

中国科学引文数据库(CSCD)收录期刊
中文核心期刊要目总览收录期刊
中国科技论文统计源期刊



QK1866360

CN 50-1126/R
CODEN DYXUE8

第三軍醫大學學報

Journal of Third Military Medical University



2018年度重庆市出版专项资金资助期刊

2019年1月15日 第41卷 第1期

Vol.41, No.1 Jan. 15 2019

ISSN 1000-5404



“体外膜肺氧合技术在重症呼吸循环衰竭患者救治和转运中的应用”重点号



第三軍醫大學學報

半月刊 1979年1月创刊 第41卷 第1期 总第552期 2019年1月15日出版

主 管

第三军医大学(陆军军医大学)

主 办

第三军医大学(陆军军医大学)

编 辑

第三军医大学学报编辑委员会

主 编

钱桂生

副主编

曹 佳(常务) 张绍祥 吴玉章
卞修武 祝之明 高钰琪
邹全明 冷怀明

编辑部主任

冷怀明

出 版

第三军医大学学报编辑部
400038, 重庆市沙坪坝区高滩岩30号
电话:(023)68752187
E-mail:aammt@tmmu.edu.cn
http://aammt.tmmu.edu.cn

印 刷

普天印务(重庆)股份有限公司
401147, 重庆市渝北区黄泥磅工业园区1幢

发 行(公开)

国内:重庆市报刊发行局
国外:中国国际图书贸易总公司
(北京399信箱, 100044)
代号:SM6529

订 购

全国各地邮政局
邮发代号:78-91

邮 购

第三军医大学学报编辑部

定 价

国内:¥30.00/期, ¥720.00/年
国外:\$30.00/期, \$720.00/年

中国标准连续出版物号

ISSN 1000-5404
CN 50-1126/R

版权归第三军医大学所有

除非特别声明, 本刊刊出的所有文章不代表第三军医大学和本刊编委会的观点

本刊如有印装质量问题, 请向本刊编辑部调换

目 次

军事医学: 体外膜肺氧合技术在重症呼吸循环衰竭患者救治和转运中的应用

(2018年度重庆市出版专项资金资助项目)

- 1 体外膜肺氧合在危重伤病员救治和转运中的应用及其对我军战创伤救治的启示
吴蔚, 何萍
- 7 体外心肺复苏救治心脏骤停患者的病例系列报道
张现普, 叶茂亭, 刘欣, 唐令凤, 陈娅, 廖云妹, 何萍
- 13 危重患者在体外膜肺氧合支持下院间转运的病例系列报道
张世新, 夏梅, 吴蔚, 何萍, 唐令凤, 陈娅, 廖云妹, 陈巧
- 19 重症患儿院间体外膜肺氧合转运的临床回顾性分析
尹德成, 赵喆, 刘颖悦, 张晓娟, 高海涛, 洪小杨

基础医学

- 25 自噬在小鼠皮肤创面修复中作用的初步研究
赵娜, 刘登群, 汪国建, 龙爽, 万会敏, 粟永萍, 王涛
- 33 长链非编码 RNA Rpph1 对高糖培养的肾小球系膜细胞炎症因子表达的影响
张攀扬, 孙艳, 彭睿, 彭惠民, 张政
- 41 二甲双胍抑制骨细胞 ROS 产生及激活 AKT 信号通路改善糖皮质激素性骨质疏松
黄颖, 匡明杰, 李云洁, 赵倩格, 钟馨桐, 单敏慧, 杨强, 赵艳红
- 48 阻断 Kupffer 细胞的 TIM-4 蛋白功能对小鼠肝脏缺血再灌注损伤的影响
刘彦, 吴皓, 龚建平, 李旭宏
- 56 PGC-1 α 通过线粒体介导巨噬细胞极化状态的机制研究
靳鑫, 倪田根, 王宁, 罗浩军, 雷悠扬, 明佳
- 63 基于高通量芯片对强直性脊柱炎的生物信息学分析
张东亮, 赵舒煊, 向高, 刘开鑫, 巩朝阳, 王拴科, 张海鸿
- 71 DSCM 支架结合兔滑膜干细胞体外构建组织工程髓核
朱水涛, 闵竟, 王群波, 郑华, 郭华

临床医学

77 双特异性磷酸酶 3 和 TNF- α 对雷公藤多苷片治疗类风湿关节炎的预后作用及其受调节机制

李兴锐,谭 悅,刘 童,葛显应,陆继娣,孟 林,荣华东

85 胸椎旁阻滞-丙泊酚复合全麻对肺癌手术患者血清 VEGF-C、TGF- β 1 的影响

王 凯,杨桐桦,王丽君,王 震,陈力勇

封 3 《第三军医大学学报》第十届编辑委员会名单

插页 《第三军医大学学报》稿约

封面故事:这是一幅体外膜肺氧合(extracorporeal membrane oxygenation, ECMO)支持下心肺复苏场景。护士(左三)在持续行心肺复苏,两名外科医师(左二和左四)在快速行 ECMO 切开置管,重症医师(左一)在协助置管并指挥全局,体外灌注师(右二和右一)在预充和连接 ECMO 管道,调节 ECMO 机器。

志 谢:衷心感谢陆军军医大学(第三军医大学)第一附属医院胸外科吴蔚副教授为本期重点号组稿并撰文。

本期执行编委	许建中
本期责任编辑	张 维
本期责任校对	吴培红 汪勤俭
本期英文编辑	郭建秀
中图法标引	耿 鹏

[期刊基本参数] CN 50 - 1126/R * 1979 * s * 16 * 96 * zh + en * P * ¥ 15.00 * 1500 * 13 * 2019-01

Journal of Third Military Medical University

DI-SAN JUNYI DAXUE XUEBAO

ACTA ACADEMIAE MEDICINAE MILITARIS TERTIAE

Semimonthly Established in January 1979 Vol. 41, No. 1 (Gen. No. 552) January 15, 2019

Responsible Institution

Third Military Medical University
(Army Medical University)

Sponsor

Third Military Medical University
(Army Medical University)

Editing

Editorial Board of *Journal of Third Military Medical University*

Editor-in-chief

Qian Guisheng

Associate Editor-in-chief

Cao Jia, Zhang Shaoxiang,
Wu Yuzhang, Bian Xiuwu,
Zhu Zhiming, Gao Yuqi,
Zou Quanming, Leng Huaiming

Managing Director

Leng Huaiming

Publishing

Editorial Office of *Journal of Third Military Medical University*
30 Gaotanyan, Shapingba,
Chongqing, 400038, China
Tel: 86-23-68752187
E-mail: aammt@tmmu.edu.cn
<http://aammt.tmmu.edu.cn>

Printing

Chongqing Putian Printing Co., Ltd
No. 1 Building, Huangnibang Industrial Park,
Yubei District, Chongqing, 401147, China

Open Publishing

Domestic Distributor

Local Post Offices
Code No. 78-91

Overseas Distributor

China International
Book Trading Corporation
P. O. Box 399, Beijing, 100044, China
Code No. SM6529

Mail Order

Editorial Office of *Journal of Third Military Medical University*

Price

Domestic: ¥ 30.00/issue
Overseas: \$ 30.00/issue

CSSN

ISSN 1000-5404
CN 50-1126/R

Copyright by Third Military Medical University

All articles published represent the opinions of the authors, do not reflect the official policy of Third Military Medical University or the Editorial Board, unless this is clearly specified.

CONTENTS

Military Medicine: Application of extracorporeal membrane oxygenation in treatment and transport of respiratory failure patients (the Project of Chongqing Press Fund in 2018)

- 1 Application of ECMO in critically ill patients and its enlightenment for combat casualty care in our army
WU Wei, HE Ping
- 7 Application of extracorporeal cardiopulmonary resuscitation for cardiac arrest
ZHANG Xianpu, YE Maoting, LIU Xin, TANG Lingfeng, CHEN Ya, LIAO Yunshu, HE Ping
- 13 A case series report of extracorporeal membrane oxygenation support for inter-hospital transport to critically ill patients
ZHANG Shixin, XIA Mei, WU Wei, HE Ping, TANG Lingfeng, CHEN Ya, LIAO Yunshu, CHEN Qiao
- 19 Retrospective clinical analysis of inter-hospital transport of critically ill children on extracorporeal membrane oxygen
YIN Decheng, ZHAO Zhe, LIU Yingyue, ZHANG Xiaojuan, GAO Haitao, HONG Xiaoyang

Basic Medicine

- 25 Role of autophagy during cutaneous wound healing in mice
ZHAO Na, LIU Dengqun, WANG Guojian, LONG Shuang, WAN Huimin, SU Yongping, WANG Tao
- 33 Effect of long non-coding RNA Rpph1 on expression of inflammatory cytokines in mesangial cells under high glucose condition
ZHANG Panyang, SUN Yan, PENG Rui, PENG Huimin, ZHANG Zheng
- 41 Metformin inhibits cellular reactive oxygen species and activates AKT signaling pathway to improve glucocorticoid-induced osteoporosis
HUANG Ying, KUANG Mingjie, LI Yunjie, ZHAO Xige, ZHONG Xintong, SHAN Minhui, YANG Qiang, ZHAO Yanhong
- 48 Functional inhibition of TIM-4 in Kupffer cells alleviates hepatic ischemia-reperfusion injury in mice
LIU Yan, WU Hao, GONG Jianping, LI Xuhong
- 56 Mechanism of mitochondria-mediated PGC-1 α in macrophage polarization
JIN Xin, NI Tiangen, WANG Ning, LUO Haojun, LEI Youyang, MING Jia
- 63 Bioinformatic analysis of ankylosing spondylitis based on high-throughput microarray
ZHANG Dongliang, ZHAO Shuxuan, XIANG Gao, LIU Kaixin, GONG Chaoyang, WANG Shuanke, ZHANG Haihong
- 71 Construction of tissue engineering nucleus pulposus with decellularized stem cell matrix scaffolds and rabbit synovium-derived stem cells *in vitro*
ZHU Shuitao, MIN Jing, WANG Qunbo, ZHENG Hua, GUO Hua

Clinical Medicine

- 77 Dual specificity protein phosphatase 3 and tumor necrosis factor- α as prognostic biomarkers and their regulation by tripterygium glycosides in rheumatoid arthritis
Li Xingrui, TAN Yue, LIU Tong, GE Xianying, LU Jidi, MENG Lin, RONG Huadong
- 85 Effect of thoracic paravertebral block-propofol intravenous balance general anesthesia on serum vascular endothelial growth factor C and transforming growth factor β 1 in patients undergoing radical lung cancer resection
WANG Kai, YANG Tongju, WANG Lijun, WANG Zhen, CHEN Liyong

Journal of Third Military Medical University

Editor-in-chief

Qian Guisheng (Chongqing, China)

Associate Editor-in-chief

Cao Jia (Chongqing, China)

Zhang Shaoxiang (Chongqing, China)

Wu Yuzhang (Chongqing, China)

Bian Xiuwu (Chongqing, China)

Zhu Zhiming (Chongqing, China)

Gao Yuqi (Chongqing, China)

Zou Quanming (Chongqing, China)

Leng Huaiming (Chongqing, China)

Editorial Board in Brief

Chen Jiangfan (Massachusetts, U.S.A.)

Chen Kangning (Chongqing, China)

Chen Zhengtang (Chongqing, China)

Deng Guohong (Chongqing, China)

Dong Jiahong (Beijing, China)

Fan Daiming (Xi'an, China)

Fang Dianchun (Chongqing, China)

Feng Hua (Chongqing, China)

Feng Zhengzhi (Chongqing, China)

Fu Xiaobing (Beijing, China)

Guo Qiaonan (Chongqing, China)

Guo Deyu (Chongqing, China)

He Fengtian (Chongqing, China)

Hou Fanfan (Guangzhou, China)

Hu Zhi'an (Chongqing, China)

Huang Lan (Chongqing, China)

Huang Taosheng (California, U.S.A.)

Jan Born (Lübeck, Germany)

Jiang Jianxin (Chongqing, China)

Jiang Jun (Chongqing, China)

Jin Fengshuo (Chongqing, China)

Kong Xiangfu (Chongqing, China)

Laurence Hylton Patterson (Bradford, United Kingdom)

Li Dapeng (Hangzhou, China)

Li Li (Chongqing, China)

Li Xiaohui (Chongqing, China)

Liang Houjie (Chongqing, China)

Liu Baohua (Chongqing, China)

Liu Liangming (Chongqing, China)

Liu Junze (Chongqing, China)

Mao Qing (Chongqing, China)

Mao Xuhu (Chongqing, China)

Masao Omata (Tokyo, Japan)

Ni Bing (Chongqing, China)

Pei Xuetao (Beijing, China)

Rao Xiancai (Chongqing, China)

Shi Chunmeng (Chongqing, China)

Song Bo (Chongqing, China)

Song Zhiyuan (Chongqing, China)

Tan Jun (South Florida, U.S.A.)

Thomas Allen Lang (Washington, U.S.A.)

Wan Qi (Nevada, U.S.A.)

Wang Hongyang (Shanghai, China)

Wang Jimin (Maryland, U.S.A.)

Wang Longde (Beijing, China)

Wu Peihong (Chongqing, China)

Wu Xiongfei (Chongqing, China)

Xia Peiyuan (Chongqing, China)

Xiao Yingbin (Chongqing, China)

Xu Jianming (Texas, U.S.A.)

Xu Jianzhong (Chongqing, China)

Yan Jun (Calgary, Canada)

Yang Liu (Chongqing, China)

Yang Shiming (Chongqing, China)

Yu Peiwu (Chongqing, China)

Yu Zhengping (Chongqing, China)

Zeng Chunyu (Chongqing, China)

Zhang Lianyang (Chongqing, China)

Zhang Weiguo (Chongqing, China)

Zhao Min (California, U.S.A.)

Zhou Yue (Chongqing, China)

Zou Zhongmin (Chongqing, China)

Executive Editorial Board Member

XU Jianzhong

Executive Editor

ZHANG Wei

Executive Proofreaders

WU Peihong, WANG Qinjian

English Editor

GUO Jianxiu

Consultant for Chinese Library Classification

GENG Peng

學術信息支
持現培育人
才流動的園
地。展示了校
園文化水平的
高超，是學校
創造學校品
牌的一條重
要途径。

