

عنوان مقاله:

Utility of 99mTc-Sestamibi SPECT/CT in the Early Localization of Metastatic Parathyroid Carcinoma

محل انتشار:

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خلاصه مقاله:

Parathyroid carcinoma is very rare, with only a few documented cases. Hence, metastatic lesions are infrequently documented on scintigraphic imaging. We present a case of a 63-year-old female presenting with elevated serum levels of ionized calcium and parathyroid hormone (PTH) who was referred to our department for a parathyroid scan with SPECT/ CT. Parathyroid scintigraphy showed a focus of increased 99mTc-sestamibi uptake corresponding to a solid mass with calcification in the inferior pole of the right thyroid lobe; tracer retention was noted on delayed images. Incidentally, focal uptake was also seen in a soft tissue mass on the 7th right rib. The patient soon underwent total thyroidectomy, with biopsy revealing parathyroid carcinoma on the right lobe. A bone scan done 7 months after surgery confirmed the presence of metastatic bone disease. The concomitant detection of intrathyroidal and extrathyroidal sestamibiavid masses on parathyroid scintigraphy should increase clinical suspicion of a metastatic .process from parathyroid carcinoma

کلمات کلیدی:

Parathyroid carcinoma, SPECT/CT, 99mTc-sestamibi

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