

中国骨伤[®]

ZHONGGUO GUSHANG

月刊 1987 年创刊 第 33 卷 第 2 期 2020 年 2 月 25 日出版

主 管

国家中医药管理局

主 办

中国中西医结合学会
中国中医科学院

编 辑

中国骨伤杂志编辑委员会
100700,北京市东直门内南小街甲 16 号
电话:(010)64089487
传真:(010)64089792
<http://www.zggszz.com>
E-mail:zggszz@sina.com

主 编 董福慧

执行主编 李为农

编辑部副主任 连智华

出 版

《中国骨伤》杂志社
100700,北京市东直门内南小街甲 16 号
电话:(010)64089489
传真:(010)64089792
E-mail:zggszz@sina.com

广告经营许可证

京东工商广登字 20180004 号

印 刷

北京汇林印务有限公司

发 行

国内:中国邮政集团公司
北京市报刊发行局
海外:中国国际图书贸易集团
有限公司
(北京 399 信箱,100044)
代号 M587

订 购

全国各地邮局
邮发代号 82-393

邮 购

《中国骨伤》杂志社
100700,北京市东直门内南小街甲 16 号

国 内 定 价

每期 40.00 元,全年 480.00 元

中国标准连续出版物号

ISSN 1003-0034
CN 11-2483/R

版权归《中国骨伤》杂志社所有

本刊刊出的所有文章不代表本刊编委会
的观点,除非特别声明

目 次

述评

- 脊柱畸形截骨矫形的问题与思考 97
邱勇

脊柱畸形

- 3D 打印技术辅助成人脊柱侧后凸畸形的术前规划及应用价值 99

- 蒋维利,牛国旗,周功,陈辉,刘涛,聂虎,刘路坦,李超,周乾坤
Halo-头盆环牵引联合Ⅱ期矫形治疗重度僵硬性脊柱侧弯 106

- 王增平,薛文,王中华,钱耀文,刘林
凸侧骨骺阻滞术对阻止半椎体所致脊柱侧凸的进展疗效分析 116

- 李叶天,徐磊磊,夏超,潘伟,盛飞,邱勇,朱泽章
老年骨质疏松性陈旧胸腰椎骨折伴后凸畸形后路截骨矫形的术式
选择 121

- 陈建良,许勇,万蕾,姚光校
后路截骨矫形对腰椎退行性后凸畸形患者脊柱骨盆矢状面参数的
影响 126

- 于亮,顾勇杰,赵刘军,张吉辉,蒋伟宇,马维虎,徐荣明
I 期三柱截骨矫形术治疗脊柱侧凸伴脊髓纵裂 131

- 王新浩,郑伟,陈建光,苗吉显,李凤春
超声骨刀在退变性脊柱后凸截骨中的应用 144

- 楼宇梁,全仁夫,李伟,韩雷

临 床 研 究

- 腰椎定量 CT 对骨质疏松性胸腰椎骨折行椎体成形术的指导意义 111

- 孙振国,杨红航,李恒,翁伟,闵继康
颈椎终板弧形高度与椎间隙后缘骨赘的相关性研究 136

- 陈加成,袁峰,许飞虎,陆炜强,邓斌,张弛
脊髓损伤术后深静脉血栓形成的相关因素分析 140

- 虞鑫,刘伟,张豪伟
前路病灶清除植骨融合内固定治疗下颈椎结核 149

- 孙庆鹏,肖娟,皮红林,何继文,吴群海

影响无骨折脱位型颈脊髓损伤手术疗效的多因素分析	158
李洪,蒋成	
I期后路病灶清除联合腰髂间固定植骨融合术治疗腰骶椎结核	166
刘飞,石仕元,郑琦,沈健,汪翼凡,曹天一	
腰椎间盘突出症患者腰骶部多裂肌脂肪变化的影像学研究	173
胡零三,赵烨,张承哲,张敏,詹红生,元唯安	

基础研究

一种新型病证相结合肝阳上亢证颈性眩晕大鼠模型的制备方法	178
姜炳辰,沈佳莹,莫文	

经验交流

颈后路双开门椎管扩大成形术联合C ₂ 穹隆式减压治疗颈椎管狭窄症	181
孙宜保,李毅力,杨勇	

病例报告

I期前后路手术治疗C ₇ 严重骨折脱位合并颈脊髓损伤1例	154
陈鉴权,陈茂水,张博,曾浩彬,麦烙祺,夏威夷,李浩	

综述

青少年特发性脊柱侧凸的治疗进展	184
龚磊,方亮,叶晓凌,范奕松,蒋瑛翘,童培建,肖鲁伟	
JAK2/STAT3信号通路在大脑缺血缺氧后小胶质细胞活化中的作用	190
曾杰,赵亚林,邓博文,李筱叶,徐杰,汪乐,穆晓红	

本刊稿约见本期封3

本期责任编辑:王宏

CHINA JOURNAL OF ORTHOPAEDICS AND TRAUMATOLOGY

Monthly Established in 1987 Volume 33, Number 2 February 25, 2020

Responsible Institution

State Administration of
Traditional Chinese Medicine

Sponsor

Chinese Association of Integrative
Medicine;
China Academy of Chinese Medical
Sciences
No.16 Nanxiaojie Dongzhimennei,
Beijing 100700, China

Editing

Editorial Board of China Journal of
Orthopaedics and Traumatology

Editor-in-Chief

DONG Fu-hui(董福慧)

Executive Editor

LI Wei-nong(李为农)

Assistant Director

LIA N Zhi-hua(连智华)

Publishing

Publishing House, China Journal of
Orthopaedics and Traumatology
No.16A Nanxiaojie Dongzhimennei,
Beijing 100700, China
Tel(Fax): 0086-10-64089792
E-mail: zggsszz@sina.com

Printing

Beijing Huilin Printing Co., Ltd

Overseas Distributor

China International Book Trading
Corporation
P.O.Box 399, Beijing, China
Code No.M587

Mail-order

Publishing House, China Journal of
Orthopaedics and Traumatology
No.16A Nanxiaojie Dongzhimennei,
Beijing 100700, China
Tel(Fax): 0086-10-64089792
E-mail: zggsszz@sina.com

CSSN

ISSN 1003-0034
CN 11-2483/R

Copyright © 2020 by the China Journal of
Orthopaedics and Traumatology Press

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

CONTENTS IN BRIEF

Forum of specialist

- Problems and considerations of spinal deformity osteotomy 97
QIU Yong

Spinal deformity

- 3D printing technology assisted the preoperative planning and application value
in adult kyphoscoliosis deformity* 99
JIANG Wei-li, NIU Guo-qi, ZHOU Gong, CHEN Hui, LIU Tao, NIE Hu,
LIU Lu-tan, LI Chao, ZHOU Qian-kun

- Halo pelvic traction combined with stage II surgical correction for the treatment
of severe and rigid scoliosis* 106
WANG Zeng-ping, XUE Wen, WANG Zhong-hua, QIAN Yao-wen, LIU Lin

- Ineffective treatment technique of convex epiphysiodesis for congenital scoliosis*
..... 116
LI Ye-tian, XU Lei-lei, XIA Chao, PAN Wei, SHENG Fei, QIU Yong, ZHU Ze-zhang

- Surgical choice of posterior osteotomy way for senile osteoporotic thoracolumbar
fracture with kyphosis* 121
CHEN Jiang-liang, XU Yong, WAN Lei, YAO Guan-xiao

- Effect of posterior osteotomy on the sagittal parameters of the spinopelvis in pa-
tients with lumbar degenerative kyphosis* 126
YU Liang, GU Yong-jie, ZHAO Liu-jun, ZHANG Ji-hui, JIANG Wei-yu,
MA Wei-hu, XU Rong-ming

- One-stage three-column osteotomy for the treatment of scoliosis with split spinal
cord malformation* 131
WANG Xin-hao, ZHENG Wei, CHEN Jian-guang, MIAO Ji-xian, LI Feng-chun

- Application of ultrasonic bone knife in osteotomy of degenerative kyphosis*
..... 144
LOU YU-liang, QUAN Ren-fu, LI Wei, HAN Lei

Clinical study

- Guiding significance of lumbar quantitative computed tomography in percu-
taneous vertebroplasty for osteoporotic vertebral compression fractures*
..... 111
SUN Zhen-guo, YANG Hong-hang, LI Heng, WENG Wei, MIN Ji-kang

- Study on the correlation between the arc height of cervical endplate and osteo-
phyte in posterior margin of intervertebral space* 136
CHEN Jia-cheng, YUAN Feng, XU Fei-hu, LU Wei-qiang, DENG Bin, ZHANG Chi

- Analysis of related factors of deep venous thrombosis after spinal cord injury* 140
YU Xin, LIU Wei, ZHANG Hao-wei

- Debridement and bone grafting with internal fixation via anterior approach for
the treatment of tuberculosis of lower cervical vertebrae* 149
SUN Qing-peng, XIAO Juan, PI Hong-lin, HE Ji-wen, WU Qun-hai

Multivariate analysis of the operative effect on cervical spinal cord injury without fracture or dislocation*	158
LI Hong, JIANG Cheng	
One-stage posterior debridement combined with lumbar-ilium fixation and bone graft fusion for the treatment of lumbosacral tuberculosis*	166
LIU Fei, SHI Shi-yuan, ZHENG Qi, SHEN Jian, WANG Yi-fan, CAO Tian-yi	
Imaging study of lumbosacral multifidus muscle fat changes in patients with lumbar disc herniation*	173
HU Ling-san, ZHAO Ye, ZHANG Cheng-zhe, ZHANG Min, ZHAN Hong-sheng, YUAN Wei-an	

Experimental research

A method to create a new rat model of combination of disease and syndrome with cervical vertigo hyperactivity of liver-yang syndrome*	178
JIANG Bing-Chen, SHEN Jia-Ying, MO Wen	

Empirical communication

Double-door laminoplasty combined with C2 dome decompression for the treatment of cervical spinal stenosis*	181
SUN Yi-bao, LI Yi-li, YANG Yong	

Case report

Treatment of C7 severe fracture and dislocation combined with cervical spinal cord injury by one-stage reduction and internal fixation with anterior-posterior approaches:a case report	154
CHEN Jian-quan, CHEN Mao-shui, ZHANG Bo, CENG Hao-bin, MAI Luo-qi, XIA Wei-yi, LI Hao	

Reviews

Progress on the treatment of adolescent idiopathic scoliosis*	184
GONG Lei, FANG Liang, YE Xiao-ling, FAN Yi-song, JIANG Ying-qiao, TONG Peijian, XIAO Lu-wei	
Role of JAK2/STAT3 signaling pathway in microglia activation after hypoxic-ischemic brain damage*	190
ZENG Jie, ZHAO Ya-lin, DENG Bo-wen, LI Xiao-ye, XU Jie, WANG Le, MU Xiao-hong	

*With English abstract