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## 球囊后凸椎体成形术对椎体转移癌患者疼痛缓解和功能恢复的作用

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### The Efficacy of Pain Relief and Function Restoration of Percutaneous Balloon Kyphoplasty for Vertebral Metastases

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摘要

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**摘要** 目的: 观察经皮球囊后凸椎体成形术 (PKP) 在缓解椎体转移癌患者疼痛和功能恢复中的临床价值。方法: 28例椎体转移癌患者接受了PKP 治疗。记录并比较患者手术前后止痛药物应用比例、疼痛程度、止痛药用量和活动能力。结果: 45个椎体的PKP 手术均1次成功。术后1周13例 (46.4%) 患者疼痛完全缓解, 13例 (46.4%) 明显缓解。术后止痛药物应用比例、疼痛评分、活动能力评分较术前明显改善 (P<0.01)。结论: PKP 能快速缓解椎体转移癌引起的疼痛, 增强病椎强度和稳定性, 预防病椎进一步压缩骨折, 具有简单、安全、有效等优点。

**关键词:** 经皮球囊椎体后凸成形术 脊柱转移癌 疼痛

**Abstract.** Objective: To investigate the efficacy of pain relief and function restoration of Percutaneous Balloon kyphoplasty (PKP) for vertebral metastases. Methods: This is an open-labeled prospective study. A total of 28 patients with vertebral metastases were treated with PKP. Pain intensity, dose of analgesics, activity ability of vertebra before and after the operations were recorded and evaluated. Results: PKP was conducted in 45 vertebrae successfully. At one week after operation, 13 patients (46.4%) had pain relief completely and 13 (46.4%) patients gained pain relief significantly. Analgesics dose, pain intensity, and activity ability of vertebra were significantly improved after the operation (P<0.01). Conclusion: PKP is a safe and effective measure to treat metastatic spinal tumor. It

can release vertebral metastasis-related pain and enhance strength and stability of the abnormal vertebra.

**Key words:** Percutaneous kyphoplasty Vertebral metastatic tumor Pain

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