Paraespinal Leiomyosarcoma with Abdominal Extension

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Clinical Image

A 70-year-old Caucasian woman operated 37 years ago of a spinal neurinoma at the cauda equine with a good recovery consults by four month history of right hemiabdomen lump, slimming and lumbar pain. On examination an extensive mass in right hypochondrium was palpable and a 4/5 right quadriceps paresis as unique neurologic manifestation.

Body TAC showed a tumor in right hemiabdomen displacing liver (Figure 1) right kidney, small intestine, vena Cava with destruction of vertebral body (Figure 2). MRI Sagittal (Figure 3) and axial (Figure 4) T1 Weighted images showed a tumor infiltration in L2 and L3 vertebral body with spinal canal invasion and paraspinal extension.

The histological study of a sample from biopsy obtained by puncture showed a mesenchymal tumoral proliferation with atypical mitosis. Immunohistochemical findings for specific muscle actin were positive and Ki 67 index was 50% to 60% with diagnosis of Leiomyosarcoma.
Figure 3: MRI Sagittal T1 Weighted image showed a tumor infiltration in L2 and L3 vertebral body with spinal canal invasion and paraspinal extension.

Figure 4: MRI axial T1 Weighted image showed a tumor infiltration in L2 and L3 vertebral body with spinal canal invasion and paraspinal extension.