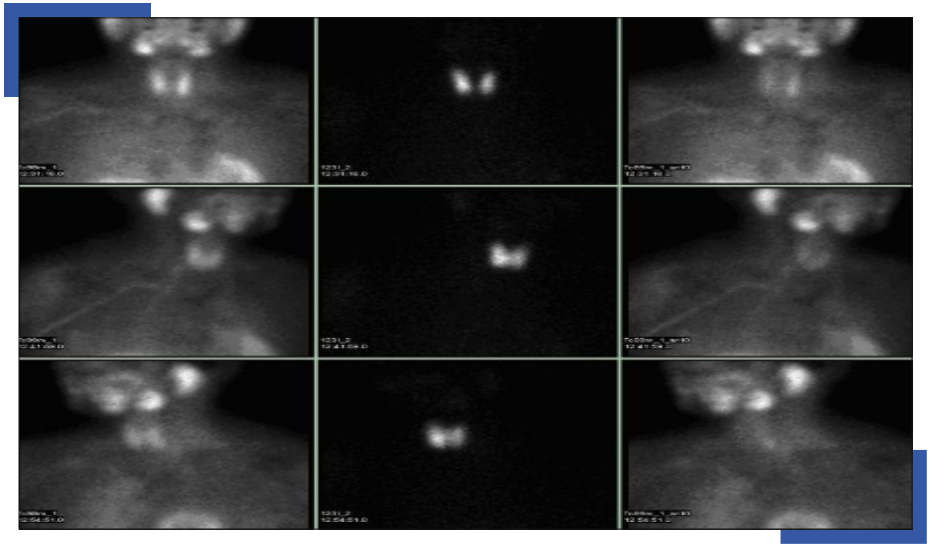
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Understanding
Sestamibi Parathyroid Scan



What is a Sestamibi Parathyroid Scan?

A Sestamibi Parathyroid Scan is a special nuclear medicine imaging procedure performed to assess the function of the parathyroid glands and to determine regions of abnormal parathyroid function. A tiny dose of radioactive sestamibi tracer is given, which can be absorbed by tissues as a function of their biological activity. The gamma camera takes images to determine where the tracer is and how it is distributed to see if abnormal tissue is present in the parathyroid.

Why is it Performed?

This test is advised when the physician is already aware that the patient is suffering from hyperparathyroidism and needs to identify which gland is overactive. It is to diagnose the existence of a tumor or growth (hyperparathyroidism) in the parathyroid gland, which helps the physician to come up with a treatment plan for the patient.

Preparation

- Inform the medical team if you are pregnant or breastfeeding.
- Share details of your current medicines and any relevant medical conditions.
- Bring previous blood tests, imaging reports, or other relevant medical records.
- Follow any specific food, medicine, or preparation instructions provided by the medical team.

Procedure

The amount of sestamibi radiotracer is injected into the body. Then the patient is allowed to rest for a certain duration that enables appropriate distribution of the tracer. The images are then acquired inside a gamma camera, usually depending on the imaging protocol. The patient is required to stay still for image acquisition. The duration of the entire procedure depends on the protocol and patient needs.

Important Instructions

- Follow all instructions provided by the nuclear medicine team.
- Remain still and relaxed while images are being captured.
- Inform the staff if you experience any discomfort or have any concerns.
- Provide details of your medicines, allergies, or relevant medical conditions when asked.
- Follow the recommended post-scan instructions provided by the medical team.
- Maintain adequate fluids after the scan if advised and if there are no medical restrictions.

Safety Precautions

The amount of radioactive material given in the scan is carefully measured and administered under medical experts' supervision. Safe working practices are used as necessary for clinical needs. Inform your healthcare provider about pregnancy, breast-feeding, medications, and allergies before the exam.

When to Seek Medical Attention?

Inform medical staff of any information about the preparation and after-scan care. Sestamibi Parathyroid Scans are carried out at Molecular Diagnostics and Therapy under qualified supervision according to the appropriate nuclear medicine protocol, paying particular attention to patient safety and comfort.