



汤雪明*, 刘锦波, 丁惠珍, 陈伟, 徐南伟. SKy骨扩张器椎体后凸成形术治疗骨质疏松性脊柱压缩骨折[J]. 第二军医大学学报, 2007, 28(12):1361-1364

SKy骨扩张器椎体后凸成形术治疗骨质疏松性脊柱压缩骨折 [点此下载全文](#)

[汤雪明*](#) [刘锦波](#) [丁惠珍](#) [陈伟](#) [徐南伟](#)

南京医科大学附属常州第二人民医院骨科, 常州 213003

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摘要:

目的: 探讨一种新的SKy骨扩张系统用于椎体后凸成形术中治疗骨质疏松性椎体压缩骨折的临床效果。方法: 对22例共32个椎体压缩骨折患者(62~90岁), 应用新型器械SKy骨扩张器系统进行经皮穿刺、塌陷椎体扩张后注入骨水泥。随访观察患者疼痛视觉模拟评分(visual analogue scale, VAS)及并发症情况。结果: 32个椎体经单侧或双侧椎弓根穿刺成功完成手术, 手术时间30~120 min, 骨水泥注入量每个椎体(4.8±1.1) ml(3.0~6.8 ml), 骨水泥沿针道反流1个椎体, 反流入椎旁静脉1个椎体, 均无临床症状, 无椎管内漏及椎间隙漏, 无其他并发症。所有患者疼痛缓解, VAS术前平均为(7.6±0.8)分, 术后第1天平均为(3.5±0.5)分, 第7天平均(2.8±0.6)分, 术后1个月平均(2.4±0.6)分; 随访12~26个月, 症状均显著改善且无反复。22个椎体高度明显增加。结论: SKy骨扩张器椎体后凸成形术能达到消除疼痛、恢复椎体高度的目的, 是治疗老年性骨质疏松性压缩骨折的有效方法。

关键词: [经皮椎体后凸成形术](#) [SKy骨扩张器](#) [骨质疏松](#) [脊柱压缩骨折](#)

Application of SKy bone expander system in percutaneous kyphoplasty for treatment of osteoporotic vertebral compression fracture [Download Fulltext](#)

[TANG Xue-ming*](#) [LIU Jin-bo](#) [DING Hui-zhen](#) [CHEN Wei](#) [XU Nan-wei](#)

Department of Orthopaedics, the Second People's Hospital of Changzhou, Nanjing Medical University, Changzhou 213003, China

Fund Project:

Abstract:

Objective: To evaluate the clinical efficacy of SKy bone expander system in percutaneous kyphoplasty for treatment of osteoporotic vertebral compression fracture. Methods: Twenty-two patients (aged 62-90 years, 32 vertebrae) underwent percutaneous kyphoplasty using SKy bone expander system. The bone cement was injected into the collapsed vertebrae. The visual analogue scale (VAS) and complications were recorded during follow up. Results: The operations were successful in all patients via unilateral or bilateral approach. The operation time ranged from 30 to 120 min. The mean volume of cement injected into each vertebra body was (4.8±1.1) ml, ranged from 3.1 to 6.8 ml. Extravertebral leakage of bone cement was observed in two vertebrae with no symptoms. All patients had their pain relieved; the VAS was 7.6±0.8 before operation, 3.5±0.5 one day after operation, 2.8±0.6 one week after operation, and 2.4±0.6 one month after operation, with significant difference found between preoperation and postoperation (P<0.05). The symptoms of the patients were improved during a follow up of 12-26 months without recurrence. Conclusion: Application of SKy bone expander system in percutaneous kyphoplasty can relieve pain and restore the vertebrae height; it may be an effective treatment for aged patients with osteoporotic vertebral compression fracture.

Keywords: [percutaneous kyphoplasty](#) [spinal kyphoplasty](#) [bone expander system](#) [osteoporosis](#) [osteoporotic vertebral compression fracture](#)

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