

ISSN 2095-9958
CN 10-1316/R

中国科技核心期刊(中国科技论文统计源期刊)

2023年9月 第16卷 第9期 Volume 16 Number 9 September 2023

中华骨与关节外科杂志

ZHONGHUA GU YU GUANJIE WAIKE ZAZHI

Chinese
Journal of
Bone and
Joint
Surgery

9

2023 Vol.16

ISSN 2095-9958



9 772095 995233

主管：国家卫生健康委员会

主办：中国医学科学院



中华骨与关节外科杂志

ZHONGHUA GU YU GUANJIE WAIKE ZAZHI

月刊 2008年4月创刊 第16卷 第9期 2023年9月

主 管
国家卫生健康委员会

主 办
中国医学科学院

主 编
邱贵兴

本期执行主编
秦泗河

编辑部主任
翁习生

编辑出版
中国协和医科大学出版社有限公司
《中华骨与关节外科杂志》编辑部
北京东单三条9号 100730
电话:010-65281306
E-mail:guguanjie@126.com
投稿网址:www.cbjjs.com

印 刷
北京建宏印刷有限公司
中国标准连续出版物号

ISSN 2095-9958
CN 10-1316/R

广告发布登记号
京东市监广登字20170143号

广 告
《中华骨与关节外科杂志》市场部

发 行
范围:公开
国内:中国邮政集团有限公司北京市报刊发行局
国外:中国国际图书贸易集团有限公司

邮 发
全国各地邮电局 邮发代号 82-735

国内定价
每期15.00元 全年180.00元

编 辑
孙维 李丹阳 曹静

本期特约编辑
臧建成

本期责任编辑
曹静

本刊版权归《中华骨与关节外科杂志》编辑部所有

目 次

述评

迎来 Ilizarov 技术与肢体重建生态发展的新时代(769)
秦泗河

临床论著

胫骨结节下截骨结合泰勒空间外固定器治疗成人特发性膝内翻(773)
许红生,王振军,郭悦,张海涛,刘志杰,焦绍峰,秦泗河

胫骨结节下微创弧形截骨术联合 Ilizarov 技术治疗膝关节内侧间室
骨关节炎(779)

浦绍全,廖建青,夏桑,蒙旭晗,陈延岭,赵泽雨,齐欣,浦路桥,
梁金龙,徐永清

计算机辅助六轴外固定器骨搬移术治疗 Gustilo III型开放性胫骨骨折
伴节段性骨缺损(786)

沈义东,崔毅,邹国友,王昕,穆洪鑫,卞荣鹏,吴崇昊

重组人骨形态发生蛋白 2 对胫骨骨搬移术后新生骨段矿化的影响(793)
张泽,张进,王栋,李岩,李娟,张茹琦,刘少皇,张永红

秦泗河手术方法治疗成人创伤后僵硬性马蹄内翻足畸形(800)
岳孝太,王伟世,师富贵,甘泰芳,马登朝,臧建成

距骨 U型截骨结合 Ilizarov 技术治疗成人距骨发育不良性马蹄足畸形
.....(807)

王宏鑫,谢书强,侯建奎,黄保根,王蒙蒙,李建永

骨水泥填塞联合 Ilizarov 技术分期治疗感染性第 1 跖趾关节痛风石
并骨缺损(813)

谢杰伟,陈谱,管华,刘毅,黄伟明,冯恩辉,何剑波,梁家畅

Ilizarov 技术联合腕关节镜治疗桡骨远端不稳定骨折(818)
邵文年,赵玉华,吴震,刘维平

Ilizarov技术治疗手指短缩畸形(822)
崔宜栋,臧建成,王刚,孙玉亮,许庆家,朱磊

Ilizarov技术新知识与新领域:基于他引频次最高的30篇中文文献的可视化分析(828)
杨盛慧,花奇凯

病例报道

Ilizarov技术牵拉矫正硬皮病致足踝畸形1例报道(837)
秦泗河,臧建成,石磊

国际交流

英国赫尔肢体畸形矫正培训班见闻(840)
臧建成,郑楷贤

综述

Ilizarov技术治疗软骨发育不全下肢畸形的研究进展(843)
殷海阳,秦泗河,石磊,郑学建

肢体延长手术的应用、发展及其并发症(849)
唐佳昕,刘铭

胫骨横向搬移技术的临床应用及其诱导血管再生机制的研究进展(854)
徐道非,胡蓉,余庆龙,廖龙,张滔,余琳,张定伟,石波

信号通路对Ilizarov技术牵张成骨调节作用的研究进展(860)
付志斌,何国伟,陈威,谭明远,王国慧,徐玉德,周明旺



欢迎关注《中华骨与关节外科杂志》微信公众号

Chinese Journal of Bone and Joint Surgery

Monthly Established in April 2008

Volume 16 Number 9 September 2023

Responsible Institution

National Health Commission of
the People's Republic of China

Sponsor

Chinese Academy of Medical Sciences

Editor-in-Chief

QIU Guixing (邱贵兴)

Acting Director

WENG Xisheng (翁习生)

Editing & Publishing

Editorial Office of
Chinese Journal of Bone and Joint Surgery,
No.9, Dong Dan San Tiao, Beijing 100730, China
Tel: 0086-10-65281306
E-mail: guguanjie@126.com
http://www.cjbjs.com

Printing

Beijing Jianhong Printing Co., Ltd.

CSSN

ISSN 2095-9958
CN 10-1316/R

Copyright©2023 by the Editorial Office of Chinese Journal of Bone and Joint Surgery

No content published by the Chinese Journal of Bone and Joint Surgery may be reproduced or abridged without authorization. Please do not use or copy the layout and design of the Journal without permission.

All articles published represent the opinions of the authors, and do not reflect the official policy of the Editorial Board, unless this is clearly specified.

Contents

Expert Commentary

- A new era of Ilizarov technology and limb reconstruction ecological development (769)
QIN Sihe

Clinical Research

- Application of tibiofibular osteotomy combine with Taylor spatial frame for the correction of adult idiopathic genu varum (773)
*XU Hongsheng, WANG Zhenjun, GUO Yue, ZHANG Haitao,
LIU Zhijie, JIAO Shaofeng, QIN Sihe*
- Minimally invasive curved osteotomy under tibial tuberosity combined with Ilizarov technique in the treatment of medial compartment osteoarthritis of the knee joint (779)
*PU Shaoquan, LIAO Jianqing, XIA Shen, MENG Xuhan, CHEN Yanling,
ZHAO Zeyu, QI Xin, PU Luqiao, LIANG Jinlong, XU Yongqing*

- Computer-assisted hexapod spatial frame transport for Gustilo grade III open tibial fractures combined with segmental bone defects (786)
*SHEN Yidong, CUI Yi, ZOU Guoyou, WANG Xin, MU Hongxin,
BIAN Rongpeng, WU Chonghao*

- Effect of recombinant human bone morphogenetic protein-2 on the mineralization of new bone segments after tibial bone transport (793)
*ZHANG Ze, ZHANG Jin, WANG Dong, LI Yan, LI Juan, ZHANG Ruqi,
LIU Shaohuang, ZHANG Yonghong*

- QIN Sihe's surgical method for treatment of post-traumatic stiff clubfoot deformity in adults (800)
*YUE Xiaotai, WANG Weishi, SHI Fugui, GAN Taifang, MA Dengchao,
ZANG Jiancheng*

U-shaped osteotomy of talus combined with Ilizarov technique in the treatment of adult equinus deformity with talus dysplasia	(807)
WANG Hongxin, XIE Shuqiang, HOU Jianxi, HUANG Baogen, WANG Mengmeng, LI Jianyong	
Bone cement packing combined with Ilizarov technique in the staged treatment of infected first metatarsophalangeal joint tophi and bone defects	(813)
XIE Jiewei, CHEN Pu, GUAN Hua, LIU Yi, HUANG Weiming, FENG Enhui, HE Jianbo, LIANG Jiachang	
Ilizarov technique combined with wrist arthroscopy in the treatment of unstable distal radius fractures	(818)
SHAO Wennian, ZHAO Yuhua, WU Zhen, LIU Weiping	
Application of Ilizarov technique for the treatment of finger shortening deformity	(822)
CUI Yidong, ZANG Jiancheng, WANG Gang, SUN Yuliang, XU Qingjia, ZHU Lei	
New knowledge and emerging fields in Ilizarov technique: a visualized analysis derived from the top 30 most cited Chinese literature	(828)
YANG Shenghui, HUA Qikai	

Case Report

A case report of Ilizarov technique used in the correction of ankle deformity caused by scleroderma	(837)
QIN Sihe, ZANG Jiancheng, SHI Lei	

International Communication

Experience of Hull Deformity Planning Couse in the United Kingdom	(840)
ZANG Jiancheng, Tay Kae Sian	

Review

Recent progress of Ilizarov technique in the treatment of lower limbs achondroplasia	(843)
YIN Haiyang, QIN Sihe, SHI Lei, ZHENG Xuejian	

Application, development and complications of limb lengthening surgery	(849)
TANG Jiaxin, LIU Ming	

Research progress on the clinical application of the tibial transverse transport technique and its angiogenesis mechanism	(854)
XU Daofei, HU Rong, YU Qinglong, LIAO Long, ZHANG Tao, YU Lin, ZHANG Dingwei, SHI Bo	

Research progress on the regulatory effect of signaling pathways on Ilizarov technique distraction osteogenesis	(860)
FU Zhibin, HE Guowei, CHEN Wei, TAN Mingyuan, WANG Guohui, XU Yude, ZHOU Mingwang	





VAC® 维斯捷®

一次性负压引流护创治疗系统

精巧智能 引流便捷



智能负压
轻巧稳定



分子锁水
高效封闭



护创升级
引流从容



M 让生命赞美医学
Medicine praised by life

武汉维斯第医用科技股份有限公司

WUHAN VSD MEDICAL SCIENCE&TECHNOLOGY CO., LTD.

服务热线:4008-820-210

企业官网:www.vsd-vac.com

企业地址:湖北省武汉市东西湖区田园街211号

禁忌内容或注意事项详见说明书请仔细阅读产品说明书或在医疗人员指导下购买使用
器械广审(文)第250815-11742号



企业公众号



企业视频号