

Loosening of prosthesis scan

Department of the test: Nuclear Medicine (NM)

Purpose of the test:

To differentiate loosening/inflammation of implanted prosthesis, depending on what your doctors want to look at.

Notes before the test:

1. You will have some radiation in this test.
2. Preparation before your test is not required.
3. Please don't bring pregnant woman or children with you. We don't want to expose them to unnecessary radiation.

On the day of the test:

1. Please check in first at NM service counter.
2. This is a three-part test. First, you will have a bolus of radioactive phosphate tracer injected in to your veins by NM physician. Images will be acquired immediately. Then you will be given a break for 2-3 hours before taking second-part images. During the break, you should drink a lot of fluids (1000c.c.) and go to the bathroom as you need.
3. After the break, you will return for pictures of your whole skeleton and the site of prosthesis, taken for 30-60 minutes by NM technologists. Please don't move during these pictures.
4. For the third-part of test, you will have a bolus of radioactive gallium tracer injected in to your veins by NM physician.
5. You will be given a break for 1 day before pictures. NM doctors will ask you to have some laxatives in the evening before the day of pictures, helping you clear remaining tracer from the bowel.
6. After the break, you will return for pictures of your whole body and the site of prosthesis, taken for 30-60 minutes by NM technologists. Please don't move during these pictures.
7. Your test time may be lengthened if additional spot view or 3D tomography is needed.

Total duration of the test: About one and a half days.

Adverse drug effect of the test: very rare.