

生物医学工程学进展

Shengwu Yixue Gongchengxue Jinzhan

第 46 卷第 2 期总第 167 期
Vol. 46 No. 2
2025 年 4 月 (双月刊)

主管单位: 上海市科学技术协会
主办单位: 上海市生物医学工程学会
编辑出版: 《生物医学工程学进展》编辑部
上海市徐汇区华山路 1954 号
Med-X 研究院
邮政编码: 200230
联系电话: 18721115630
电子邮箱: pbmesh@aliyun.com
投稿平台: www.bmepprogress.com

编辑委员会 (Editorial Board):

(按汉语拼音排序)

顾问 (Consultant):

陈亚珠 戴魁戎 丁文祥 范关荣 邱蔚六

编委会主任 (Director of Editorial Board):

王威琪

编委 (Editorial Board):

包尚联 蔡宗远 曹少平 常江 陈克敏
陈克伟 丁光宏 高上凯 葛毅 胡兵
李斌 李力 李国强 梁培基 廖德宁
陆祖宏 彭卫军 钱建国 沈定刚 宋志坚
孙皎 王晗 王平 王飞虎 王文平
魏红江 严壮志 杨秀琼 殷卫海 于海龙
张坚 张建国 张力方 张镇西 张志愿
朱德明

青年编委 (Young Editorial Board):

白瑞良 程荣山 宋炜宸 王鹤 王薇
王卫娣 叶坚 叶振鸿 张玉瑶 张志勇
庄捷

主编 (Editor in Chief): 冯晓源

常务副主编 (Deputy Editor in Chief): 汪源源

执行副主编 (Executive Editor in Chief): 林关宁

副主编 (Associate Editor):

包尚联 常江 陈克伟 高上凯 胡兵
梁培基 陆祖宏 彭卫军 沈定刚 宋志坚
王平 王文平 严壮志 张建国 张镇西
张志愿

编辑部主任: 张鸣伟

国际标准连续出版物号: ISSN I674 - 1242

国内统一连续出版物号: CN 31-1999/R

订 阅: 全国各地邮局

邮发代号: 4-558

发行范围: 公开发行

国内发行: 上海市报刊发行局

海外总发行: 中国国际图书贸易集团有限公司

国外发行代号: Q3734

印 刷: 上海颀辉印刷厂有限公司

出版日期: 2025 年 4 月 30 日

定 价: 每册 15 元 全年 60 元

目 次

(1979 年创刊)

医学影像与成像

- 多模态超声引导下射频消融术对甲状腺良性结节患者的影响
..... 杨佳, 程嘉, 冯岩, 王静 (135)
- 经阴道超声监测卵泡发育与子宫内膜厚度变化的临床研究..... 张媛 (140)
- 增强超声引导下经皮微波消融在甲状腺良性结节中的应用价值
..... 马雪颖, 杨利平, 夏艳 (146)
- 经会阴二维超声联合三 / 四维超声检查在女性盆底功能障碍性疾病中的诊断价值
..... 刘丹丹, 张静, 汤娟娟 (152)

生物医学与分子生物学

- 血清 LDH、IL-6 与初治多发性骨髓瘤患者早期治疗反应性的相关性
..... 肖晶晶, 毛沛沛 (157)
- 扶正解毒方联合肠内营养对胃癌伴营养不良患者中医证候积分和舌苔菌群的影响
..... 张喜峰, 胡彦辉, 赵松伟 (165)

教学与人才培养

- 面向医工融合的“知识 - 能力 - 课程”三位一体课程矩阵设计及教学实践
..... 宋剑, 李哲, 刘杰, 张超 (171)
- 基于智能医学仪器设计的 C++ 程序开发课程教改
..... 任杰, 田福英, 瞿亦涵, 连凡程, 鲁梦夕, 姜宜辰 (176)
- 课程思政联合“CBL+PBL+TBL”多模式教学法在医学影像专业中的初探
..... 刘玉, 王远军 (182)
- 抗疫精神思政教育融入“口腔颌面医学影像诊断学”课程教学的实践与探索
..... 洪彪, 陈永锋, 李建成 (187)

临床医学与卫生保健服务

- 浅谈公立医院医疗设备处置管理体系的优化与探讨
..... 张磊, 唐士懋, 范璐敏 (194)
- 脑梗死后运动功能障碍患者康复期跌倒风险预测模型的构建与验证
..... 邢瑞娜 (203)
- 基于前馈控制体系的集束化护理策略对口腔癌患者术后吞咽功能和营养状况的影响
..... 代柳, 张瑞锐, 许雪雪 (209)
- 改良透明敷贴固定法降低脱管率的临床观察
..... 袁家梅, 孙东燕 (216)
- 腹横筋膜平面阻滞联合静脉自控镇痛对剖宫产术后产妇产后镇痛、术后恢复和泌乳情况的影响
..... 曹富, 赵大刚, 李丽丽, 李雅丹 (221)
- 阿替普酶与尿激酶在急性缺血性脑卒中患者中的疗效与血清指标比较
..... 安豫, 党海燕, 安泉 (226)
- 多模态护理干预对消化道肿瘤化疗患者便秘改善的研究
..... 潘晓丹, 宋双红, 黄嘉玉 (233)
- 基于赋能理论的行为转变护理对肿瘤内科老年患者症状困扰、心理韧性及应对方式的影响
..... 杨云凤 (240)
- IKAP 护理模式联合心理干预在人工授精患者中的应用效果研究
..... 岳丹丹, 孟晓楠 (248)
- 替格瑞洛联合阿司匹林双联治疗对冠心病 PCI 术后患者凝血功能及氧化应激指标的影响
..... 丁达竹, 万迎杰, 张宗阳 (254)
- 急性胆囊炎患者术后饮食指导联合心理干预的护理模式对术后恢复的作用机制研究
..... 李畅, 米颖, 王莹, 王芳 (261)
- 舒洛地特注射液与低分子肝素治疗下肢动脉硬化闭塞症的临床研究
..... 褚云峰, 陈仲, 周波, 袁文豪, 彭艳斌 (266)

PROGRESS IN BIOMEDICAL ENGINEERING

MAIN CONTENTS

Vol.46, No.2, 2025

Medical Imaging

- The Effect of Multimodal Ultrasound-Guided Radiofrequency Ablation on Patients with Benign Thyroid Nodules YANG Jia, CHENG Jia, FENG Yan, WANG Jing (135)
- Clinical Practical Study on Transvaginal Ultrasound Monitoring of Follicular Development and Endometrial Thickness Changes ZHANG Yuan (140)
- Application Value of Enhanced Ultrasound-Guided Percutaneous Microwave Ablation in Benign Thyroid Nodules MA Xueying, YANG Liping, XIA Yan (146)
- Diagnostic Value of Transperineal 2D Ultrasound Combined with 3D/4D Ultrasound in Female Pelvic Floor Dysfunction Diseases LIU Dandan, ZHANG Jing, TANG Juanjuan (152)

Biomedical Science and Molecular Biology

- Correlation Between Serum LDH, IL-6 and Early Treatment Response in Newly Diagnosed Multiple Myeloma Patients XIAO Jingjing, MAO Peipei (157)
- Effect of Fuzheng Jiedu Prescription Combined with Enteral Nutrition on TCM Syndrome Scores and Tongue Coating Microbiota in Gastric Cancer Patients with Malnutrition ZHANG Xifeng, HU Yanhui, ZHAO Songwei (165)

Teaching and Talent Development

- Design and Teaching Practice of a Trinitarian Curriculum Matrix of "Knowledge-Ability-Course" Oriented towards Medical-Engineering Integration SONG Jian, LI Zhe, LIU Jie, ZHANG Chao (171)
- Teaching Reform in C++ Programming Course Based on Intelligent Medical Instrument Design REN Jie, TIAN Fuying, QU Yihan, LIAN Fancheng, LU Mengxi, JIANG Yichen (176)
- A Preliminary Study on Integrating Curriculum Ideology and Politics with "CBL+PBL+TBL" Multimodal Teaching in Medical Imaging Majors LIU Yu, WANG Yuanjun (182)
- Incorporating Anti-Epidemic Spirit and Ideological Education into the Practice and Exploration of Courses Teaching of Oral and Maxillofacial Medical Imaging Diagnostics HONG Xiao, CHEN Yongfeng, LI Jiancheng (187)

Clinical Medicine and Healthcare Services

- Optimization and Exploration of the Management System for Medical Equipment Disposal in Public Hospitals ZHANG Lei, TANG Shimao, FAN Lumin (194)
- Construction and Verification of a Fall Risk Prediction Model During Rehabilitation Period in Patients with Motor Dysfunction After Cerebral Infarction XING Ruina (203)
- Effects of a Feedforward Control System-Based Bundled Care Strategy on Postoperative Swallowing Function and Nutritional Status in Oral Cancer Patients DAI Liu, ZHANG Ruirui, XU Xuexue (209)
- Clinical Observation on the Improved Epidural Catheter Fixation Method for Reducing Dislodgement Rates YUAN Jiamei, SUN Dongyan (216)
- Effect of Transverse Abdominis Plane Block Combined with Patient-Controlled Intravenous Analgesia on Pain Relief, Postoperative Recovery and Lactation in Postpartum Women after Cesarean Section CAO Fu, ZHAO Dagang, LI Lili, LI Yadan (221)
- Comparative Study of Alteplase Versus Urokinase in Acute Ischemic Stroke: Effects on Clinical Outcomes and Serum Parameters AN Yu, Dang Haiyan, AN Quan (226)
- Research on the Improvement of Constipation in Patients with Gastrointestinal Tumors Undergoing Chemotherapy and Radiotherapy through Multimodal Nursing Intervention PAN Xiaodan, SONG Shuanghong, HUANG Jiayu (233)
- Effects of Empowerment Theory-Based Behavioral Transformation Nursing on Symptom Distress, Psychological Resilience and Coping Styles in Elderly Oncology Patients YANG Yunfeng (240)
- Study on the Application Effect of the IKAP Nursing Model Combined with Psychological Intervention in Patients with Artificial Insemination YUE Dandan, MENG Xiaonan (248)
- Effect of Ticagrelor Combined with Aspirin on Coagulation Function and Oxidative Stress Indexes in Patients with Coronary Heart Disease After PCI DING Dazhu, WAN Yingjie, ZHANG Zongyang (254)
- Mechanistic Study of a Combined Nursing Model of Dietary Guidance and Psychological Intervention on Postoperative Recovery in Patients with Acute Cholecystitis LI Chang, MI Ying, WANG Ying, WANG Fang (261)
- Clinical Study of Sulodexide Injection and Low-Molecular-Weight Heparin in the Treatment of Lower Extremity Atherosclerotic Obliterations CHU Yunfeng, CHEN Zhong, ZHOU Bo, YUAN Wenhao, PENG Yanbin (266)

NEWS

Edited and Published by the Editorial
Office of "Progress in Biomedical
Engineering" (Med-X Research Institute,
No. 1954 Huashan Road, Xuhui District,
Shanghai, 200230)
Director of Editorial Board: WANG Weiqi
Editor in Chief: FENG Xiaoyuan

Subscriptions:

Domestic Local Post Offices
Foreign China International
Book Trading Corporation,
P. O. Box 399 Beijing, CHINA

ISSN 1674-1242 CN 31-1999/R