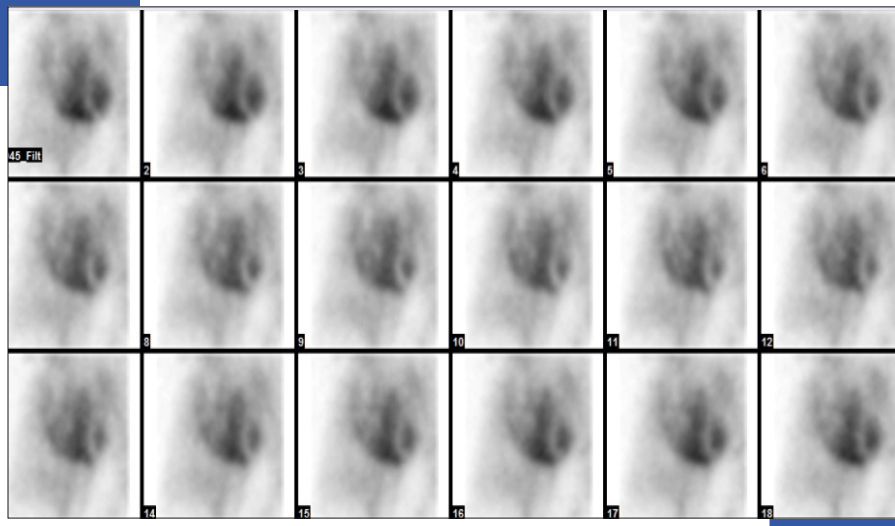




Understanding MUGA Study

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What is a MUGA Study?

A specialized nuclear medicine imaging study called a MUGA Study (Multigated Acquisition Scan) is localised to assess the pumping activity of your heart. A small amount of radioactive tracer is introduced, and images of the heart are taken during the beating of the heart by gamma camera. The scan shows information on the flow of blood around the heart and helps to determine how the heart is working.

Why is it Performed?

A MUGA study is done to study the function of the heart, especially when detailed information about the pumping function is needed. It assists with diminished heart capability, and it might be indicated for monitoring whenever particular therapies are being carried out. The findings are analyzed based on the patient's symptoms, medical history, physical examination, and other tests.

Preparation

- Inform the medical team if you are pregnant or breastfeeding.
- Share details of your medicines and any relevant medical conditions.
- Bring previous cardiac reports or other relevant medical records.
- Follow instructions regarding food, medicines, or fluids provided by medical team.

Procedure

A tiny dose of radioactive tracer is injected into a vein. This tracer is dissolved into the blood and enters the chambers of the heart. The patient lies comfortably under a gamma camera that is able to take images that sync with the beating heart. During image acquisition, the patient is required to keep their body still. Total procedure time varies depending on the imaging protocol and individual needs.

Important Instructions

- Follow all instructions provided by the nuclear medicine team.
- Remain still and relaxed while the gamma camera captures images.
- Inform the medical staff if you experience any discomfort or have any concerns during the procedure.
- Provide complete information about your medicines, allergies, and relevant medical conditions.
- Follow any instructions regarding food, fluids, or medicines before the scan.
- 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

A controlled dose of the radioactive substance is given under the supervision of skilled medical staff. Existing safety measures are adopted in accordance with the patient's clinical necessities. Inform the medical staff if the patient is pregnant, breastfeeding, taking medications, allergic to anything, or has any illnesses prior to the test.

When to Seek Medical Attention?

If you get any unusual symptoms or concerns after the procedure, inform the medical team about medicines, preparation, or post-scan care where necessary. Molecular Diagnostics and Therapy uses appropriate nuclear medicine protocols and is supervised by specialists to ensure a patient's safety and comfort when performing MUGA Studies.