

Diuretic Renogram

(4th version June 16, 2021)

After the clinical doctor's assessment, it is necessary to evaluate the renal function. We arrange the precise renal function test for you. After the following introduction, we hope you can understand the test.

Purposes of this study:

1. To distinguish between an obstructed and nonobstructed kidney.

Procedure of this test:

1. Injection of contrast media in radiological examination such as CT scan, IVP test and bronchography should be avoided in at least three months before the test.
2. If receiving chronic diuretics, please hold them the morning of the study to support adequate hydration.
3. If you have any following conditions, please tell us in advance. They are relative contraindication to this test.
 - o possibility of pregnancy
 - o allergy to furosemide (Lasix)
4. Adequate hydration is important before arrival. Fasting is not necessary for this study.
5. On the day of the exam, you will check in at the Nuclear Medicine Department.
6. A Nuclear Medicine Technologist will explain the procedure to you. You may also be asked several important questions about your health.
7. Please wait for a while after check in, then you need drinking at least 300 C.C. of water thirty minutes earlier before the test.
8. Go to the restroom right before the test begins.
9. You will be asked to lie down on the imaging bed. Next, in most cases, an injection of a small amount of medication called Tc-99m MGA3 will be injected (usually in your hand or elbow).
10. The imaging taking will be performed immediately after the injection of a radiotracer. The duration is about 27 minutes.
11. Lasix may be injected into one of your veins (usually in your hand or elbow), usually at 10 minutes after tracer administration, depending on what your doctor is looking for.
12. If you are an inpatient, you will be returned to your hospital room. If you are an outpatient, you may go home and continue your regular activities. A report describing the findings of your scan will be sent to your physician. You should make an appointment to see your referring doctor to obtain the results of your test.

13. Any diagnostic procedure may have some risks, and you should consult your physician regarding the risks and benefits of this procedure. Tc-99m pertechnetate causes minimal side effects. The test and material are used routinely worldwide under physician supervision.

Other notices:

1. If you have any possibility of pregnancy, please tell us in advance. Pregnancy is a relative contraindication to this test.
2. Remove jewelry and any metal objects that might interfere with the images.
3. Please keep still during scanning in order to achieve a high quality picture.
4. In order to promote the excretion of radiopharmaceuticals, it is recommended to drink plenty of fluids after the exam and void frequently after injection.
5. This test is very safe. Although a radiopharmaceutical used, it is a very small amount. No severe side effect has been reported. Allergy could happen but very rare. Please do not worry. This test does not cause harm to you or your family. But for the protection of children and pregnant women's rights, avoid prolonged close contact with babies, small children, and pregnant women within the exam day (over one meter). No obvious side effects will occur when in touch with babies and pregnant women.

Please feel free to contact us if you have any question.

TEL: 04-23592525 extend 4801

Email: nm@vghtc.gov.tw

**Department of Nuclear Medicine
Taichung Veterans General Hospital**