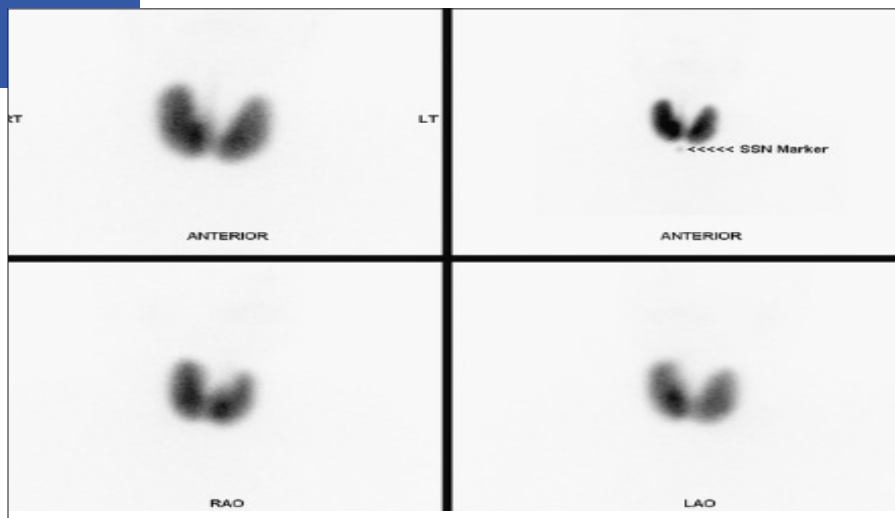




Understanding 99mTc-Thyroid Scan

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What is a 99mTc-Thyroid Scan?

A 99mTc-Thyroid Scan is a specific type of nuclear medicine procedure to evaluate the thyroid gland and its activity. A small, suitable dose (amount) of technetium-99m (99mTc) is given and taken up by the thyroid tissue. A gamma camera takes images to determine the size, shape, location, and pattern of tracer uptake by the thyroid.

Why is it Performed?

This scan is performed for thyroid nodules, abnormal thyroid function, thyroid enlargement, or if the thyroid is underactive. This scan assists the physician in understanding how well the thyroid is working and in which areas to focus further evaluation.

Preparation

- Inform the medical team if you are pregnant or breastfeeding.
- Share details of current medicines, especially thyroid medicines.
- Inform the team about recent iodine-containing medicines or contrast studies.
- Carry previous thyroid function tests and imaging reports.
- Follow specific preparation instructions provided by your doctor.

Procedure

During this scan, a small amount of 99mTc tracer is given as an injection. Time is given for the tracer, and then images are acquired from the appropriate views using a gamma camera. During imaging, the patient stays still, and the time of scan depends on the protocols and patient needs.

Important Instructions

- Inform staff about recent contrast examinations or relevant medicines.
- Follow all instructions provided by the nuclear medicine team.
- Remain still and relaxed during image acquisition.
- Inform staff if you feel uncomfortable.
- Take medicines only as instructed.
- Maintain hydration as advised.

Safety Precautions

Radioactive tracer is administered in the proper dosage and under the proper medical supervision. At Molecular Diagnostics and Therapy, safety measures are observed in accordance with the specific needs of individuals. Inform the medical staff about pregnancy, breastfeeding, allergies, and other medical conditions.

When to Seek Medical Attention?

Inform the medical professional if the patient has sudden, unusual, or persistent symptoms after the examination, and follow all the post-scan care recommendations by the medical staff. At Molecular Diagnostics and Therapy, this examination is carried out with proper nuclear medicine procedures, with patient safety and comfort.