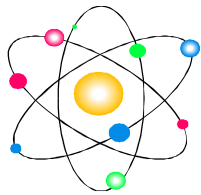


# Renal Scan

## With Blood Glomerular Filtration Rate (GFR) Determination

UHN

### Information for Patients



#### How Nuclear Medicine works

Nuclear medicine exams assess how your organs work. This is different from other areas of radiology, which create images based on your anatomy.

During a Nuclear Medicine procedure, you will swallow, inhale, or receive an injection of a radioactive material called a **radiopharmaceutical**. When the radiopharmaceutical reaches the right area, a technologist will take pictures of you with a special machine called a gamma camera.

#### What is a renal scan with GFR?

A renal scan is used to show how your blood flows to the kidney, and compares how the right and left kidneys are working (the GFR value).

To give us an idea of your GFR, we will need to draw blood from you. We will draw blood when we start the test, and at the 1-hour and 3-hour part as well. You will have time to walk around in between blood draws.

#### What is the test like?

##### Renal Scan with Blood GFR Determination (3.5 hours):

- A technologist will take your height and weight and you will be asked to drink 4 to 7 glasses of water over 30 minutes. You can empty your bladder any time you want during that time.

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University Health Network  
Toronto General Hospital Toronto Western Hospital Princess Margaret Hospital

- We will take an initial sample of blood.
- You will then lie down on a scan bed and we will inject a small amount of radioactive tracer into a vein in your arm or hand.
- The scan will start right after the injection. This will take about 20 minutes.
- We will then ask you to empty your bladder and return for 2 more images. They will take about 5 minutes.
- 1 hour after the injection, the technologist will take another sample of blood.
- 3 hours after the injection, the technologist will then take another sample of blood. After that you can go home.

### **What happens after the test?**

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

### **Preparing for this test**

#### **Bring a list of your medication.**

- If you do not have a blue card from University Health Network, please come 30 minutes before your appointment time and go to Patient Registration, located on the ground floor near the Elizabeth Street entrance or at the desk of the main University Avenue entrance.

#### **For female patients**

If there is any chance that you are pregnant, tell the technologist **before** you are injected with the radioactive tracer. You **will need to stop breastfeeding 24 hours for this test**, so tell the technologist if you are nursing a baby.

Your renal test has been scheduled

on \_\_\_\_\_

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, Toronto General Hospital at 416-340-3311.

At Toronto General Hospital, the Nuclear Medicine department is located on the first floor of the hospital, ES1-408, near the east elevators.

Check in at the Medical Imaging Reception **15 minutes before your appointment.**

