

ISSN 1004-406X
CN 11-3027/R

中国脊柱脊髓杂志

2012年6月 第22卷 第6期 (总第183期)

CHINESE
JOURNAL of
SPINE and
SPINAL CORD

Volume 22 Number 6

中国科学引文数据库 (CSCD) 来源期刊
中国科技核心期刊



全国邮局订阅
邮发代号: 82-457

ISSN 1004-406-X

06 >



9 771004 406006

万方数据

中华人民共和国卫生部
中国康复医学会

中国脊柱脊髓杂志



Zhongguo Jizhu Jisui Zazhi

月刊 1991年10月创刊 第22卷 第6期 2012年6月10日出版 (总第183期)

主管

中华人民共和国卫生部

主办

中国康复医学会
中日友好医院

编辑

《中国脊柱脊髓杂志》编委会
100029 北京市朝阳区樱花园东街
中日友好医院内
电话:(010)64284923, 84205233
传真:(010)64284923
E-mail: cspine@263.net.cn
http://www.cspine.org.cn

主编

张光铂 侯树勋

编辑部主任

李中实

出版

《中国脊柱脊髓杂志》杂志社

印刷

北京画中画印刷有限公司

发行

国内:北京市报刊发行局
国外:中国国际图书贸易总公司
100044 北京车公庄西路35号
杂志国外代号 BM6688

订购

全国各地邮局 邮发代号 82-457

邮购

《中国脊柱脊髓杂志》发行部
100029 北京市朝阳区樱花园东街
中日友好医院内
电话/传真:(010)84205510

广告经营许可证

京朝工商广字 0148号

国内定价

每期16元,全年192元

刊号

ISSN 1004-406X
CN 11-3027/R

本期执行主编 袁文

本期责任编辑 李伟霞

目次

专家论坛

对颈椎融合与非融合手术的再认识

袁文(481)

专题讨论

对颈椎融合与非融合手术选择的审视

颈椎人工椎间盘置换术对相邻节段继发性退变的影响

孙宇(483)

从临床效果来审视颈椎融合术与非融合术

田伟(483)

重视颈椎融合术操作细节,合理开展颈椎非融合技术

姜建元(485)

融合术仍是目前治疗颈椎退变性疾患的主要选择

朱庆三,尹飞(487)

对颈椎非融合手术的展望

马迅(487)

临床论著

经口咽前路寰椎侧块置钉固定治疗合并寰枕融合畸形

颅底凹陷症的临床疗效

王建华,夏虹,尹庆水,等(489)

Chiari 畸形 I 型患者小脑扁桃体下疝程度及脊髓空洞形态

与后颅窝容积的相关性

闫焯,朱泽章,吴涛,等(495)

对颅骨牵引结合后路枕颈融合术治疗枕颈部畸形所致

寰枢椎脱位的疗效评价

张宏其,胡希恒,刘金洋,等(500)

前后路联合手术治疗齿状突骨折畸形愈合伴难复性寰枢椎脱位

许正伟,郝定均,贺宝荣,等(505)

寰椎椎弓根螺钉术中复位固定融合术治疗陈旧性齿状突骨折并寰椎椎脱位
.....杨 军,倪 斌,谢 宁,等(510)

数字骨科技术在儿童上颈椎手术中的应用
.....王建华,夏 虹,吴增晖,等(516)

以枢椎椎弓峡部内上壁为解剖标志行枢椎椎弓根置钉的 CT 测量及临床应用
.....张金明,豆 贵,刘晓岚,等(521)

不稳定性 Hangman 骨折手术入路选择
.....王 清,王 松,钟德君,等(526)

颈前路非融合与融合技术联合应用治疗颈椎病
.....毛宁方,赵颖川,倪海健,等(531)

颈前路减压零切迹椎间植骨融合内固定系统治疗颈椎病的早期疗效分析
.....缪锦浩,匡 勇,陈德玉,等(536)

脊髓型颈椎病脊髓受压征象的 MRI 分级及其临床意义
.....柳万国,孙 莉,唐成林,等(541)

脊柱虚拟手术系统辅助下颈椎椎弓根置钉的临床评估
.....曹 珺,蒋振营,何 飞,等(548)

低骨密度对 Lenke I 型青少年特发性脊柱侧凸患者手术疗效的影响
.....林小龙,邱 勇,刘 臻,等(554)

基础研究

强直性脊柱炎患者骨髓间充质干细胞的生物学及免疫学特性
.....刘 鸽,任明亮,王潇婷,等(559)

综述

寰椎椎弓根螺钉置入技术的研究进展
.....王文军,李学林(566)

膈神经起搏在高位颈髓损伤患者中的应用进展
.....李郭茜,洪 毅(569)

经蛛网膜下腔细胞移植治疗脊髓损伤的研究进展
.....刘 彦,侯树勋(572)

读者·作者·编者

核心期刊的产生及其作用.....刘 彦(535)

Chinese Journal of Spine and Spinal Cord

Monthly Established in October, 1991 Volume 22, Number 6 June, 10, 2012

Responsible Institution

Ministry of Health, P.R.C

Sponsor

Chinese Association of Rehabilitation
Medicine
China-Japan Friendship Hospital

Editing

Editorial Board of Chinese Journal of
Spine and Spinal Cord
Address: China-Japan Friendship Hospi-
tal, Yinghuayuan East Street, Beijing,
China, 100029
Tel: (010)64284923, 84205233
Fax: (010)64284923
E-mail: spine@263.net.cn
http://www.cspine.org.cn

Editor-in-chief

ZHANG Guangbo(张光铂)
HOU Shuxun(侯树勋)

Managing Director

Li Zhongshi(李中实)

Publishing

Chinese Journal of Spine and Spinal
Cord Publisher

Printing

Beijing Picture in Picture Printing
Co.ltd

Overseas Distributor

China International Book Trading Cor-
poration(P.O Box 399, Beijing, China)
Code No. BM6688

Mall Order

Editorial Department of Chinese Journal
of Spine and Spinal Cord
Address: China-Japan Friendship Hospi-
tal, Yinghuayuan East Street, Beijing,
China, 100029

CSSN

ISSN 1004-406X
CN 11-3027/R

CONTENTS IN BRIEF

Editorial

Reconsideration of fusion and nonfusion approaches
in cervical spine surgery.....(481)
YUAN Wen

Selection of fusion or nonfusion surgery in cervical spine.....(483)
The effect of cervical disc replacement on the adjacent segment
secondary degeneration.....(483)
SUN Yu

Clinical outcome of fusion vs nonfusion approaches
for cervical spine surgery.....(483)
TIAN Wei

Emphasis on surgical details of cervical spine fusion technique,
and reasonable performance of nonfusion surgical techniques.....(485)
JIAN Jianyuan

ACDF remains the main surgical option of
cervical degenerative disease.....(487)
ZHU Qingsan, YIN Fei

Prospects for artificial disc replacement.....(487)
MA Xun

Original articles

Atlas lateral mass screw placement by transoral approach for basilar
invagination complicated with occipital-atlas fusion.....(489)
WANG Jianhua, XIA Hong, YIN Qingshui, et al

Correlation between posterior fossa volume and the severity of cerebellar
tonsillar descent/MR imaging of syringomyelia in patients with Chiari
malformation.....(495)
YAN Huang, ZHU Zexiang, WU Tao, et al

Clinical outcomes of skull traction and posterior occipitocervical fusion for
craniovertebral anomalies combined with atlantoaxial dislocation.....(500)
ZHANG Hongyi, HU Xiheng, LIU Jinyang, et al

Anterior and posterior approach surgical treatment for irreducible atlantoaxial dislocation associated with odontoid malunion.....	(505)
<i>XU Zhengwei, HAO Dingjun, HE Baorong, et al</i>	
Surgical treatment with atlantoaxial pedicle screws for reduction of atlantoaxial dislocation caused by old odontoid fracture.....	(510)
<i>YANG Jun, NI Bin, XIE Ning, et al</i>	
Application of digital orthopaedic technique in pediatric upper cervical operation.....	(516)
<i>WANG Jianhua, XIA Hong, WU Zenghui, et al</i>	
The CT scanning and clinical application of axis pedicle screw placement guided by the morphology of C2 interarticularis.....	(521)
<i>ZHANG Jinming, DOU Ben, LIU Xiaolan, et al</i>	
Option of anterior or posterior approach for unstable Hangman fracture.....	(526)
<i>WANG Qing, WANG Song, ZHONG Dejun, et al</i>	
Anterior combination of non-fusion and fusion approach for cervical spondylosis.....	(531)
<i>MAO Ningfang, ZHAO Yingchuan, NI Haijian, et al</i>	
Early outcome of anterior cervical discectomy and fusion using a Zero-profile interbody fusion and fixation device for cervical spondylosis.....	(536)
<i>MIAO Jinhao, KUANG Yong, CHEN Deyu, et al</i>	
The magnetic resonance imaging grading of spinal cord compression in cervical spondylotic myelopathy and its clinical significance.....	(541)
<i>LIU Wanguo, SUN Li, TANG Chenglin, et al</i>	
Clinical estimate on pedicle screw placement in lower cervical spine assisted by spinal virtual surgery system.....	(548)
<i>CAO Jun, JIANG Zhenying, HE Fei, et al</i>	
The influence of lower bone mineral density on surgical outcomes in Lenke I type adolescent idiopathic scoliosis.....	(554)
<i>LIN Xiaolong, QIU Yong, LIU Zhen, et al</i>	

Basic research

Biological characteristics and immunologic properties of bone marrow-derived mesenchymal stem cells in ankylosing spondylitis.....	(559)
<i>LIU Hu, REN Mingliang, WANG Xiaoping, et al</i>	

Review articles

Advance of atlas pedicle screws instrumentation.....	(566)
<i>WANG Wenjun, LI Xuelin</i>	
Advance of phrenic nerve pacing on high level spinal cord injury.....	(569)
<i>LI Guoqian, HONG Yi</i>	
A review of cell transplantation in subarachnoid for spinal cord injury.....	(572)
<i>LIU Yan, HOU Shuxun</i>	