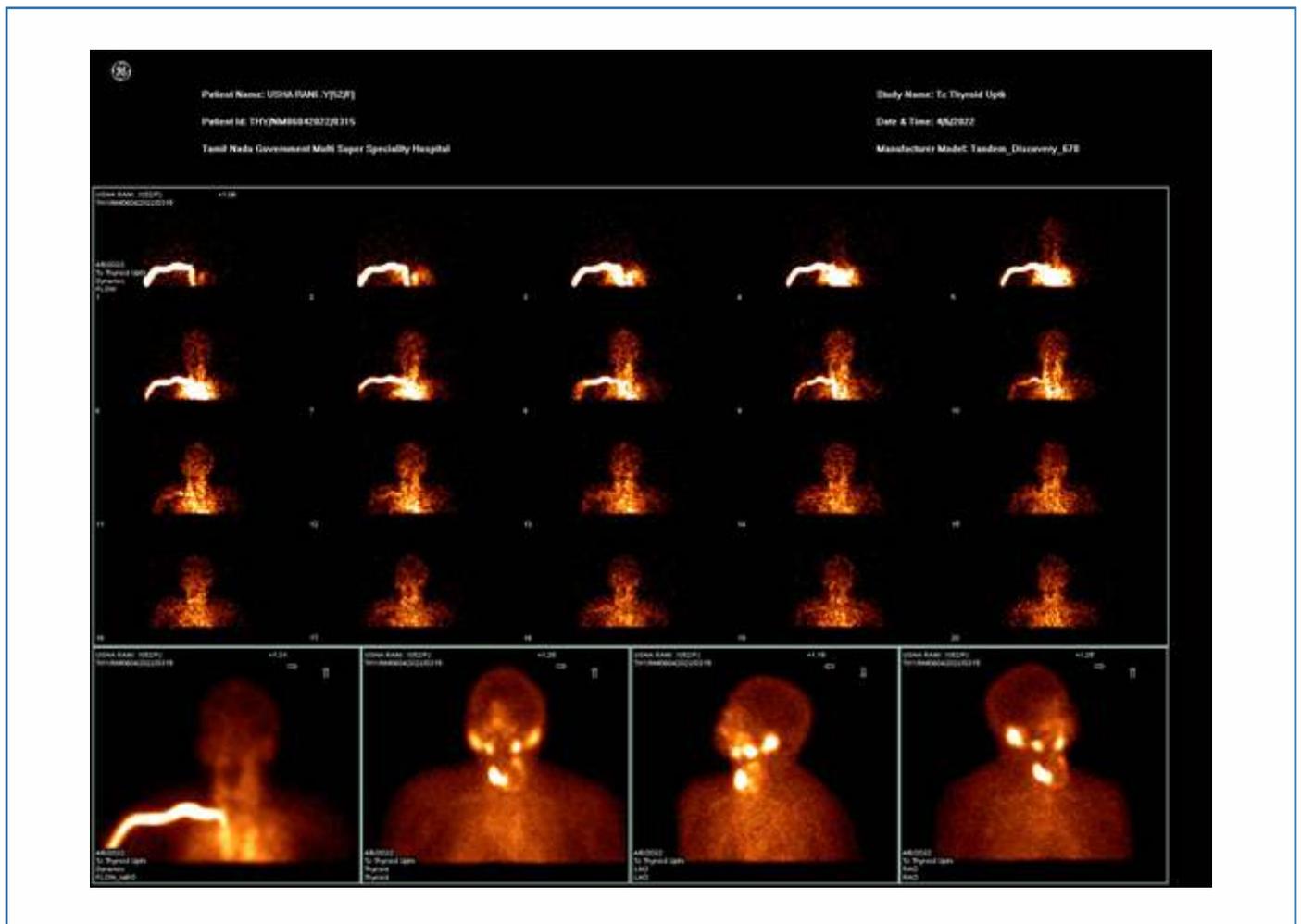


Nuclear Medicine

Thyroid Malignancy in $^{99m}\text{TcO}_4$ (Radioactive Technetium Pertechnetate Scan)

52 years old female discovered that she has a Thyroid swelling when she went to buy a necklace. Her physician advised her to undergo a Radioactive Technetium Thyroid Scan.



$^{99m}\text{TcO}_4$ (tracer) Thyroid Scan enables to identify the functional status of the Thyroid Nodules. The clinically prominent Left lobe nodule of her Thyroid gland was found to have increased perfusion in Early Flow Images acquired immediately after tracer injection. Delayed images demonstrated that there is no trapping function in the nodule. Biopsy from the cold nodule revealed Papillary Carcinoma Thyroid (Classical Type) with capsular invasion.

Dr. E. Prabhu