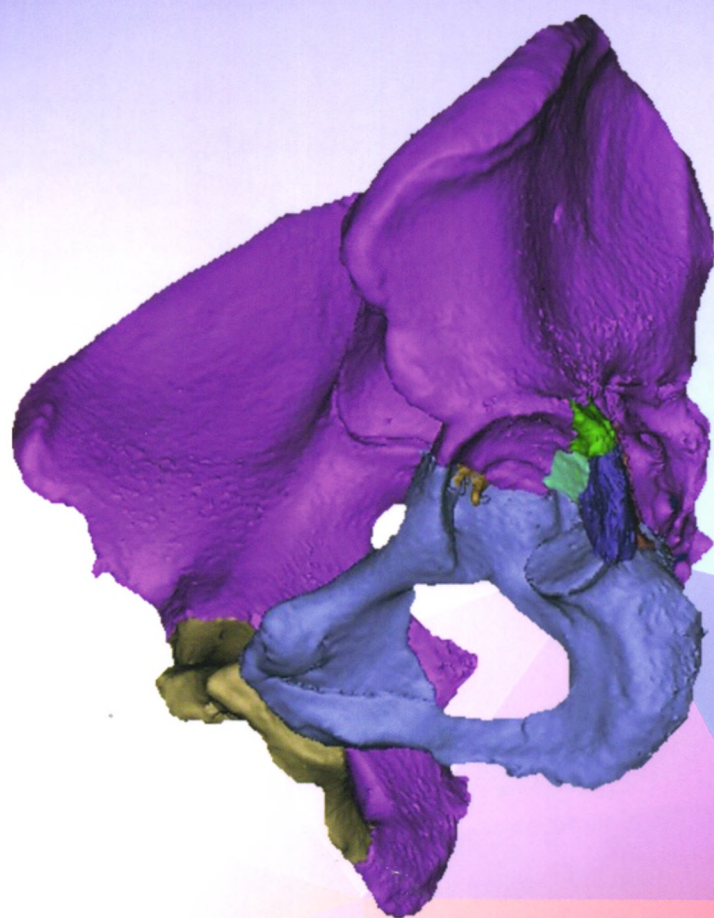


ISSN 1673-4254
CN 44-1627/R

南方医科大学学报

NANFANG YIKE DAXUE XUEBAO
Journal of Southern Medical University



2

2016

Vo1.36 No.2

南方医科大学学报

第 36 卷 第 2 期 2016 年 2 月

目 次

基础研究

- 157 雌性生殖干细胞全基因组范围选择性多聚腺苷酸化位点分析
沈挺挺, 张晓丽, 张 盼, 康亚妮, 田 静, 赵小东
- 163 红外线影响人皮肤成纤维细胞中 c-Jun、I 型和 III 型胶原的表达
刘 平, 杨荣丽, 苏 慧, 李林丽, 宋健文, 卢 宁, 刘钰泽
- 195 沉默信息调节因子 3 对肝癌细胞增殖的影响
陶 颖, 陈 娟
- 210 鳖甲煎丸对 HepG2 裸鼠移植瘤的抑制作用及瘤体组织中 β -catenin、Tbx3 表达水平的影响
文 彬, 孙海涛, 贺松其, 腊 蕾, 安海燕, 庞 杰
- 226 卡博替尼抑制产单核细胞李斯特菌侵袭 Caco-2 细胞的机制
杜 蕾, 曾 庆, 何肖龙, 邱嘉文, 宋豪语, 吴同薇, 蔡丹嫻, 龙 敏, 罗 军, 曹 虹
- 238 饮水中地塞米松污染对小鼠肠道菌群的影响
杨 茜, 李晓愚, 斯 丹, 杨致邦, 贺中原, 张楠晨, 张钊钊, 石中全
- 250 乳化氟碳联合川芎嗪对大鼠肺缺血再灌注损伤的保护作用
郑志雄, 彭雪梅, 席 露, 胡冬华, 卢春英
- 260 丹参酮 IIA 磺酸钠通过增强腹膜纤溶系统活性降低大鼠术后腹膜粘连发生
林 思, 秦 飞, 宋路瑶, 侯楚祺, 侯连兵
- 265 大鼠肾脏细胞 17 β -HSD1 的表达及参与性激素合成的能力
张 哲, 王宏竹, 刘永惠, 彭 宇, 郑清莲

临床研究

- 151 治疗前血清球蛋白升高可预测鼻咽癌的不良预后
钟丽婷, 王 慧, 梁焕清, 苏梦茹, 刘承栋, 吴德华
- 180 人脱落乳牙牙髓干细胞与人恒牙牙髓干细胞成骨分化及破骨能力的差异
路博闻, 刘 娜, 徐璐璐, 石海刚, 张 洋, 张 维
- 186 慢性乙型肝炎患者 PBMCs 中 ROG、GATA3 和 T-bet mRNA 水平及其意义
张 卡, 舒 欣, 骆海飞, 朱凤琴, 曹 红, 徐启桓, 李 刚
- 190 界膜组织细菌 16S rRNA 和 23S rRNA 对假体周围感染的诊断意义
安森博, 蔡碰德, 汪 龙, 胡懿邻
- 200 不同边缘设计的髓腔固位冠修复下颌前磨牙的应力分析
郭 靖, 王潇宇, 李学盛, 孙海阳, 刘 琳, 李鸿波
- 205 前列腺癌骨转移的预测因素
陈业辉, 聂 品, 江 文, 赵仕佳, 仇 智, 林华欣, 李森沅, 刘燕青, 李鹏麾, 朱旭生
- 215 肺保护性通气在中老年脊柱俯卧位手术中的应用: 随机对照试验
熊 伟, 陈 萍, 高 进, 袁瑞雪
- 220 基于 3D 打印的腹直肌旁切口治疗骨盆骨折的临床疗效
曾参军, 谭新宇, 黄华军, 黄伟奇, 李 涛, 金大地, 张国栋, 黄文华

- 232 吸入短效支气管舒张剂对慢性阻塞性肺疾病患者等二氧化碳高通气过程中膈肌功能和中枢驱动的影响
李 允,李寅环,罗裕文,肖 锐,黄锦伦,王 凯,陈 新
- 244 沉默干扰素诱导跨膜蛋白3可抑制肝癌细胞HepG2增殖和侵袭
吴荣寿,邬林泉,李科浩,李恩亮,冯 潜,张惊玲
- 255 人类精子中段形态对胚胎发育的影响
孟祥黔,龚 艺,黄 军,曾永梅,全 松,钟 影
- 269 流行病学伤害即“伤且害”界定标准的构建与评价
陈青山,周亚敏,韩 璐,罗 旭,杨 剑,刘晓玲
- 273 淋巴细胞计数对社区获得性肺炎患者细胞免疫功能的判断价值
赵 博,陈莹莹,谭明旗
- 277 经皮椎体成形术后骨水泥强化椎再骨折的保守治疗及疗效分析
王 晶,陈 民,杜 江
- 282 50岁以下急性冠脉综合征女性患者危险因素及冠状动脉病变特点
严 红,侯冬子,张 斌,董大明,乌汉东,于汇民,靳立军
- 286 腰椎骨髓脂肪与腹部脂肪相关性的前瞻性研究
张晓东,赵银霞,赵文吉,张灵艳,严杰文,郝 帅,卢雄光,赵 静,李绍林
- 290 ROC曲线评估血小板参数对移植肾功能恢复延迟的预测价值
李悺辰,付绍杰,于立新,肖露露,罗 敏,梁永杰,奉艳林

技术方法

- 170 乳腺癌基因药物网络模型的构建与分析
魏 星,胡德华,易敏寒,常雪莲,朱文婕,曲少玲,邓端英

病例报告

- 294 使用 Viatorr 支架完成经颈静脉肝内门腔静脉分流术:附3例报告
赵剑波,叶 鹏,曾庆乐,庞桦进,何晓峰,陈 勇

封面图片:术前数字骨科虚拟手术复位,利用Mimics软件进行三维重建,碎骨块分割,虚拟骨折复位(曾参军,南方医科大学第三附属医院骨科,正文见本期220~225页)。

主 编:陈敏生

编辑部主任:陈望忠

本期责任编辑:吴锦雅

英文责任编辑:宋建武

本期技术编辑:张 青

本期责任校对:孙昌朋 经 媛

本期责任编辑:王 均 刘红艳

期刊基本参数:CN 44-1627/R*1981*m*A4*120*zh+en*P* ¥ 10:00*1500*28*2016-02

Journal of Southern Medical University

Volume 36 Number 2 February 2016

Contents

Basic Research

- 157 Genome-wide profiling of alternative polyadenylation in mouse female germline stem cells
SHEN Tingting, ZHANG Xiaoli, ZHANG Pan, KANG Yani, TIAN Jing, ZHAO Xiaodong
- 163 Expression of c-Jun and collagens I and III in cultured human skin fibroblasts are affected by infrared ray radiation
LIU Ping, YANG Rongli, SU Hui, LI Linli, SONG Jianwen, LU Ning, LIU Yuze
- 195 Role of SIRT3 in regulating proliferation of hepatocellular carcinoma cells *in vitro*
TAO Ying, CHEN Juan
- 210 Inhibitory effect of *Biejiajian* pills on HepG2 cell xenograft growth and expression of β -catenin and Tbx3 in nude mice
WEN Bin, SUN Haitao, HE Songqi, LA Lei, AN Haiyan, PANG Jie
- 226 Inhibitory effect of cabozantinib against *Listeria monocytogenes* invasion in Caco-2 cells *in vitro*
DU Lei, ZENG Qing, HE Xiaolong, QIU Jiawen, SONG Haoyu, WU Tongwei, CAI Danxian, LONG Min, LUO Jun, CAO Hong
- 238 Effect of dexamethasone contamination in drinking water on intestinal flora in mice
YANG Xi, LI Xiaoyu, SI Dan, YANG Zhibang, HE Zhongyuan, ZHANG Nanchen, ZHANG Shanshan, SHI Zhongquan
- 250 Protective effects of perfluorocarbon combined with ligustrazine against lung ischemia-reperfusion injury in rats
ZHENG Zhixiong, PENG Xuemei, XI Lu, HU Donghua, LU Chunying
- 260 Sodium tanshinone IIA sulfonate prevents postoperative peritoneal adhesions in rats by enhancing the activity of the peritoneal fibrinolytic system
LIN Si, QIN Fei, SONG Luyao, HOU Chuqi, HOU Lianbin
- 265 Expression of 17 beta-hydroxysteroid dehydrogenase type 1 in the kidney of rats: the capacity of the kidney for synthesizing sex hormones
ZHANG Zhe, WANG Hongzhu, LIU Yonghui, PENG Yu, ZHENG Qinglian

Clinical Research

- 151 An elevated pretreatment serum globulin level predicts a poor prognosis of nasopharyngeal carcinoma
ZHONG Liting, WANG Hui, LIANG Huanqing, SU Mengru, LIU Chengdong, WU Dehua
- 180 Difference of *in vitro* osteogenic differentiation and osteoclast capacity between stem cells from human exfoliated deciduous teeth and dental pulp stem cells
LU Bowen, LIU Na, XU Lulu, SHI Haigang, ZHANG Yang, ZHANG Wei
- 186 *ROG*, *GATA3* and *T-bet* mRNA levels in peripheral blood mononuclear cells in patients with chronic hepatitis B
ZHANG Ka, SHU Xin, LUO Haifei, ZHU Fengqin, CAO Hong, XU Qihuan, LI Gang
- 190 Value of detecting bacterial 16S and 23S rRNA in interface membrane in diagnosis of periprosthetic joint infection
AN Senbo, CAI Pengde, WANG Long, HU Yihe
- 200 Influence of different designs of marginal preparation on stress distribution in the mandibular premolar restored with endocrown
GUO Jing, WANG Xiaoyu, LI Xuesheng, SUN Haiyang, LIU Lin, LI Hongbo
- 205 Predictive factors for bone metastases of prostate cancer
CHEN Yehui, NIE Pin, JIANG Wen, ZHAO Shijia, ZHANG Zhi, LIN Huaxin, LI Miaoyuan, LIU Yanqing, LI Penghui, ZHU Xusheng
- 215 Lung protective ventilation in elderly patients undergoing spinal operation in the prone position: a randomized controlled trial
XIONG Wei, CHEN Ping, GAO Jin, YUAN Ruixue
- 220 Clinical effect of 3D printing-assisted minimal invasive surgery through a small incision lateral to the rectus abdominis for pelvic fracture
ZENG Canjun, TAN Xinyu, HUANG Huajun, HUANG Weiqi, LI Tao, JIN Dadi, ZHANG Guodong, HUANG Wenhua

- 232 Effects of inhaled short-acting bronchodilators on diaphragm function and neural respiratory drive during maximal isocapnic ventilation in patients with chronic obstructive pulmonary disease
LI Yun, LI Yinluan, LUO Yuwen, XIAO Rui, HUANG Jinlun, WANG Kai, CHEN Xin
- 244 Interferon-induced transmembrane protein 3 knock-down inhibits proliferation and invasion of hepatocellular carcinoma HepG2 cells *in vitro*
WU Rongshou, WU Linquan, LI Kehao, LI Enliang, FENG Qian, ZHANG Jingling
- 255 Impact of sperm midpiece morphology on embryo development following intracytoplasmic morphologically selected sperm injection
MENG Xiangqian, GONG Yi, HUANG Jun, ZENG Yongmei, QUAN Song, ZHONG Ying
- 269 Construction and evaluation of the epidemiological injury criteria based on the combination of 'Hurt' and 'Harm'
CHEN Qingshan, ZHOU Yamin, HAN Lu, LUO Xu, YANG Jian, LIU Xiaoling
- 273 Value of lymphocyte count in assessing cellular immune function in patients with community-acquired pneumonia
ZHAO Bo, CHEN Yingying, TAN Mingqi
- 277 Therapeutic effect of conservative treatment of refracture in cemented vertebrae after percutaneous vertebroplasty for osteoporotic vertebral compression fractures
WANG Jing, CHEN Min, DU Jiang
- 282 Acute coronary syndrome in women below 50 years of age: risk factors and clinical and angiographic features
YAN Hong, HOU Dongzi, ZHANG Bin, DONG Taiming, WU Handong, YU Huimin, JIN Lijun
- 286 Correlation between vertebral bone marrow fat and abdomen fat: a prospective study
ZHANG Xiaodong, ZHAO Yinxia, ZHAO Wenji, ZHANG Lingyan, YAN Jiewen, HAO Shuai, LU Xionggang, ZHAO Jing, LI Shaolin
- 290 ROC curve-based evaluation of platelet parameters for predicting delayed renal graft function
LI Yichen, FU Shaojie, YU Lixin, XIAO Lulu, LUO Min, LIANG Yongjie, FENG Yanlin

Techniques and Methods

- 170 Construction and analysis of a breast cancer gene-drug network model
WEI Xing, HU Dehua, YI Minhan, CHANG Xuelian, ZHU Wenjie, QU Shaoling, DENG Duanying

Case Report

- 294 Transjugular intrahepatic portosystemic shunt with Viatorr stent grafting: report of 3 cases
ZHAO Jianbo, YE Peng, ZENG Qingle, PANG Huajin, HE Xiaofeng, CHEN Yong

Cover image: Provided by Zeng Canjun, Department of Traumatology, The Third Affiliated Hospital of Southern Medical University. The image shows preoperative digital virtual diaphysis. The thin-layer computed tomography scan data of was input into Mimics software in DICOM format for 3D reconstruction, fractured bone segmentation and virtual reduction. See full-text article on page 220-225 in this issue.

Editor-in-Chief: CHEN Minsheng

Editorial Director: CHEN Wangzhong

Executive Editor: WU Jinya

English Editor: SONG Jianwu

Executive Technical Editor: ZHANG Qing

Executive Proofreaders: SUN Changpeng JING Yuan

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(2011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

2016年2月20日 第36卷第2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)

Journal of Southern Medical University

Vol.36 No.2 February 2016

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, 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

CN 44-1627/R

国内邮发代号:46-10

国内定价:10.00元/册



ISSN 1673-4254

