

Venography and V/Q Scan

Department of the test: Nuclear Medicine (NM)

Purpose of this test:

1. To detect blood clots and patency of the deep veins in the legs.
2. To assess the air and blood circulation within your lungs for several possible disease processes (pulmonary embolism, preoperative evaluation, etc).

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 women 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 our NM service counter.
2. You will be asked to lie down on the imaging bed with the camera positioned above your legs.
3. The NM physician or technologist will inject a small amount of radioactive tracer into the veins in each foot.
4. Pictures of venography are taken during injection and those of the perfusion scan are taken 20-30 minutes after injection.
5. After that, a mask will be placed over your face and you will inhale a mixture of oxygen and radioactive aerosol for about 10 minutes.
6. Then, go back to the imaging bed and pictures for lung ventilation will be taken for 20-30 minutes.

Total duration of the test: About 1-2 hours.

Adverse drug effect of the test: Very rare.