



Understanding Adenosine/Dobutamine Stress Thallium

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What is Adenosine/Dobutamine Stress Thallium?

Adenosine/Dobutamine Stress Thallium is a specialized nuclear medicine test that is used to assess blood flow to the heart muscle. It combines a radiotracer with cardiac stress and is injected to assess blood flow in different regions of the heart.

Why is it Performed?

This test determines the blood flow into the heart and any abnormality linked to coronary artery disease. It pinpoints the locations of any low blood flow to the cardiac muscle and the heart's ability to receive its blood supply.

Preparation

- Inform the medical team if you are pregnant or breastfeeding.
- Share details of medicines, allergies, and medical conditions.
- Follow instructions regarding fasting, caffeine, food, and medications.
- Carry previous cardiac reports if available.
- Follow additional instructions provided by your doctor or medical team.

Procedure

During this scan, a small amount of radioactive tracer is administered through a vein to help visualise the required structures and their activity. The patient's heart rate and blood pressure are monitored during the examination, and additional tracer doses are given when required according to the scan protocol. The tracer is then allowed to circulate and reach the target area. The gamma camera takes several images, and the patient should stay still during the process and follow instructions given by the medical team.

Important Instructions

- Avoid caffeine, specific foods, or medicines only as instructed.
- Inform staff immediately if you feel uncomfortable.
- Take medicines only as directed by your medical team.
- Remain still and relaxed during imaging.
- Drink fluids after the scan if advised and not medically restricted.
- Follow all post-scan instructions provided by the medical team.

Safety Precautions

This test uses a controlled amount of radioactive substance and stress medication under expert medical supervision. Appropriate monitoring and safety measures are followed throughout the procedure. Inform the medical team about pregnancy, breastfeeding, allergies, medicines, or relevant clinical conditions of the patient.

When to Seek Medical Attention?

If the patient experiences sudden, unusual, or persistent symptoms after the examination, inform the medical professional promptly. Follow all post-care instructions provided by the healthcare team. At Molecular Diagnostics and Therapy, this examination is performed using appropriate nuclear medicine protocols and with patient safety in mind.