪体积定量测定方法
蔡秋月, 陈智毅, 蒋薇, 罗耀升, 李章芳, 胡世弟, 沈洁

- 1252** DR与MR全脊柱成像技术在退行性脊柱病诊断中的效果对比
胡绍勇,崔运能,赵银霞,陆明,李绍林
- 1256** 牙周干预治疗降低口腔颌面部肿瘤患者术后的下呼吸道感染
游杰,杨雅洁,刘丽燕,胡琛
- 1261** 腹腔镜下直肠前切除术中保留左结肠动脉对促进患者术后的康复作用
刘云庚,张磊,黄箕然,易金容,方传发,夏来阳,刘红权,易建中
- 1270** 中性粒细胞单核细胞乘积联合血肌酐诊断急性胰腺炎严重程度的价值
刘江,白杨,阿孜古丽·阿不都热依木,张亚历
- 1274** 抗白细胞介素-17抗体治疗斑块状银屑病的系统评价
范小冬,向霞,张春燕,孔文强,周春阳,杜彪

技术方法

- 1265** 微滴式数字PCR(ddPCR)快速检测 α 珠蛋白基因 $\alpha\alpha\alpha^{\text{anti-3,7}}$ 三联体
龚小倩,杨学煌,乔伶俐,陈亚军,周万军

病例报告

- 1280** 手术治疗巨大胸腺瘤伴重症肌无力1例报告
吴旭,李想,冯长江,王武军

封面图片:大鼠双侧杏仁中央核插管微量注射 μ -阿片受体激动剂DAMGO引起脱钠大鼠对0.3 mol/L NaCl摄入量增加的大脑冠状切片显微照片(闫君宝等,河南科技大学医学院生理学教研室,正文见本期1195~1200页)。

主 编:陈敏生

编 辑 部 主任:陈望忠

本期责任编辑:经 媛

英文责任编辑:宋建武

本期技术编辑:林立华

本期责任校对:吴锦雅 孙昌朋

本期责任编辑:王均 刘红艳

期刊基本参数:CN44-1152/R*1981*m*A4*120*zh+en*P* ¥ 10:00*1500*25*2017-09

Journal of Southern Medical University

Volume 37 Number 9 September 2017

Contents

Basic Research

- 1149 Construction and verification of anti-MM scFv-tP fusion protein expression vector
WANG Hao, YANG Yifei, WANG Wei, GUAN Bing, XUN Meng, ZHANG Hai, WANG Ziling, ZHAO Yong
- 1164 Expressions of inflammatory cytokines in mouse peritoneal macrophages induced by MRP8/MRP14 *in vitro*
WANG Juan, LI Lei, LUO Haihua, JIANG Yong
- 1171 Effect of electroacupuncture on proprioception in cynomolgus monkeys after unilateral anterior cruciate ligament injury
ZHANG Lei, LI Yikai, QI Ji, ZHANG Shaoqun, PING Ruiyue, ZHOU Xin, YU Lin, LIU Ruifeng, FU Shijie
- 1178 Effect of Di-(2-ethylhexyl) phthalate exposure on blood-testis barrier integrity in rats
SHEN Lianju, TANG Xiangliang, LONG Chunlan, CAO Xining, WEI Yi, WANG Yangcai, ZHOU Yue, SUN Mang, LIU Yang, LIU Bo, HUANG Fangyuan, WEI Guanghui
- 1183 MACF1 knockdown in glioblastoma multiforme cells increases temozolomide-induced cytotoxicity
XIE Sidi, CHEN Ziyang, WANG Hai, HE Minyi, LU Yuntao, LEI Bingxi, LI Hezhen, LIU Yawei, QI Songtao
- 1190 Spinal serotonergic receptor is involved in descending inhibition of cardiac nociception by the lateral reticular nucleus in rats
HAN Man, LIU Xiaohua, DU Jianqing
- 1195 μ-opioid receptors in the central nucleus of the amygdala mediate sodium intake in rats
YAN Junbao, HU Zhihong
- 1206 Sanggenon C induces apoptosis of prostate cancer PC3 cells by activating caspase 3 and caspase 9 pathways
ZHOU Ping, DONG Xiaoxian, TANG Ping
- 1211 Inhibitory effect of giganteaside D on hepatocellular carcinoma Hep 3b cells and the underlying mechanisms
XIE Shuwen, WANG Yanni, LUO Huiyan, LU Zibin, YU Linzhong, LIU Junshan
- 1217 Expression of VEGF and PEDF in early-stage retinopathy in diabetic *Macaca mulatta*
CHEN Jingfei, LUO Qihui, HUANG Chao, LIU Wentao, ZENG Wen, GAO Qi, CHEN Ping, CHEN Bing, CHEN Zhengli
- 1228 Protective effect of butylphthalide in a cell model of Alzheimer's disease induced by Aβ25-35 in Neuro 2a cells
XIE Jingwen, ZHAO Yan, FENG Xialu, LIN Fangbo, LUO Jing, LIU Xin, HOU Deren

Clinical Research

- 1143 Delayed decompression for cauda equina syndrome secondary to lumbar disc herniation: long-term follow-up results
LAI Xunwei, LI Wei, WANG Jixing, ZHANG Huijian, PENG Hongmei, YANG Dehong
- 1156 High-throughput sequencing for analysis of structural change of intestinal microbiota in patients with colorectal adenoma
LU Yingying, ZENG Yue, HU Guoyong, WANG Xingpeng
- 1201 Depression and anxiety caused by pegylated interferon treatment in patients with chronic hepatitis B and the therapeutic effects of escitalopram and alprazolam
HU Chengguang, YUAN Guosheng, HUANG Huaping, LIU Junwei, ZHOU Yuchen, REN Yanyu, LI Yuan, TAN Wenjuan, SU Meilei, ZHOU Yuanping
- 1222 Value of 640-slice 3D CT angiography plus 3D printing for improving surgeries for intracranial aneurysms
ZHOU Luqiu, LOU Mingwu, CHEN Guochang, JIU Zhisong, SHEN Yunxia, LU Lin
- 1234 Expression of Wnt and integrin pathways in colorectal laterally spreading tumors and their correlation with endoscopic subtypes
WU Jie, HUO Jirong, WANG Dong, WANG Chunlian, LÜ Liang
- 1242 Test-retest reliability of 3D spiral fast-spin-echo pseudo-continuous arterial spin labeling for cerebral perfusion imaging of subcortical gray matter in healthy adults
LIU Mengqi, CHEN Zhiye, MA Lin

- 1248** A novel method for quantitative measurement of orbital fat volume based on magnetic resonance images
CAI Qiuyue, CHEN Zhiyi, JIANG Wei, LUO Yaosheng, LI Zhangfang, HU Shidi, SHEN Jie
- 1252** Magnetic resonance imaging versus DR for whole spine imaging in patients with degenerative spinal disease
HU Shaoyong, CUI Yunneng, ZHAO Yinxia, LU Ming, LI Shaolin
- 1256** Prior periodontal intervention lowers incidence of lower respiratory infection in patients receiving oral and maxillofacial tumor surgery
YOU Jie, YANG Yajie, LIU Liyan, HU Chen
- 1261** Enhanced recovery after preserving the left colonic artery during laparoscopic anterior resection for rectal cancer
LIU Yungeng, ZHANG Lei, HUANG Jiran, YI Jinrong, FANG Chuanfa, XIA Laiyang, LIU Hongquan, YI Jianzhong
- 1270** Value of neutrophil-monocyte product combined with serum creatinine in assessing the severity of acute pancreatitis
LIU Jiang, BAI Yang, AZIGULI, ZHANG Yali
- 1274** A systematic review of anti-interleukin-17 antibody in the treatment of plaque psoriasis
FAN Xiaodong, XIA Xiang, ZHANG Chunyan, KONG Wenqiang, ZHOU Chunyang, DU Biao

Techniques and Methods

- 1265** Rapid detection of alpha-globin gene $\alpha\alpha\alpha^{\text{anti-3,7}}$ triplets with droplet digital PCR
GONG Xiaoqian, YANG Xuehuang, QIAO Linli, CHENG Yajun, ZHOU Wanjun

Case Report

- 1280** Surgical treatment of giant thymoma in a patient with myasthenia gravis
WU Xu, LI Xiang, FENG Changjiang, WANG Wujun

Cover image: A micrograph ($\times 12.5$) showing the coronal section of the brain of a rat with sodium deprivation. The rat showed increased 0.3 mol/L NaCl solution intake following DAMGO (a μ -opioid receptor agonist) microinjection via implanted cannulas into the bilateral central nucleus of the amygdala. Provided by YAN Junbao (Department of Physiology, Medical College of Henan University of Science and Technology). See full-text article on page 1195-1120 in this issue.

Editor-in-Chief: CHEN Minsheng

Editorial Director: CHEN Wangzhong

Executive Editor: JING Yuan

English Editor: SONG Jianwu

Executive Technical Editor: LIN Lihua

Executive Proofreaders: WU Jinya SUN Changpeng

Photo Editor: WANG Jun

Editorial Assistant: LIU Hongyan



中国精品科技期刊 中国百种杰出学术期刊

- ★ 美国《医学索引》(Medline/PubMed)源期刊
- ★ 美国《化学文摘》(CA)源期刊
- ★ 荷兰《医学文摘》(EMBASE)收录期刊
- ★ 荷兰 Scopus 收录期刊
- ★ 《中文核心期刊要目总览(2014年版)》收录期刊
- ★ 中国科学引文数据库(CSCD)源期刊
- ★ 中国核心期刊(遴选)数据库源期刊
- ★ 中国精品科技期刊
- ★ RCCSE 中国权威学术期刊
- ★ 中国高校精品科技期刊

南方医科大学学报

2017年9月20日 第37卷第9期

月刊 1981年创刊

主管单位 广东省教育厅

主办单位 南方医科大学

编辑出版 南方医科大学学报编辑部

510515 广州市广州大道北1838号

电话:020-61648175,61647352 传真:020-61360558

网址: www.j-smu.com 电子邮箱: xbbjb@fimmu.com

主编 陈敏生

印刷单位 广州市艺彩印务有限公司

国内发行 广东省报刊发行局

发行范围 国内外

国内定购 全国各地邮局

国外定购 中国出版对外贸易总公司(北京782信箱)

ISSN 1673-4254
CN 44-1627/R

国内邮发代号:46-10

国内定价:10.00元/册



万方数据

Journal of Southern Medical University

Vol.37 No.9 September 2017

Monthly, Founded in 1981

Responsible Institution Department of Education of
Guangdong Province

Sponsored by Southern Medical University

Edited and Published by Editorial Department of Journal
of Southern Medical University, Guangzhou 510515, China
Tel: 86-20-61648175, 61647352 Fax: 86-20-61360558

[Http://www.j-smu.com](http://www.j-smu.com), E-mail: xbbjb@fimmu.com

Editor-in-Chief: CHEN Minsheng

Printed by Guangzhou Yi Cai Printing Co., Ltd

Subscription

Domestic: Local Post Offices

Foreign: China National Publications Trading

Export Corporation (P.O.Box. 782, Beijing, China)

ISSN 1673-4254



9 771673 425179

09>