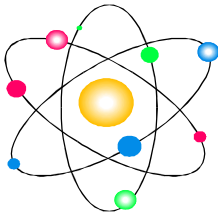


Xenon-Perfusion Lung Scan



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 an Xenon-Perfusion Lung scan?

An xenon-perfusion lung scan looks at how much air and blood is entering into your lungs.

What is the test like?

Part 1:

- We look at the how much air is in your lungs as you breath a radioactive gas (xenon).

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- This takes about 15-20 minutes.

Part 2:

- We look at the how much blood there is in your lungs by giving a small injection of a different radioactive tracer into a vein.
- This takes 5 minutes
- Then the technologist runs computer tests on the images to give your doctor information on how much air supply and blood supply there is in different parts of your lungs.

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. We will send the report to your doctor.

Preparing for the test

- You do not need to prepare for this test.
- 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 or if you are breastfeeding, tell the technologist **before** you are injected with the radioactive tracer.

Your lung scan 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 area (University Avenue entrance, across from the pharmacy) **15 minutes before your appointment.**

