SCINTIGRAPHIC APPEARANCE OF EXTENSIVE OSSEOUS AND SOFT TISSUE METASTASES FROM OSTEOCOGENIC SARCOMA

D.F. Worsley¹, C.K. Kim² and J.B. Alavi²

Department of Nuclear Medicine, Department of Radiology¹ and Division of Hematology and Oncology, Department of Medicine², University of Pennsylvania Medical Center

INTERESTING CASE

We present a case of a 36-year-old man with biopsy proven high grade osteogenic sarcoma involving the left proximal femur. He was treated preoperatively with four cycles of chemotherapy. A TC-99m methylene diphosphonate (MDP) bone scan and computed tomography of the chest performed prior to surgery demonstrated no evidence of distant metastases and the patient subsequently underwent an uncomplicated left hemipelvectomy. He subsequently developed multiple subcutaneous, pulmonary and meningeal metastases. A repeat TC-99m MDP bone scan performed one year following surgery and one week prior to his death, demonstrated numerous osseous and non-osseous metastases distributed the entire body. To our knowledge this case demonstrated the most extensive involvement, both in number and distribution of lesions, of metastatic osteocenic sarcoma which has been imaged scintigraphically.
REFERENCES