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ABSTRACTS

MR Imaging in Preference to Bone Scintigraphy in Myxoid Liposarcoma

J Noble, K Gardner, M Scurr, I Judson
Sarcoma Unit, Royal Marsden Hospital,

Contact: Jill Noble

Bone metastases are rare in myxoid liposarcoma. In our series of 184 cases, only 8 have documented metastatic dissemination to bone several years after primary resection. Of those 8 patients, one had bone metastases diagnosed on CT scan and seven were confirmed on MRI. In the seven cases diagnosed on MRI, bone scans were negative in four cases, not available in two cases and positive in only one case. In one patient, PET scanning was performed and revealed only low grade uptake. In two cases, the MRI scan showed diffuse bone marrow involvement with no evidence of lytic lesions on plain X-rays and no bony disease seen on CT.

Bone metastases in myxoid liposarcoma which are positive on MRI but negative on bone scan have previously been documented in the literature. Three patients in two separate case reports were found to have developed bone metastases only confirmed on MRI and negative on both bone scan and plain x-rays. In view of this phenomenon we would recommend MRI scanning in preference to bone scanning in cases where bone metastases are suspected in myxoid liposarcoma.