



Royal Hospital Nuclear Medicine Department

Diuretic Renogram

Patient Information Sheet

How nuclear medicine works

Nuclear Medicine exams can help to assess how well your organs are working. Hence, it is different from other areas of radiology, which create images of the body anatomy. During a nuclear medicine procedure, you will receive an injection of a radioactive material called a radiopharmaceutical. When the radiopharmaceutical reaches the right area, a special machine called a gamma camera will take pictures of the area of interest.

What is a Diuretic Renogram?

It is a study that gives information about how the blood flow to the kidneys, kidneys functions and how they drain. This scan may show changes in your kidneys that may not show on an x-ray. A drug called Lasix (diuretic) may be used to help determine if there is any obstruction in the kidneys especially when they are not draining normally.

What is involved in this test?

- You will be asked to drink fluids as much as tolerated over a 30 minute period, before the test. You may empty your bladder whenever you need to.
- You will then lie down on a scanner bed and a small amount of radioactive tracer will be injected into a vein in your arm.
- The scan will start immediately after the injection. This will take approximately 30 minutes.
- At 10 -15 minutes from starting time a diuretic (Lasix) will be injected into your vein.
- You may then be asked to empty your bladder and return for more images that will take 5 minutes.
- Once completed, the images will be shown to a Nuclear Medicine Physician, who may then decide to take extra delayed images after 1-2 hour of the injection.

What happens after the test?

There are no known side effects from the test. You may resume your normal activities once the examination is complete. The report will be sent to your doctor.

Preparation:

- Drink 4-5 cups of water 30 minutes before scan.
- Empty your bladder before the scan.

For female patients

- If you are pregnant, please tell the technologist before you are injected with the radioactive tracer.
- Please consult your technologist if you are breastfeeding for further instructions.

Your **Diuretic Renogram** Scan has been scheduled for _____ at _____

If you have any questions or concerns about the test, or if you need to cancel or reschedule your appointment, please contact the **Nuclear Medicine Department** at **24627069**

Nuclear Medicine Department is located on the Ground floor in the Oncology Centre

Please check in with nuclear medicine reception 15 minutes before your appointment.

