Accumulation of thallium-201 in medullary thyroid cancer with negative serum calcitonin and carcinoembryonic antigens: A case report

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Thallium-201 (201Tl) scintigraphy has been used in the evaluation of thyroid neoplasm. Even though several authors have shown the usefulness of 201Tl scintigraphy in evaluating recurrent tumor of medullary thyroid cancer, the number of reports on primary thyroid cancer is limited. We presented a case of medullary thyroid cancer which showed 201Tl uptake in both early and delayed scans. This case had normal serum levels of calcitonin and carcinoembryonic antigen.

Key words: thallium-201 scan, medullary thyroid cancer