Summary

$^{99m}$Tc-HMDP Accumulation in Soft Tissue Tumor

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Accumulation with bone scintigraphy using technetium-$^{99m}$ hydroxymethylene diphosphonate ($^{99m}$Tc-HMDP) in 68 cases with radiographically or pathologically verified soft tissue tumor was examined. Radiographical or histopathologic diagnoses of the 68 cases included: 14 lipomas, 11 liposarcomas, 11 neurinomas or neurofibromas, 6 malignant lymphomas, 5 malignant fibrous histiocytomas, 5 hemangioma, rhabdomyosarcomas, 2 Langerhans cell histiocytes, 2 desmoid tumors and one each of neuroblastoma, hemangiopericytoma, angiomyxoma, plasmacytoma, liomyosarcoma, lymphangioma, fibrosarcoma, elastofibroma, synovial sarcoma, and ganglion. Thirty-seven (54%) showed positive accumulation and 31 were negative. One half of soft tissue tumors can be accumulated by $^{99m}$Tc-HMDP.

Key words: $^{99m}$Tc-HMDP, Bone scintigraphy, Soft tissue tumor.