



NUCLEAR MEDICINE LUNG VQ SCAN

Patient Information

What is a lung VQ scan?

A lung VQ scan looks at the air supply and blood supply to the lungs. It determines the likelihood of having a pulmonary embolism, a blood clot in the lung.

Preparation

There is no special preparation for the examination, but you may need to have a chest x-ray prior to the scan if you have not recently had one. You may eat and drink normally before your appointment. You can take any medication as usual.

Please let us know if you have ever been diagnosed of having L-R Shunts (small hole in the heart), Pulmonary Hypertension and/or any allergies to Albumin.

Pregnancy/Breastfeeding

If you are pregnant or breastfeeding it is essential that you let us know before your appointment date. If you are a female of child bearing age (12-55 years old) you will be asked about your pregnancy and breastfeeding status. If you are unable to confirm you are not pregnant a pregnancy test may be performed.

Chaperones

All patients are entitled to have a chaperone present for any consultation, examination or procedure where they feel one is required. This chaperone may be a family member or friend. On occasions you may prefer a formal chaperone to be present (ie. trained member of staff).

The examination

Your lung examination has two parts – one that looks at the airflow into the lungs and one that looks at the blood flow to the lungs.

Upon your arrival a radiographer will explain the procedure to you and will ask you a few questions about your health records. You will be asked to lie down and then to



breathe a small amount of a radioactive gas through a mouth piece which shows us the airflow into the lungs. The gas will not make you feel any different and does not have any side effects. It emits gamma rays which can be detected by a piece of equipment called a gamma camera.

After the inhalation portion, you will be taken into the scan room, positioned on the scan table and a series of pictures are taken of your lungs. The machine is very quiet and you do not go through a tube or tunnel.

After the first set of images you will be given a small amount of radioactive tracer injected into a vein in your arm while lying on the scan table which shows us the blood flow to your lungs. The injected tracer is carried through the bloodstream to your lungs and another series of images are acquired.

You do not need to undress for the examination, but you may need to remove metal objects from your clothing or upper pockets, such as jewellery and/or belts as these will interfere with the quality of the pictures.

How long will it take?

The examination will take approximately 45 minutes.

Who will be present?

Your scan will be performed by a Nuclear Medicine trained member of staff which stays with you in the room while scanning. In addition we might have students in our department, and they will observe the procedure if you give your permission.

Can I bring a friend or relative with me?

You can bring a friend or relative with you and they may accompany you for the injection or scan. Because our waiting room is very small, we would prefer that you do not bring more than one person with you. It is advisable NOT to have a pregnant woman or any children with you. This is to avoid exposing them to unnecessary radiation.

Will the injection hurt?

The injection is very similar to having blood taken. It will not make you drowsy or prevent you from driving a car.

Is radioactivity dangerous?

The amount of radiation involved is similar to that from an x-ray examination. The radioactivity naturally disperses from the body and is largely gone in 24 hours. The very low risk involved is balanced against the benefit of the information the examination provides for your doctors.

After the examination

You will be asked to drink more than usual for the rest of the day to help clear the substance from your body. Otherwise you can continue as normal.

How do I obtain my results?

The results will be sent to the doctor who asked for the examination, and will normally be with them within two working weeks, but if you have an appointment sooner than this, please let us know, and we will ensure the results are available for then.

How to find us

The Nuclear Medicine department is in the main X-ray department at East Surrey Hospital. This is on the ground floor of the hospital, closest to the main entrance. You can also reach the department by following the main corridor from the east entrance.

Please report to the main reception.

Further Information

If you need to cancel, change your appointment or have any concerns/queries about your examination, please contact the Nuclear Medicine department on: 01737 768511 x6001 (Monday to Friday, 9am – 5pm).

Directions, parking and travel information for East Surrey Hospital and Crawley Hospital is available on our website at www.surreyandsussex.nhs.uk/finding-us/

Gamma Camera Appeal Fund

A gamma camera appeal fund was set up by Mr and Mrs Bell in 1987 in memory of their son David, and it has been supported by local people ever since. Initially the funds were used to purchase our first gamma camera, and since then it has been used to purchase new and updated equipment; it has also been used for continuing professional education so that staff are able to provide an even better level of service to their patients.

If you would like to contribute to the appeal fund, please send a cheque made payable to Surrey and Sussex Healthcare NHS Trust (Gamma Camera). Thank you.

Contact Us

Surrey and Sussex Healthcare NHS Trust
Diagnostic Imaging Department
East Surrey Hospital
Redhill Surrey RH1 5RH

Nuclear Medicine Department
Tel: 01737 768511 Ext.6001 (Monday to Friday 9 am to 5pm)
www.surreyandsussex.nhs.uk

Patient Advice and Liaison Service (PALS)

Telephone: 01737 231 958

Email: [**pals@sash.nhs.uk**](mailto:pals@sash.nhs.uk)

Write to: PALS, East Surrey Hospital
Redhill, Surrey RH1 5RH

You can also ask a member of staff to contact PALS on your behalf.

This information can be made available in other languages and formats, including in larger text. Contact: 01737 231 958 for help.

Author: Diagnostic Imaging
Last updated: October 2018
Nuclear Medicine Lung VQ Scan October 2018