



ISSN 1005-8982 (Print)

ISSN 2096-9236 (Online)

CN 43-1225/R

中国现代医学杂志

ZHONGGUO XIANDAI YIXUE ZAZHI
CHINA JOURNAL OF MODERN MEDICINE

第31卷
Volume 31

第23期
Number 23

2021年12月
December 2021



ISSN 1005-8982



9 771005 898213

《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

中国科技核心期刊

中南大学 中南大学湘雅医院主办

www.zgxdyx.com

中国现代医学杂志

ZHONGGUO XIANDAI YIXUE ZAZHI

半月刊 1991 年创刊 第 31 卷第 23 期 2021 年 12 月 15 日出版

主管单位 中华人民共和国教育部

主办单位 中南大学

中南大学湘雅医院

编 辑 《中国现代医学杂志》编辑委员会

编委会名誉主任 王陇德

主 编 陈子华

出 版 湖南省湘雅医学期刊社有限公司

湖南省长沙市湘雅路 87 号

邮编 : 410008

电话 :(0731) 84327993

传真 :(0731) 84327987

E-mail : journal@zgxdyx.com

官网 : www.zgxdyx.com

广告发布登记编号

湘市监广登字 [2019] 第 35 号

印 刷 长沙芙蓉印务广告有限公司

15073124455

发 行 湖南省报刊发行局

(0731) 85988254

订 购 全国各地邮局

邮发代号 42-143

邮 购 《中国现代医学杂志》编辑部

410008

长沙市湘雅路 87 号

电话 :(0731) 84327993

传真 :(0731) 84327987

国内定价 每期 25.00 元, 全年 600.00 元

中国标准连续出版物号

ISSN 1005-8982 (Print)

ISSN 2096-9236 (Online)

CN 43-1225/R

目 次

专家述评

骨关节炎阶梯化治疗, 方兴未艾! 钟达, 齐军 1

关节疾病专题·论著

膝骨关节炎 MSCT、MRI 的影像学特征及联合应用的诊断价值

..... 谷艳梅, 郭静, 田斌, 等 6

肩关节镜下肩袖修复术后 I 型复杂区域疼痛综合征的危险因素分析

..... 杨树, 王洪涛, 张宇, 等 11

全膝关节置换术治疗膝内翻畸形的中期效果分析

..... 郑大伟, 刘晓之, 刘刚 19

髋臼侧截骨联合股骨侧截骨术治疗儿童髋关节发育不良的临床疗效

..... 华水生, 熊名副, 万春虎 25

实验研究·论著

M2 型巨噬细胞来源的外泌体对类风湿性关节炎小鼠的作用及其机制研究

闻君侠, 王瑾, 江彬锋, 等 30

MRTF-A 的 SUMO 化对人脐静脉内皮细胞迁移能力的影响

..... 谷岩, 张蕊, 何菊, 等 38

综述

骨关节炎疼痛相关危险因素研究进展

徐波, 邢润麟, 范军, 等 45

促进膝关节前交叉韧带重建术后膝骨愈合方法的研究进展

..... 奉刘伟, 周霖, 度伟, 等 49

临床研究·论著

骨蚀汤加减联合塞来昔布胶囊治疗非创伤性股骨头坏死的临床疗效观察

..... 邱宏韬, 林青, 曲震, 等 57

椎间孔镜下靶点穿刺治疗游离脱垂型腰椎间盘突出症的临床疗效分析.....	张波波，侯东峰，王莹，等	62
经皮跨伤椎与经伤椎短节段后路内固定治疗胸腰椎骨折的临床疗效及力学性能比较.....	王荣，刘岩路，佟敏，等	67
前路或前后路联合手术治疗颈椎布鲁杆菌性脊柱炎的临床疗效观察.....	张凯祥，孟宪勇，杨新明，等	72
鼠神经生长因子、亚低温联合甲强龙在急性脊髓损伤中的应用及对氧化应激水平的影响	朱强，胡国良，李全春，等	79
小而密低密度脂蛋白胆固醇对糖尿病足的影响	刘洋	84
丁苯酞软胶囊配合针刺星状神经节治疗后循环缺血的疗效观察及对患者氧化应激机制的干预作用	李东旭，李凤陈	89
钙基抗菌多肽复合物凝胶治疗头皮脂溢性皮炎的疗效观察	林文君，吕书影，曲保全，等	96

期刊基本参数 : CN 43-1225/R * 1991 * s * A4 * 100 * zh+en * P * ¥ 25.0 * 1500 * 17 * 2021-12

中文责任编辑 : 张蕾

中国知网优先数字出版网址 : <http://www.cnki.net>

本刊网址 : www.zgxdyx.com

CHINA JOURNAL OF MODERN MEDICINE

Semimonthly periodical Volume 31, Number 23, Dec. 15, 2021

Responsible Institution

Ministry of Education, China

Sponsors

Central South University

Xiangya Hospital of Central South
University

Editing

Editorial Board of China Journal of
Modern Medicine

Honorary Editor-in-Chief

Long-de Wang

Editor-in-Chief

Zi-hua Chen

Publishing

Hunan Xiangya Medical Periodical
Press Co. Ltd.

87 Xiangya Road, Changsha, Hunan
410008, China

Telephone: (86-731) 84327993

Fax: (86-731) 84327987

E-mail: journal@zgxdyx.com

Website: www.zgxdyx.com

Printing

Changsha Fuyin Printing and Advertising
Company Limited
15073124455

Domestic Distribution

Hunan Press Bureau
(86-731) 85988254

Subscription

All Domestic Local Post Offices
Postal Distribution Code 42-143

Mail-Order

Editorial Board of China Journal of
Modern Medicine
87 Xiangya Road, Changsha, Hunan
410008, China
Telephone: (86-731) 84327993
Fax: (86-731) 84327987

Subscription Price

25.0 Yuan/Issue, 600 Yuan/Year

CSSN

ISSN 1005-8982(Print)

ISSN 2096-9236(Online)

CN 43-1225/R

Table of Contents

· Expert review ·

- Thriving concept of stepped therapy for osteoarthritis Da Zhong, Jun Qi 1

· Joint disease researches ·

- Imaging features of MSCT and MRI in degenerative knee osteoarthritis and
diagnostic value of combined application Yan-mei Gu, Jing Guo, Bin Tian, *et al* 6

- Risk factor analysis of type I complex regional pain syndrome after
arthroscopic rotator cuff repair Shu Yang, Hong-tao Wang, Yu Zhang, *et al* 11

- Analysis of the mid-term effect of total knee arthroplasty with different
Krackow classification Da-wei Zheng, Xiao-zhi Liu, Gang Liu 19

- Clinical study of acetabular osteotomy combined with femoral osteotomy
in treatment of developmental hip dysplasia in children Shui-sheng Hua, Ming-fu Xiong, Chun-fu Wan 25

· Experimental researches ·

- Effect and mechanism study of M2 macrophages-derived exosomes in
treatment of collagen induced rheumatoid arthritis mouse Jun-xia Wen, Jin Wang, Bin-feng Jiang, *et al* 30

- Inhibition of CCN1 expression by sumoylation of MRTF-A on migration of
human umbilical vein endothelial cells Yan Gu, Rui Zhang, Ju He, *et al* 38

· Review ·

- Research progress on pain related risk factors of osteoarthritis Bo Xu, Run-lin Xing, Jun Mao, *et al* 45

- Research progress of tendon and bone healing after anterior cruciate
ligament surgery Liu-wei Gu, Lin Zhou, Wei Tuo, *et al* 49

· Clinical researches ·

Clinical observation of guetu decoction combined with celecoxib capsule in the treatment of non-traumatic femoral head necrosis	Hong-tao Qiu, Qing Lin, Zhen Qu, <i>et al</i>	57
Application of target puncture technique in treatment of free prolapse type lumbar disc herniation under percutaneous endoscopic transforaminal discectomy	Bo-bo Zhang, Dong-feng Hou, Ying Wang, <i>et al</i>	62
Clinical efficacy and mechanical properties comparison between percutaneous trans-traumatic and trans-traumatic short-segment posterior internal fixation for thoracolumbar fractures	Rong Wang, Yan-lu Liu, Min Tong, <i>et al</i>	67
Retrospective analysis of the clinical efficacy of anterior or posterior combined operation in treatment of cervical spine Brucella spondylitis	Kai-xiang Zhang, Xian-yong Meng, Xin-ming Yang, <i>et al</i>	72
Application of nerve growth factor, methylprednisolone, and mild hypothermia in acute spinal cord injury and their effect on oxidative stress.....	Qiang Zhu, Guo-liang Hu, Quan-chun Li, <i>et al</i>	79
Clinical research of small dense low density lipoprotein and diabetic foot	Yang Liu	84
Therapeutic effect of butylphthalide soft capsule combined with acupuncture at stellate ganglion on posterior circulation ischemia and its intervention on oxidative stress mechanism	Dong-xu Li, Feng-chen Li	89
Clinical effect of calcium-based antimicrobial polypeptide compounds gel on scalp seborheic dermatitis	Wen-jun Lin, Shu-ying Lü, Bao-quan Qu, <i>et al</i>	96

Essential parameter of journal: CN 43-1225/R * 1991 * s * A4 * 100 * zh+en *P* ¥25.0 * 1500 * 17 * 2021-12

Chinese responsible editor: Lei Zhang