

ISSN 1008-8199

CN 32-1574/R

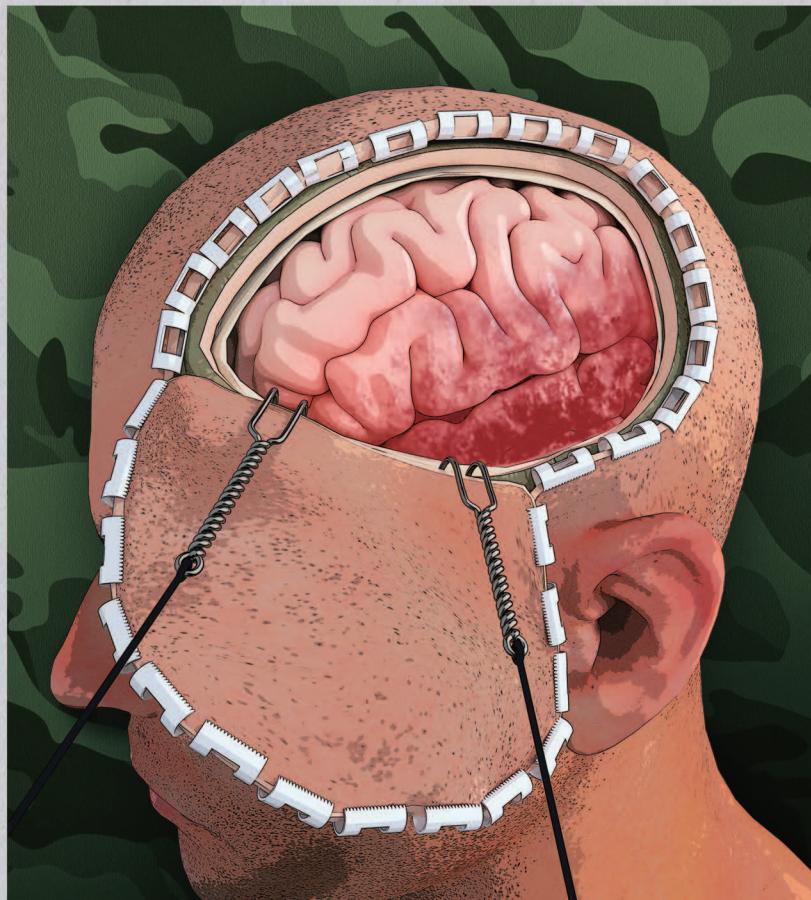
CODEN YYXIAT



# 医学研究生学报

YIXUE YANJIUSHENG XUEBAO

Journal of Medical Postgraduates



见：损伤控制理念在脑外伤救治中的应用（P337-P340）

4

2021

第34卷 第4期(第288期)

Vol. 34 No. 4 Apr. 2021

南京军区联勤部卫生部主管  
南京军区南京总医院主办

医学研究生学报

第三十四卷

第四期

二〇二一年四月

南京军区南京总医院主办

中国科技论文统计源期刊（中国科技核心期刊）  
《中文核心期刊要目总览》收录  
美国《化学文摘》(CA)收录期刊  
日本科学技术振兴机构中国文献数据库(CST)收录期刊  
世界卫生组织西太平洋地区医学索引收录期刊



万方数据

名誉主任委员:黎介寿 刘志红 王学浩  
王福生 夏照帆 王广基  
林东昕 顾寿年 易学明  
史兆荣 刘承基 武建国

主任委员:苏皖(主编)  
副主任委员:齐晓林 徐晓莉  
副主编:卢光明 谭建明 秦叔逵  
赵建宁 任建安 刘新峰  
周国华 江艺 兰小鹏  
宋勇 王汉东 朱维铭  
俞雨生 李维勤 汪芳裕

常务副主编:鲁立  
编辑部主任:

主 管:南京军区联勤部卫生部  
210016,南京市明故宫6号  
主 办:南京军区南京总医院  
210002,南京市中山东路305号  
编辑、出版、邮购处:医学研究生学报编辑部  
210002,南京市中山东路305号  
A7信箱  
电话:(025)80860347  
<http://www.yxyjsxb.com>

印 刷:南京艺中印务有限公司  
210049,南京市青马路2号  
发 行:国内:江苏省邮政局  
邮发代号 28-280  
210066,南京市广州路101号  
国外:中国国际图书贸易总公司  
发行代号 M3498

订 购 处:全国各地邮局

中国标准连续出版物号: ISSN 1008-8199  
CN 32-1574/R

广告经营许可证号: 3201005001286

光盘检索:中国学术期刊光盘版(医学卫生版)

版权归南京军区南京总医院所有

执行编辑:闻浩 朱琴

英文编辑:朱一超 李麒

美术编辑:范啸

定 价:每期15元,全年180元

除非特别声明,本刊刊出的所有文章不代表  
《医学研究生学报》编委会的观点

## 目 次

### 导师论坛

损伤控制理念在脑外伤救治中的应用 ..... 周梦良(337)

### 论 著

#### ·基础研究·

骨髓间充质干细胞源外泌体对大鼠颈动脉球囊损伤后 circRNA  
和 microRNA 差异表达的影响

..... 周涵,邓文文,王冬梅,龙仙萍,蒋礼祥,  
杨双亚,郭鸿浩,陈文明,石藉(341)

还原氧化石墨烯修饰壳聚糖骨组织工程支架的制备及表征

..... 毕博,臧圣奇,何懋典,穆睿,于泓川,刘鹏,  
李军霞,陈博,荣亮,史小蕾,金磊(350)

#### ·临床研究·

骨质疏松椎体骨折术前准备期适应性训练对球囊扩张椎体

后凸成形术的疗效评估

..... 王宇翔,徐海栋,赵建宁(357)

肺腺癌患者血清 IL-11 的表达水平及其预后意义

..... 陶累累,陈平,戴夕超,黄桂春,刘小北,陈龙邦(361)

266例四肢骨肉瘤患者的临床疗效分析

..... 流小舟,周幸,周光新,黎承军,施鑫,吴苏稼(365)

术前衰弱对行膝髋关节置换手术老年患者术后谵妄的影响

..... 张真真,周晓艳,曹林,周志强,周斌(371)

右美托咪定对慢性皮肤溃疡患者植皮术后疼痛和睡眠的影响

..... 郭敏娜,蒋秀红,刘存明,俞敏(375)

坐骨结节扩大清创降低坐骨压疮术后创面复发风险的临床研究

..... 李汉华,黄志锋,熊兵,郑少逸,刘族安,卞徽宁,

孙传伟,马亮华,罗红敏,赖文(379)

BCD序贯法测定布比卡因蛛网膜下腔阻滞肛管术的

半数有效剂量研究

..... 宋娟,徐海虹,潘晨晨,杨磊,段满林(384)

急性 ST 段抬高型心肌梗死合并多支病变患者不同血运重建策略的比较	胡闽鑫,宫剑滨(388)
改良 Cox 迷宫Ⅲ治疗瓣膜病合并房颤的安全性及疗效分析	
.....王常田,张雷,秦涛,席志龙,孙磊,吴海卫,仇冰梅,张晓华,李德闽(394)	
多发伤患者初始血乳酸及休克指数与短期预后的相关性分析	
.....张鹏,王蒙蒙,孙兆瑞,杨志洲,董妍,庄苏园,聂时南(399)	

## 综述

初级纤毛与自噬的关系研究进展	陈珏蓉,郭佳男,何苇(405)
IL-1 在慢性阻塞性肺疾病中的研究进展	蔡雨春,马菁苑,姚冬(409)
自噬调控肿瘤发生与发展的研究进展	刘兴哲,车楠,玄延花(414)
NLRP3 炎性小体在创伤性脑损伤中的作用	阎朝龙,闫惠颖,金伟(418)
慢性肾病的 TGF- $\beta_1$ /Smads 信号通路调控及抗纤维化治疗研究进展	李玉琴,游金辉(424)
Siglec-9 对肿瘤发展的影响及在肿瘤靶向治疗和影像诊断中的应用	彭燕,唐奇,冯振卿(429)
HPV 感染对宫颈癌转移前微环境的影响	匡婷,李乐赛,陈亦乐(434)
PCSK9 抑制剂和 Inclisiran 在动脉粥样硬化中的研究进展	李永林,司春婴,顾问,陈玉善(439)
加速康复外科在经导管主动脉瓣置换术中的应用进展	李磊,邓泓博,生伟,池一凡(444)

## 消息

中国科技核心期刊收录证书	(封二)
《中文核心期刊要目总览》入编通知	(封三)
《医学研究生学报》投稿指南	(封四)

# Journal of Medical Postgraduates

Volume 34, Number 4, Serial No. 288  
April 2021  
Started in October 1988, Monthly

**Honorary Chairmen:**

LI Jie-shou, LIU Zhi-hong, WANG Xue-hao  
WANG Fu-sheng, XIA Zhao-fan, WANG Guang-ji  
LIN Dong-xin, GU Shou-nian, YI Xue-ming  
SHI Zhao-rong, LIU Cheng-ji, WU Jian-guo

**Chairman:** SU Wan (Editor-in-Chief)

**Vice Chairman:**

QI Xiao-lin, XU Xiao-li

**Deputy Editor-in-Chief:**

LU Guang-ming, TAN Jian-ming  
QIN Shu-kui, ZHAO Jian-ning  
REN Jian-an, LIU Xin-feng  
ZHOU Guo-hua, JIANG Yi  
LAN Xiao-peng, SONG Yong  
WANG Han-dong, ZHU Wei-ming  
YU Yu-sheng, LI Wei-qin  
WANG Fang-yu

**Deputy Editor-in-Chief &**

**Managing Director:** LU Li

**Responsible Institution:**

Division of Health, Department of Joint Logistics, Nanjing Military Region, 6 Minggugong, Nanjing 210016, China

**Sponsor:**

Nanjing General Hospital of Nanjing Military Region, 305 Zhongshan Donglu, Nanjing 210002, China

**Edited, Published & Mail-ordered by:**

JMP Editorial Board, A7 Postal Mail Box, 305 Zhongshan Donglu, Nanjing 210002, China  
Tel: 0086-25-80860347  
<http://www.yxyjsxb.com>

**Printed by:**

Nanjing Yizhong Printing Co., Ltd.  
2 Qingma Road, Nanjing 210049, China

**Distributed by:**

Domestic Distributor: Post Bureau of Jiangsu Province, 101 Guangzhou Lu, Nanjing 210066, China (Distribution Code 28-280)  
Overseas Distributor: China International Book Trading Corporation (Distribution Code M3498)

**Domestic Subscription:** Post offices in China

ISSN 1008-8199  
CSSN: CN 32-1574/R

**Ad License No.:** 3201005001286

**CD-ROM Retrieval:**

Academic Periodicals of China (Medical Edition)

**Copyright reserved by Nanjing General Hospital of Nanjing Military Region**

**Executive Editor:**

WEN Hao, ZHU Qin

**Editor of English:**

ZHU Yi-chao, LI Qi

**Art Editor:**

FAN Xiao

**Subscription Rates:**

RMB ¥180 for 15 issues

None of the academic views in the articles published in this journal represents that of the Editorial Board of JMP unless specifically stated.

## CONTENTS

### Graduate Tutors' Forum

The application of damage control concept in the treatment of traumatic brain injury

ZHOU Meng-liang ..... (337)

### Original Articles

#### Basic Research

Effects of exosomes derived from bone marrow mesenchymal stem cells on the differential expression of circRNA and microRNA after balloon injury of rat carotid artery

ZHOU Han, DENG Wen-wen, WANG Dong-mei, LONG Xian-ping, JIANG Li-xiang, YANG Shuang-ya, GUO Hong-hao, CHEN Wen-ming, SHI Bei ..... (341)

Preparation and characterization of chitosan/β-glycerophosphate scaffolds modified by reduced graphene oxide for bone tissue engineering

BI Bo, ZANG Sheng-qi, HE Mao-dian, MU Rui, YU Hong-chuan, LIU Juan, LI Jun-xia, CHEN Bo, RONG Liang, SHI Xiao-lei, JIN Lei ..... (350)

#### Clinical Research

Evaluation of the effect of adaptive training on vertebroplasty in preoperative preparation for osteoporotic vertebral fracture

WANG Yu-xiang, XU Hai-dong, ZHAO Jian-ning ..... (357)

Expression level of serum IL-11 in patients with lung adenocarcinoma and its prognostic significance

TAO Lei-lei, CHEN Ping, DAI Xi-chao, HUANG Gui-chun, LIU Xiao-bei, CHEN Long-bang ..... (361)

Clinical efficacy analysis of 266 cases with extremitiesosteosarcoma

LIU Xiao-zhou, ZHOU Xing, ZHOU Guang-xin, LI Cheng-jun, SHI Xin, WU Su-jia ..... (365)

Effect of preoperative weakness on postoperative delirium in elderly patients undergoing knee and hip arthroplasty

ZHANG Zhen-zhen, ZHOU Xiao-yan, CAO Lin, ZHOU Zhi-qiang, ZHOU Bin ..... (371)

Effects of dexmedetomidine on pain and sleep after skin graft in patients with chronic skin ulcer

GUO Min-na, JIANG Xiu-hong, LIU Cun-ming, YU Min ..... (375)

**Basic parameters of the journal:** CN 32-1574/R \* 1988 \* m \* A4 \* 112 \* zh \* p \* ¥ 15.00 \* 2400 \* 22 \* 2021-04

Clinical study of the enlarged debridement of ischial tuberosity to reduce the postoperative recurrence risk of sciatic pressure ulcer LI Han-hua, HUANG Zhi-feng, XIONG Bing, ZHENG Shao-yi, LIU Zu-an, BIAN Hui-ning, SUN Chuan-wei, MA Liang-hua, LUO Hong-min, LAI Wen .....	(379)
Half effective dose(ED50) of intrathecal bupivacaine for anal survery: a biased coin design study SONG Juan, XU Hai-hong, PAN Chen-chen, YANG Lei, DUAN Man-lin .....	(384)
Comparison of different revascularization strategies in patients with ST elevation myocardial infarction and multivessel coronary disease HU Min-xin, GONG Jian-bin .....	(388)
Safety and efficacy analysis of modified Cox-Maze III in valvular heart disease concomitant atrial fibrillation WANG Chang-tian, ZHANG Lei, QIN Tao, XI Zhi-long, SUN Lei, WU Hai-wei, QIU Bing-mei, ZHANG Xiao-hua, LI De-min .....	(394)
Correlation analysis of initial blood lactic acid, shock index and short-term prognosis in patients with multiple injuries ZHANG Peng, WANG Meng-meng, SUN Zao-rui, YANG Zhi-zhou, DONG Yan, ZHUANG Su-yuan, NIE Shi-nan .....	(399)

## Review Articles

Research progress on the relationship between primary cilia and autophagy CHEN Jue-rong, GUO Jia-nan, HE Wei .....	(405)
Research progress of IL-1 in chronic obstructive pulmonary disease CAI Yu-chun, MA Jing-yuan, YAO Dong .....	(409)
Research progress of autophagy regulates tumor occurrence and development LIU Xing-zhe, CHE Nan, XUAN Yan-hua .....	(414)
The role of NLRP3 inflammasome in traumatic brain injury YAN Chao-long, YAN Hui-ying, JIN Wei .....	(418)
Advance on the regulation of TGF $\beta_1$ /Smads signaling pathway and the anti-fibrosis treatment in chronic kidney disease LI Yu-qin, YOU Jin-hui .....	(424)
Effect of Siglec-9 on tumor development and its application in tumor targeted therapy and imaging diagnosis PENG Yan, TANG Qi, FENG Zhen-qing .....	(429)
The influence of HPV on the pre-metastatic niche of cervical cancer KUANG Ting, LI Le-sai, CHEN Yi-le .....	(434)
Research progress of PCSK9 inhibitors and Inclisiran in atherosclerosis LI Yong-lin, SI Chun-ying, GU Wen, CHEN Yu-shan .....	(439)
Progress of enhanced recovery after intrascatheter aortic valve implantation LI Lei, DENG Hong-bo, SHENG Wei, CHI Yi-fan .....	(444)