

Please tell your healthcare team if you may be pregnant or if you have had a problem with this test in the past.

Triple-Phase Bone Scan

A triple-phase bone scan is a test that can show early bone disease, infection or fractures. In many cases, the test can find these conditions before they can be seen on standard X-rays. This bone scan uses a small amount of radioactive material (tracer) that is absorbed into your bones. The amount of radiation used in this test is small and well within limits that are not harmful to you. The test is done in the Nuclear Medicine Department and takes about 5 hours. However, there is a 2- to 3-hour break between the first and second portions of the test.

Before the test

There is no special preparation for this test.

On the day of the test, plan to arrive 15 minutes before it is scheduled to begin. Be sure to bring:

- Your physician's written order for the test if you received one
- A list of allergies
- A list of all your current medications (prescription, over-the-counter and herbal)
- Photo ID
- Medical insurance information
- Medicare card (Medicare patients only)

Please come to the 8th floor Reception Desk in Galter Pavilion, 201 East Huron Street.

Parking is available for patients and visitors in the garage at 222 East Huron Street, across from Feinberg and Galter pavilions. For a discounted rate, please bring your parking ticket with you. Your ticket can be validated at the Customer Services Desk on the 1st, 2nd or 8th floor of Feinberg and Galter pavilions, and the 1st floor of Prentice Women's Hospital.

During the test

When you arrive in the Nuclear Medicine Department, a nurse or technologist (tech) will ask you questions about your medical history. *If you think you might be pregnant or are breastfeeding, please tell the tech before the start of the test and before you are given an injection.*

The tech will insert an intravenous (IV) line into a vein in your arm or hand and give you an injection of the radioactive tracer. Pictures will be taken of the suspected area of fracture or infection. The tech will ask you to return to the Nuclear Medicine Department about 2 to 3 hours later. This time is needed for the tracer to collect in your bones. When you return, it will take about 2 hours to obtain the images needed.

You will be asked to empty your bladder. This is done so that your pelvic and hip bones show up more clearly. You will then be asked to lie on an imaging table, and a total body image will be taken.

A radiologist will review your bone scan before you are cleared to leave. It is likely that extra images will need to be taken to obtain more detailed information.

After the test

You may resume your normal activities and diet after the test. The injection you were given is not harmful and becomes nonradioactive within hours.

Talk with your physician about your test results. You may obtain a copy of your test results a week after the test from Medical Records Department, which is located on the 2nd floor of Galter Pavilion.

If you have any questions about this test, please call the Nuclear Medicine Department at 312.926.2320, TTY 312.926.6363, Monday through Friday, 7:30 am to 5:00 pm.