

# 目 次 CONTENTS

## 临床论著 Clinical Treatise

胸腰椎骨折三平面、二平面内固定临床疗效比较 .....	顾翔,赵乐,陈林,等(129)
Comparison of the clinical efficacy of three plane and two plane internal fixation in thoracolumbar fractures patients .....	GU Xiang, ZHAO Le, CHEN Lin, et al
胸腰椎结核前路术后复发的原因及再手术治疗 .....	桂钱欢,李波,余雨,等(133)
Anterior approach operation for thoracic and lumbar spinal tuberculosis: the cause of recurrence and revision .....	GUI Qian-huan, LI Bo, YU Yu, et al
微创经皮椎弓根置钉治疗无神经损伤胸腰椎骨折 .....	卫秀洋,陈勇忠,王金星,等(137)
Treatment of thoracolumbar fractures without neural injury by minimal-invasive percutaneous pedicle screw fixation .....	WEI Xiu-yang, CHEN Yong-zhong, WANG Jin-xing, et al
微创经椎间孔腰椎间融合术治疗腰椎退变性疾病 .....	高爱国,赵鹏,张钦,等(141)
Clinical outcome of minimally invasive transforaminal lumbar interbody fusion in the treatment of lumbar degenerative disease .....	GAO Ai-guo, ZHAO Peng, ZHANG Qin, et al
下颈椎损伤分类评分系统的临床应用 .....	朱焯,何登伟,陈剑,等(144)
Clinical application of the sub-axial cervical spine injury classification system .....	ZHU Ye, HE Deng-wei, CHEN Jian, et al
后路经伤椎单节段与双节段固定治疗胸腰段骨折疗效比较 .....	何翔,来津,邢顺民,等(147)
Efficacy comparison of treatment of thoracolumbar burst fractures with posterior monosegmental or bisegmental pedicle screw .....	HE Xiang, LAI Jin, XING Shun-min, et al
手术体位对高龄患者腰椎后路手术的影响 .....	黎裕明,王华,戴海,等(151)
The effect and clinical outcome of prone and lateral position on the posterior lumbar interbody fusion surgery in elderly patients .....	LI Yu-ming, WANG Hua, DAI Hai, et al
病灶清除植骨内固定治疗胸腰椎结核 .....	周三毛,郭卫春(155)
The effect of radical debridement with bone grafting and internal fixation for treatment of thoracic and lumbar tuberculosis .....	ZHOU San-mao, GUO Wei-chun
高黏度与低黏度骨水泥应用于经皮椎体后凸成形术的疗效比较 .....	笪晓伟,李启中,区杰雄(157)
Efficacy comparison of high viscosity and low viscosity bone cement in percutaneous kyphoplasty .....	DA Xiao-wei, LI Qi-zhong, OU Jie-xiong
微创单侧固定与开放双侧固定治疗单间隙腰椎管狭窄症的疗效比较 .....	陈志文,刘晖,丁真奇,等(160)
The effect comparison of the minimally invasive unilateral approach fixation and the open bilateral fixation for single gap lumbar spinal stenosis .....	CHEN Zhi-wen, LIU Hui, DING Zhen-qi, et al
腰椎间盘摘除加 cage 植骨融合内固定治疗腰椎间盘突出症 .....	张亚,冯虎,李健华,等(164)
Removal of lumbar disc with cage bone graft fusion and internal fixation for the treatment of lumbar disc herniation .....	ZHANG Ya, FENG Hu, LI Jian-hua, et al
单纯后路骶骨整块切除治疗 S <sub>2</sub> 水平原发恶性骶骨肿瘤 .....	林斌,赵忠胜,庄泽民,等(167)
Subtotal sacrectomy for treatment of primary malignant sacral tumors involving S <sub>2</sub> via posterior-only approach .....	LIN Bin, ZHAO Zhong-sheng, ZHUANG Ze-min, et al
棘突椎板回植联合椎弓根螺钉固定治疗椎管内肿瘤 .....	高俊,李志华(172)
Treatment of spinal canal tumors with replantation of lamina and spinous process combined with pedicle screw fixation technique .....	GAO Jun, LI Zhi-hua
髌骨合理设计在全膝关节置换中的临床效果 .....	鲁木,马子君,史然利,等(174)
Clinical effect of suitable patellar design in total knee arthroplasty .....	LU Mu, MA Zi-jun, SHI Ran-li, et al

全髋置换术中应用髌臼内壁环形截骨术治疗成人髌臼发育不良 .....	严 实, 廉永云, 逯代锋, 等(177)
Cementless acetabular component fixation with circumferential medial wall osteotomy in severely dysplastic acetabulum .....	YAN Shi, LIAN Yong-yun, LU Dai-feng, et al
单髁置换术治疗膝单间室骨性关节炎的近期疗效 .....	阮 渊, 王生介, 刘伟峰, 等(181)
Short-term curative effect of unicompartmental knee arthroplasty for single chamber knee osteoarthritis .....	RUAN Yuan, WANG Sheng-jie, LIU Wei-feng, et al
人工肱骨头置换治疗老年肱骨近端粉碎性骨折近期效果 .....	尚福亮, 张庆民, 陈 华, 等(185)
Short term effect of hemiarthroplasty in treatment of comminuted fracture of proximal humerus in the elderly .....	SHANG Fu-liang, ZHANG Qing-min, CHEN Hua, et al
逆行腓肠神经营养血管蒂带薄层肌肉岛状皮瓣修复胫骨慢性骨感染缺损创面 .....	章 松, 喻忠斌, 夏晓枫, 等(189)
Treatment of the wound of bone defect and exposure in chronic infection of tibia with the myofascial and cutaneous island flap pedicled with collateral vessel nourished by retrograde sural nerve .....	QIN Song, YU Zhong-bin, XIA Xiao-feng, et al
封闭负压引流结合掌背动脉穿支皮瓣、掌长肌腱移植修复手背复合组织缺损 .....	张 友, 周宏斌, 成 杰(193)
Vacuum sealing drainage combined dorsal metacarpal artery perforator flap and palmaris longus tendon transplantation to repair complex tissue defect of dorsum of hand .....	ZHANG You, ZHOU Hong-bin, CHENG Jie
改良 V-Y 推进皮瓣联合甲床扩大治疗指端缺损 .....	文 文, 余远举, 艾方兴, 等(197)
Repair of traumatic fingertip defect by advance V-Y skin flap and nail-bed lengthening .....	WEN Wen, SHE Yuan-ju, AI Fang-xing, et al
拇外翻截骨矫形绷带外固定的疗效 .....	高战整, 张 云, 赵思桥, 等(199)
Efficacy of the external bandage fixation for corrective osteotomy surgery of hallux valgus .....	GAO Zhan-ao, ZHANG Yun, ZHAO Si-qiao, et al
前路颈椎内固定术后负压引流与无负压引流的效果比较 .....	刘 伟, 薛 茵, 高德华(202)
The comparative study of effect between drainage with negative pressure and drainage without negative pressure after anterior cervical spine instrumentation .....	LIU Wei, XUE Yin, GAO De-hua
外侧小切口治疗儿童肱骨髁上 Gartland III 型骨折 .....	刘 笠, 柳玉兵, 任国文, 等(204)
The treatment of Gartland type III humeral supracondylar fractures in children through small lateral incision .....	LIU Li, LIU Yu-bing, REN Guo-wen, et al
改良 Stoppa 入路切开复位内固定治疗髌臼骨折 .....	杨照耀, 吴 涛(206)
Treatment of acetabular fracture with open reduction and internal fixation via modified Stoppa surgical approach .....	YANG Zhao-yao, WU Tao
关节镜下应用全内缝合法修复半月板撕裂 .....	徐 立, 梁 军, 葛洪醒, 等(208)
Treatment of meniscal laceration by using arthroscopic all-inside suturing technique .....	XU Li, LIANG Jun, GE Hong-xing, et al
撬拨复位结合 Ilizarov 技术治疗胫骨平台 Schatzker IV ~ VI 型骨折 .....	赵志明, 董桂贤, 于桂泳, 等(211)
Poking reduction combined with Ilizarov technique in the treatment of tibial plateau Schatzker type IV ~ VI fractures .....	ZHAO Zhi-ming, DONG Gui-xian, YU Gui-yong, et al
有限内固定联合外固定支架治疗 Schatzker V、VI 型胫骨平台骨折 .....	刘潮坚, 石昭宏, 蔡拉加(214)
Limited internal fixation combined with external fixator for treatment of Schatzker type V, VI tibial plateau fractures .....	LIU Chao-jian, SHI Zhao-hong, CAI La-jia
3 种方式固定锁骨中段斜行骨折的有限元分析 .....	朱昌荣, 章 莹, 肖 进, 等(217)
Finite element analysis of mid-shaft oblique clavicle fractures fixed with three different methods .....	ZHU Chang-rong, ZHANG Ying, XIAO Jin, et al
4 种内固定方法治疗锁骨中段骨折疗效比较 .....	项 炜, 陈 彦, 朱 力, 等(221)
Effect comparison of four kinds of internal fixation methods for treatment of mid-clavicular fracture .....	XIANG Wei, CHEN Yan, ZHU Li, et al

CT 在肩关节骨性 Bankart 损伤早期诊断中的应用 ..... 许金樱, 庄汝杰, 许向东, 等 (225)  
 The clinical application value of CT in early diagnosis of bony Bankart lesion  
 ..... *XU Jin-ying, ZHUNG Ru-jie, XU Xiang-dong, et al*  
 纽扣钢板与带袢钢板治疗肩锁关节脱位的疗效比较 ..... 王 进, 吴 刚, 江 亚, 等 (227)  
 Efficacy comparison of acromioclavicular joint dislocation treated by the improved Endobutton and the ordinary Endobutton  
 ..... *WANG Jin, WU Gang, JIANG Ya, et al*

**实验与临床 Experiment and Clinical Practice**

选择性骶骨切除对骨盆生物力学稳定性的影响 ..... 黄 智, 张胜军, 徐 昕 (232)  
 Effect on pelvic biomechanical stability of selective sacrectomy ..... *HUANG Zhi, ZHANG Sheng-jun, XU Xin*  
 经皮穿刺纤维环建立兔腰椎间盘退变模型 ..... 黄杰烽, 郑 杨, 夏臣杰, 等 (235)  
 Establishment of the intervertebral disc degeneration model of rabbits by using homemade puncture needles percutaneous  
 puncturing the annulus fibrosus at surface allocation ..... *HUANG Jie-feng, ZHENG Yang, XIA Chen-jie, et al*

**综 述 Review**

MCP-1-CCR2 抑制剂治疗人工关节无菌性松动的研究进展 ..... 顾后筠, 戴 闯, 张 斌 (240)  
 Advances in therapy of aseptic loosening via selective inhibition of the MCP-1-CCR2  
 ..... *GU Hou-yun, DAI Min, ZHANG Bin*  
 棘突间撑开器治疗腰椎退行性疾病的进展 ..... 张体栋, 陈 浩, 唐 海 (245)  
 The advance of interspinous spacer implantation for lumbar degenerative disease  
 ..... *ZHANG Ti-dong, CHEN Hao, TANG Hai*

**方法与应用 Methods and Applications**

后路椎体次全切钛笼钉棒固定治疗胸腰椎爆裂骨折并截瘫 ..... 王治君, 马天文, 张 宇, 等 (180)  
 Posterior corpectomy with titanium cage and pedicle screws fixation for thoracolumbar burst fracture with paraplegia  
 ..... *WANG Zhi-jun, MA Tian-wen, ZHANG Yu, et al*  
 手术治疗胫骨中下段骨折合并后踝骨折 ..... 宋锦旗, 邓雪峰, 王雪冰, 等 (192)  
 Surgical treatment on lower tibial fracture associated with posterior malleolus fracture  
 ..... *SONG Jin-qi, DENG Xue-feng, WANG Xue-bing, et al*  
 Herbert 螺钉治疗 Pipkin I、II 型股骨头骨折 ..... 陈明初 (196)  
 Herbert screw in the treatment of Pipkin type I, II fracture of femoral head ..... *CHEN Ming-chu*  
 切开复位 Herbert 螺钉内固定治疗股骨头骨折 ..... 曹 欣 (201)  
 Open reduction and internal fixation with Herbert screw for treatment of femoral head fracture ..... *CAO Xin*  
 前外侧切口治疗合并腓骨骨折的胫骨 Pilon 骨折 ..... 周广明, 田 哲 (210)  
 Anterior lateral incision for treatment of tibial Pilon fractures with fibula fractures ..... *ZHOU Guang-ming, TIAN Zhe*  
 不可吸收编织线环扎加 8 字缝合治疗髌骨粉碎性骨折 ..... 董文林 (216)  
 Therapy of comminuted patellar fracture with non-absorbable braided line ring and "8" suture ..... *DONG Wen-lin*  
 股骨近端锁定钢板联合植骨治疗老年股骨转子下粉碎骨折 ..... 酒 涛 (231)  
 Treatment of elderly femoral subtrochanteric comminuted fracture with proximal femoral locking plate and bone grafting  
 ..... *JIU Tao*  
 间断式 Arch 钢板固定在单开门颈椎管成形术中的应用 ..... 吴志伟, 李大刚, 杨 俊, 等 (249)  
 Application of interval Arch plate fixation in expansive open-door laminoplasty ..... *WU Zhi-wei, LI Da-gang, YANG Jun, et al*  
 手术治疗肩胛骨骨折 ..... 李金生, 谢学义 (250)  
 Surgical treatment for scapular fractures ..... *LI Jin-sheng, XIE Xue-yi*  
 V-Y 腱成形术联合 Krackow 缝合法治疗跟腱再断裂 ..... 王学磊, 康志秋 (251)  
 V-Y tendinous keratoplasty combined with Krackow suture technique for treatment of Achilles tendon rerupture  
 ..... *WANG Xue-lei, KANG Zhi-qiu*

非骨水泥型长柄假体治疗 Vancouver B2 型假体周围骨折

..... 胡 伟,许永涛,苏志辉,等(252)

Long-stem cementless prosthesis replacement for treatment of Vancouver type B2 peri-prosthetic fractures

..... HU Wei, XU Yong-tao, SU Zhi-hui, et al

内外侧双钢板治疗 Schatzker V、VI型胫骨平台骨折 ...宋国全,詹世安(253)

Double plates via medial and lateral approach for treatment of Schatzker type V, VI tibial plateau fractures ..... SONG Guo-quan, ZHAN Shi-an

人工髋关节置换结合克氏针固定治疗高龄骨质疏松性股骨转子间骨折 ..... 王 华,林博文,吕 猛,等(254)

Artificial hip replacement combined with Kirschner wire fixation for the treatment of osteoporotic intertrochanteric fractures in the elderly

..... WANG Hua, LIN Bo-wen, LÜ Meng, et al

三踝骨折手术治疗体会 ..... 王 玮,韩 巍(255)

Surgical operation for trimalleolar fracture ..... WANG Wei, HAN Wei

骨蜡封闭解决外固定钉干扰负压封闭引流密封问题

..... 薛 文,管晓鹏,王增平,等(256)

Bone wax closed external fixation nail to solve the sealing problem of the vacuum sealing drainage

..... XUE Wen, GUAN Xiao-peng, WANG Zeng-ping, et al

**病例报道 Case Report**

石骨症并双侧股骨上段骨折 1 例 ..... 魏厚泉,练克俭,林达生,等(184)

A case of osteopetrosis combined with bilateral proximal femoral fracture

..... WEI Hou-quan, LIAN Ke-jian, LIN Da-sheng, et al

**文 摘 Digest**

全膝置换术后膝前痛采用髌骨置换是否有效? ..... (143)

与髌关节前路线相关的股外侧皮神经解剖分析 ..... (150)

髌臼周围截骨术失败后全髌置换术疗效不佳 ..... (171)

全膝翻修术后可不必用闭式引流:一项前瞻性随机研究 ..... (224)

骨科多发伤患者常合并精神疾病并导致疗效不佳 ..... (248)

**投稿须知 Guide to Authors** ..... (封二)

[ 期刊基本参数 ] CN 34 - 1166/R \* 1998 \* b \* A4 \* 128 \* zh \* P \* ¥ 10.00 \* 5000 \* 51 \* 2016 - 04

责任编辑 **Executive Editor** 孙 勇 *SUN Yong*

英文编辑 **English Editor** 胡孔足 *HU Kong-zu*

# 临床骨科杂志 (双月刊)

(1998 年 7 月创刊)

*Journal of Clinical Orthopaedics* (Bimonthly)

(Founded in 1998 July)

2016 年 4 月 第 19 卷第 2 期

(2016 年 4 月 26 日出版)

April 2016; Volume 19, Number 2

(Publication date: April 26, 2016)

主管单位 安徽省教育厅

**Superintendence** Anhui Provincial Education Department

主办单位 安徽医科大学

安徽省医学会

**Sponsors** Anhui Medical University

Medical Association of Anhui Province

协办单位 成都军区昆明总医院

**Co-organizer:** Kunming General Hospital of Chengdu

Military Command

主编 戴冠戎 江 曙

**Chief Editors** DAI Ke-rong, JIANG Shu

编辑部主任 卜海富

**Director of Editorial Office** BU Hai-fu

编辑出版 《临床骨科杂志》编辑委员会

《临床骨科杂志》编辑部

**Editing and Publishing** Editorial Board and Editorial

Office of *Journal of Clinical Orthopaedics*

地址 合肥市梅山路安徽医科大学校内, 邮编 230032

**Address** Anhui Medical University, Meishan Road, Hefei, Zip Code 230032

**Tel** (0551)62923133

**Fax** (0551)63664966

**E-mail** lcgkzz@aliyun.com

《临床骨科杂志》西南编辑部

Southwest Editorial Office, *Journal of Clinical Orthopaedics*

地址 昆明大观路成都军区昆明总医院, 邮编 650032

**Address** Kunming General Hospital of Chengdu Military Command, Daguan Road, Kunming, Zip Code 650032

**Tel/Fax** (0871)64788281

**E-mail** gukezazhkm@126.com

印 刷 合肥现代印务有限公司

**Printing** Hefei Xiandai Printing Limited Company

国内订阅 全国各地邮局

**Domestic Subscription** Local Post Offices, China

国内总发行 安徽省邮政局

**Domestic Distribution** Post Office of Anhui Province, China

邮发代号 26 - 147

**Post Subscription Code** 26 - 147

**ISSN** 1008 - 0287 CN 34 - 1166/R

国内外公开发行 国内售价: 10.00 元

广告经营许可证 3400000000044 号