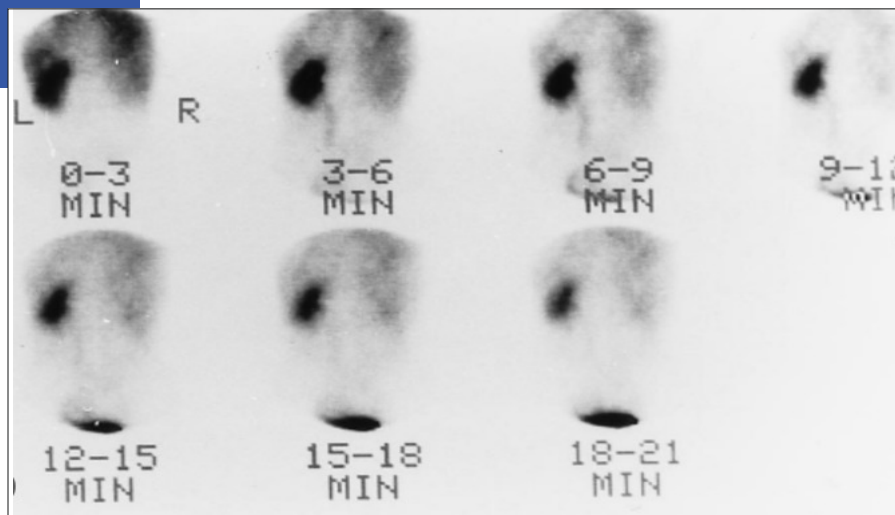




## Understanding DTPA Renal Dynamic Scan

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## What is a DTPA Renal Dynamic Scan?

DTPA Renal Dynamic Scan is a nuclear medicine study to evaluate kidney function. In this scan, Tc-99m DTPA is injected into the body, and an image is created using the gamma camera according to the distribution of the radioisotope in the kidney. It is used for the evaluation of renal perfusion, filtration, and excretion.

## Why is it Performed?

This test is used to check the functioning of the kidneys and the ability to filter the blood in the form of urine. This test is done to determine if the urinary tract is obstructed.

## Preparation

- Inform the medical team if you are pregnant or breastfeeding.
- Share details of medicines, allergies, and conditions.
- Carry previous kidney reports.
- Follow instructions regarding fluids and medicines.

## Procedure

During this scan, a small dose of radioactive tracer is injected into a vein. The tracer passes through the blood, is taken up by the kidney, and the amount of blood flowing through and in the kidney is then measured. The patient is then comfortably placed on a scanning table, and a gamma camera is used to get detailed images as the isotope filters through and gets processed by the kidney. The length of the exam depends on the protocol of the exam and the patient.

## Important Instructions

- Maintain adequate hydration as advised by the medical team.
- Empty your bladder when instructed before or during the scan.
- Remain still and relaxed during imaging to help obtain clear images.
- Inform the staff if you feel uncomfortable, dizzy, or unwell.
- Take medicines only as directed by your doctor or nuclear medicine team.
- Follow any specific fasting or dietary instructions provided before the scan.
- Inform the medical team about pregnancy, breastfeeding, allergies, or any relevant medical condition.
- Bring previous scan reports, medical records, and relevant prescriptions if advised.
- Avoid unnecessary movement during image acquisition and follow the technologist's instructions.

## Safety Precautions

Inform the team about pregnancy, breastfeeding, allergies to any medications, and taking any other medications or therapies. Appropriate monitoring and safety measures are followed throughout the procedure at our centre.

## When to Seek Medical Attention?

Follow all the instructions that the doctors have given regarding prescribed medication. If the patient experiences some unusual symptoms, seek the health care professional. Molecular Diagnostics and Therapy follows all proper protocols in applying nuclear medicine to the well-being of the patients.