

Additional Information

Can the patient take any steps to protect against radiation?

If you have had a Nuclear Medicine scan in the recent past, inform the staff member to ensure that tests are not duplicated unnecessarily.

The following precautions need to be observed for 24 hours after your Renogram scan:

Patients should drink plenty of fluids and empty their bladders frequently. This helps to clear the injected material from the body. Patients should observe careful hygiene when going to the toilet during this period. It is advisable to flush the toilet twice after use.

It is recommended that patients avoid spending long periods of time (in excess of 30 mins) in close contact with young children or pregnant women.

If you are a nursing mother express and discard the breast milk for 24 hours after your injection. You may resume normal breast-feeding after this time.

Further Information

Directions– Beaumont Hospital:

The Nuclear Medicine Department is located on the Lower Ground Floor of Beaumont Hospital. Please check in at the Main X-ray Reception on arrival.

Who do I contact if I am unable to attend/ have queries?

If you have any questions, require further information, have specific requirements, please contact the Nuclear Medicine Secretaries on: **01-8092786**.

Young children and pregnant women should not accompany patients to Nuclear medicine.

If there is any chance you may be pregnant, please inform the Nuclear Medicine Department prior to your appointment on 01 809 2792



NM Renogram Scan
Date Approved: June 2023
Version No. 2
Date for Review: June 2025
NM Department, Beaumont Hospital
<http://www.beaumont.ie/nm>

Beaumont Imaging & Interventional Directorate



BEAUMONT
HOSPITAL



RCSI HOSPITALS
OSPIDÉIL RCSI

PATIENT INFORMATION

LEAFLET:

NUCLEAR MEDICINE RENOGRAM SCAN



Introduction

A Nuclear Medicine Renogram scan has been requested for you and this leaflet explains what the scan involves and what you need to do to prepare for your scan. Your Nuclear Medicine scan will help make a diagnosis or monitor your treatment.

What is Radiation?

Radiation is a form of energy transmitted through space in the form of waves such as Electromagnetic radiation, eg. heat waves, visible light, radio waves or microwaves.

What is a Nuclear Medicine Renogram Scan?

This is an investigation in which pictures of your kidneys will be taken with a gamma camera after you have received a small injection of an Isotope preparation. You will be injected with the isotope through a needle in your arm whilst lying on the gamma camera. The scan will begin immediately after the injection has been administered to you.

What is a gamma camera?

A gamma camera detects radiation coming from your body and forms a picture using sophisticated computer programmes. The camera consists of a flat detector which passes over the kidneys.

Do I need to prepare for the scan?

Please be well hydrated before your renogram scan, drink at least 2 glasses of water within 1 hour of the appointment time. You may eat normally beforehand.

What will happen during the scan?

You may need to undress for your scan and you will be asked to remove metal objects such as keys, coins, belt from your person prior to the scan. Your scan will be done lying down on the gamma camera. The scan will take approximately 1 hour to complete.

How does a Nuclear Medicine scan differ from an X-ray?

Nuclear Medicine patients are administered substances that emit radiation and which enable staff to investigate processes that are happening in the patient's body. The amount of radiation is similar to that used in X-ray. In Nuclear Medicine the patient is emitting radiation for a period after the substance is administered. For Renogram scans, the radiation can remain in the body for up to 24 hours. Your Radiographer will advise you on the precautions you will need to apply after your Renogram scan and should be followed for 24 hours after your scan.

Will I receive much radiation?

No. The amount of radiation you receive is very small and the risks are low. Your doctor will have weighed the benefit of improved diagnosis of your condition against the small risk of the radiation exposure.