


生物骨科材料 与 临床研究

CN 42-1715/R
ISSN 1672-5972




VOL.16 NO.4 AUGUST 2019

ORTHOPAEDIC BIOMECHANICS MATERIALS AND CLINICAL STUDY


 中国科技论文统计源期刊
(中国科技核心期刊)

 中文生物医学期刊文献数据库

 万方数据 资源系统
WANFANG DATA 数字化期刊

 中文科技期刊数据库

 CNKI C J F D
中国期刊全文数据库期刊

 CAS 化学文摘
Abstracts of the American Chemical Society

ISSN 1672-5972



2019年08月第4期(总第95期)

第十六卷

生物骨科材料

与 临床研究

VOL.16 NO.4 AUGUST 2019

双月刊

第16卷 第4期 (总第95期)

2019年8月15日出版

CN 42-1715/R

ISSN 1672-5972

ORTHOPAEDIC BIOMECHANICS MATERIALS AND CLINICAL STUDY

主管单位

湖北省药品监督管理局

主办单位

湖北省医疗器械协会

顾问

崔福斋 侯春林 侯树勋 卢世璧

裴福兴 邱贵兴 王岩

主编

陈安民

常务副主编

李锋

副主编

蔡林 高忠礼 勘武生 栾晨光

罗卓荆 沈彬 徐永清 郑启新

朱振安

出版单位

本刊编辑部

印刷单位

武汉贝思印务设计有限公司

国内总发行

武汉市邮政局

国内邮发代号

38-114

订 阅

全国各地邮局

国外总发行

中国出版对外贸易总公司

国内统一刊号

CN42-1715/R

国际标准刊号

ISSN1672-5972

广告经营许可证

武汉工商广字4201114002716

国内定价

每册19.8元

编辑部地址: 武汉市洪山区书城

28号北港工业园(430070)

电话: 027-88138800 13871155570

027-88309090转8290/8291

邮箱: swgkcl@163.com

网址: www.swgkcl.com

主任

张晶

责任编辑

蒋彬彬 刘晗琴

目 次

述评——骨不连、骨缺损

徐永清 前插页

骨不连、骨缺损

股方肌骨瓣结合髂骨或股骨大转子植骨治疗股骨颈骨不连····· 徐永清 范新宇 何晓清 等 1

陶瓷人工骨修复32例成人良性骨肿瘤和瘤样病变刮除后骨缺损····· 潘朝晖 赵玉祥 薛山 等 5

硫酸钙介导的诱导膜技术与常规诱导膜技术治疗胫骨创伤后大段骨缺损的临床疗效对比

····· 徐建平 李妹霞 左杨斌 等 10

不同类型血管蒂胫骨皮瓣治疗四肢骨不连····· 梁磊 刘月华 周明武 等 14

短缩-延长及骨搬运在胫骨感染性骨不连中的应用及疗效····· 孙一 徐佳 刘生和 等 18

上臂前外侧入路双锁定钢板治疗肱骨干骨折骨不连13例临床分析····· 盛奇智 刘平 阮锋 等 23

体外冲击波治疗骨不连27例临床观察····· 张海杰 周卓 邵留影 等 27

外固定支架在肱骨干萎缩性骨不连中的应用及疗效····· HONG SUNG MIN 徐佳 汪春阳 等 30

骨折不愈合的诊断及治疗建议····· 吴航天 赵行琪 胡岩君 等 33

骨延迟愈合、骨不连的微创治疗现状····· 屠永刚 任绍东 马邦兴 等 37

扩髓带锁髓内钉髓内植骨治疗复杂胫骨干陈旧性骨折或骨折不愈合

····· 许杰 张知博 郭庆钢 等 40

骨搬运技术联合局部载庆大霉素硫酸钙治疗胫骨感染性骨不连1例

····· 赵行琪 姜楠 林庆荣 等 43

论著·实验研究

微创可注射双相骨水泥的制备及性能表征和复合DBM成骨能力研究····· 张铁 祝超 叶莹 等 46

聚醚醚酮表面多孔羟基化改性对MC3T3-E1细胞黏附、增殖的影响

····· 吴九平 朴颖鑫 于海驰 等 51

论著·临床研究

腰椎后路病灶清除植骨融合内固定治疗腰椎间隙非特异性感染的疗效分析

····· 李勇 吴巍 王欢 等 55

一期固定原位植皮治疗AO/IO4-MT2-NV1型胫腓骨远端骨折的初步探讨

····· 孔长庚 吴多庆 郭祥 等 59

论著·经验交流

人工股骨头置换术治疗老年患者不稳定型股骨粗隆间骨折····· 刘阳 彭昊 黄冠予 等 63

穿支螺旋浆皮瓣和腓肠神经血管皮瓣修复足踝部软组织缺损的临床价值对比

····· 呼格吉力吐 江起庭 68

脉冲冲洗联合负压封闭引流术在开放性骨折中的应用研究····· 温志远 李振科 冯华杰 72

切开复位克氏针弹性固定治疗骨性锤状指····· 宁涛 胡勇 阮晓军 等 75

人工真皮联合负压封闭引流技术修复糖尿病足跟部骨外露15例····· 邹利军 李炳辉 鲍琼林 等 77

“骨盆与髌骨骨折”专题征稿启事

封二

编委风采——徐永清

前插页

编委风采——王华松

封三

ORTHOPAEDIC BIOMECHANICS MATERIALS AND CLINICAL STUDY

Bimonthly Vol.16 No.4 (Total No.95) AUGUST.15, 2019

CN 42-1715/R ISSN 1672-5972

Contents in Brief

Responsible Institution:

Hubei Medical Products Administration

Sponsor:

Hubei Association for Medical Devices Industry

Adviser:

Cui Fuzai Hou Chunlin Hou Shuxun Lu Shibi
Pei Fuxing Qiu Guixing Wang Yan

Editor-in-chief:

Chen Anmin

Managing Associate Editor:

Li Feng

Associate Editor:

Cai Lin Gao Zhongli Kan Wusheng Luan Chenguang
Luo Zhuojing Shen Bin Xu Yongqing Zheng Qixin
Zhu Zhenan

Editing and Publishing:

Editorial Department of Orthopaedic

Biomechanics Materials and Clinical Study

Printing:

Wuhan Beth Printing Design Co.Ltd.

Domestic distributor:

Wuhan Post Office

Code No.:

38-114

Subscribe:

China local post office

Overseas distributor:

China National Publishing

Industry Trading Corporation

CSSN: CN42-1715/R ISSN 1672-5972

Adv. License: No.4201114002716

Adv. Industrial and Commercial, Wuhan, Hubei

Price:

¥19.8 for each issue

Address:

28 Shucheng Road, Wuhan Hubei, 430070, China

Telephone:

+86 027-88138800 +86 027-88138800Ext8290/8291

13871155570

E-mail:

swgkcl@163.com

Website:

www.swgkcl.com

Editorial Manager:

Zhang Jing

Editor:

Jiang Binbin Liu Hanqin

Bone Nonunion and Bone Defect

Treatment of femoral neck nonunion with quadratus femoris muscle pedicle bone grafting combined with iliac or femoral trochanter bone graft

..... Xu Yongqing, Fan Xinyu, He Xiaoqing, et al 1

Clinical experience with the bioceramic artificial bone substitute used for bone defect following curettage of benign bone tumors and tumor-like lesions in 32 adult patients

..... Pan Zhaohui, Zhao Yuxiang, Xue Shan, et al 5

The clinical curative effects of CaSO₄ mediated Masquelet technique vs. traditional Masquelet technique in the treatment of large bone defects after debridement in adult patients

..... Xu Jianping, Li Meixia, Zuo Yangbin, et al 10

Tibia skin flap based on the different types of blood vessels for treatment of bone nonunion in extremities

..... Liang Lei, Liu Yuehua, Zhou Mingwu, et al 14

Management of tibial infected nonunion using shortening-lengthening or bone transport: The application and effectivity

..... Sun Yi, Xu Jia, Liu Shenghe, et al 18

Clinical efficacy of 13 cases of nonunion of humeral shaft fracture treated by anterolateral approach of upper arm and double locking plate

..... Sheng Qizhi, Liu Ping, Ruan Feng, et al 23

Clinical observation of 27 cases of bone nonunion treated with extracorporeal shock wave

..... Zhang Haijie, Zhou Zhuo, Shao Liuying, et al 27

The application and effect of external fixation in treating atrophic nonunion on humeral shaft

..... HONG SUNG MIN, Xu Jia, Wang Chunyang, et al 30

The diagnosis and treatment recommendations of bone nonunion

..... Wu Hangtian, Zhao Xingqi, Hu Yanjun, et al 33

Current status of minimally invasive treatment for delayed union of bone and nonunion

..... Tu Yonggang, Ren Shaodong, Ma Bangxing, et al 37

Treatment of complex old fracture and nonunion of tibia shaft with reamed interlocking intramedullary nail and intramedullary bone grafting

..... Xu Jie, Zhang Zhibo, Guo Qinggang, et al 40

Bone transport combined with local calcium sulfate loaded with gentamicin for tibial infected nonunion: A case report

..... Zhao Xingqi, Jiang Nan, Lin Qingrong, et al 43

Experimental Research

Preparation and performance characterization of minimally invasive injectable biphasic bone cement and osteogenic properties combined with DBM

..... Zhang Tie, Zhu Chao, Ye Ying, et al 46

Porous and hydroxylated modification on the surface of PEEK and its effect on the adhesion and proliferation of MC3T3-E1 cells

..... Wu Jiuping, Piao Yingxin, Yu Haichi, et al 51

Clinical Research

Treatment of non-specific lumbar intervertebral infection by posterior lumbar approach with debridement, grafting fusion and internal fixation

..... Li Yong, Wu Wei, Wang Huan, et al 55

Preliminary study on treatment of distal tibiofibular fracture of AO/IO4-MT2-NV1 with internal fixation in situ skin grafting in one-stage

..... Kong Changgeng, Wu Duoqing, Guo Xiang, et al 59

Experience Exchange

Artificial femoral head replacement for unstable intertrochanteric fracture in elderly patients

..... Liu Yang, Peng Hao, Huang Guanyu, et al 63

Clinical value comparison of perforator pedicle propeller flap and sural neurocutaneous vascular flap in repairing soft tissue defects of ankle

..... Hoogi kilitu, Jiang Qiting 68

Application of pulsating pressure flushing combined with vacuum sealing drainage technology in open fractures

..... Wen Zhiyuan, Li Zhenke, Feng Huajie 72

Open reduction and Kirschner wire elastic fixation for the treatment of bony mallet fingers

..... Ning Tao, Hu Yong, Ruan Xiaojun, et al 75

Artificial dermis combined with vacuum sealing drainage to repair 15 cases of diabetic heel bone exposure

..... Zou Lijun, Li Binghui, Bao Qionglin, et al 77

