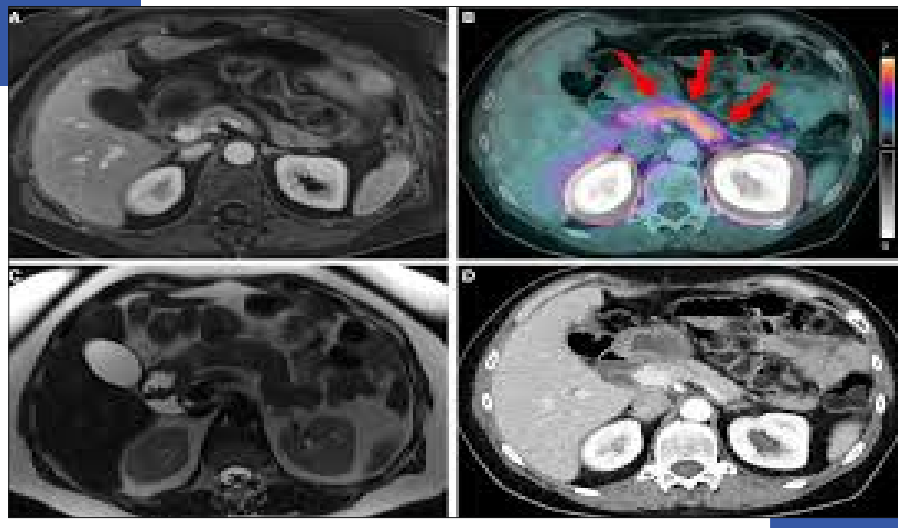




Understanding Cardiac Viability (Resting MPI + 18F-FDG PET-CT)

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What is Cardiac Viability (Resting MPI + 18F-FDG PET-CT)?

Cardiac Viability (Resting MPI + 18F-FDG PET-CT) is a specialized cardiac imaging study that is performed using two imaging studies jointly: Resting Myocardial Perfusion Imaging and 18F-FDG PET-CT. It gives information about blood flow and glucose metabolism of the heart muscle and assists the physician in determining whether the heart muscle is still healthy or not.

Why is it Performed?

This scan is used to determine heart muscle viability, particularly in a patient with compromised heart function or when there is a suspicion of coronary artery disease. Results provide information to enable a doctor to assess the heart muscle condition as well as medical history and other tests performed.

Preparation

Please provide medical history and medication details before the scan.

- Inform the team if you are pregnant
- Inform the team if you are breastfeeding

- Carry previous cardiac, imaging, and laboratory reports
- Inform the team about current medicines and allergies
- Follow the specific fasting, food, water, and medication instructions

Procedure

For Resting MPI, an appropriate tracer is given to evaluate blood flow to the heart muscles. The 18F-FDG is given by the protocol to evaluate glucose metabolism. The appropriate imaging equipment is used to obtain images. It is important not to move during imaging. Procedure time differs depending on the protocol and the person involved.

Important Instructions

- Follow instructions from the Molecular Diagnostics and Therapy team
- Remain still during imaging.
- Inform staff if you feel uncomfortable.
- Follow preparation and post-scan instructions.
- Drink fluids if advised and not medically restricted.
- Take medicines only as instructed.

Safety Precautions

Cardiac viability imaging involves the use of selective radioactive tracers in the presence of trained medical personnel and with prescribed instructions. There could be some discomfort at the point where the shot was given, but there is proper care and precautions taken during the process.

When to Seek Medical Attention?

Inform your healthcare provider if you are experiencing unusual symptoms or concerns. Cardiac Viability (Resting MPI + 18F-FDG PET-CT) is a specialised type of imaging procedure that must be interpreted by a qualified specialist. We have a highly qualified staff that offers suitable imaging assistance at Molecular Diagnostics and Therapy, ensuring a safe and comfortable experience.