

Summary

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

Mitsuhiro MOMOSE

Department of Radiology, Shinshu University School of Medicine

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 histiocytoses,

2 desmoid tumors and one each of neuroblastoma, hemangiopericytoma, angiomyxoma, plasmacytoma, leiomyosarcoma, 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.