

Clinical Image

Solitary Bone Plasmacytoma of Spine

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A 54-year-old male presented a chronic intense back pain that progressed to paraplegia and urinary disorders. His lateral spinal x-ray showed osteolytic destruction of T1 and T2 vertebrae with intervertebral space stenosis. MRI detected a single malignant osteolytic process of the spine involving T1 and T2 with a pathologic fracture leading to segmental kyphosis. Epidural soft tissue mass with typical curtain sign was causing spinal cord compression Figure 1.

The patient underwent emergency surgery, undergoing posterior laminectomy and stabilization of the dorsal spine combined with bone biopsy. Histology revealed a vertebral plasmacytoma.

Solitary bone plasmacytoma is a rare tumor, representing 7% of myelomas. It's considered to be a solitary form of multiple myeloma [1]. It's an malignant disease, which is defined by the presence of a single osteolytic lesion due to monoclonal plasma cell infiltration [2]. Most of patients are treated with radiotherapy, while others require surgery.



Figure 1: A and B : Sagittal magnetic resonance imaging reveals an epidural mass involving T1 and T2 vertebral body causing spinal cord compression and pathologic fracture leading to segmental kyphosis.

Disclosure of Interest

The authors declare that they have no conflicts of interest concerning this article.

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