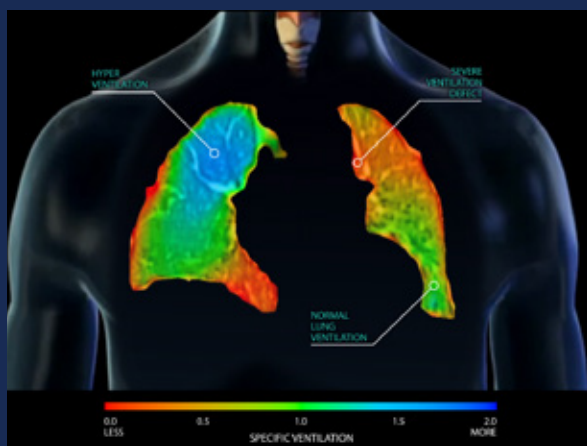


XV LVAS™ Ventilation Report **Patient Information**

Your doctor has referred you for a **4D Medical XV LVAS Scan**. This fact sheet provides you with more information on the **XV LVAS scan**, how to prepare, and what to expect.

The XV LVAS Ventilation Report

XV LVAS scan uses X-rays to create detailed images of the lungs' movement and function during breathing. The Ventilation Report is used with other information by doctors who diagnose, monitor and treat a variety of illnesses that affect the lungs.



What is XV LVAS?

XV LVAS refers to 'X-ray Velocimetry Lung Ventilation Analysis Software'. It is a new technology that uses an X-ray machine to take a series of x-rays of the chest. The X-ray images are then converted into detailed, 4-dimensional images of your lungs (3D images in motion). These images are used by your doctor to understand how your lungs move and function when breathing.

What to expect during a scan?

Before the scan, the radiographer will explain the procedure and help prepare you for the scan.

You will be asked to lie down, with your hands placed behind your head or on your hips, while the scan is taken. Generally, X-rays will be taken at five positions over your chest. You should breathe normally during the scan.

You do not need to breathe deeply or hold your breath.



After the set of X-rays images have been taken, the radiographer will review the X-rays. This can sometimes take several minutes. Sometimes there will be a need for additional images to be taken.

The radiographer will then instruct you when the procedure is finished.

The scan results will not be immediately available. The images will need to be analysed and a report will be sent to your referring doctor.

How do I prepare for a scan?

No preparation is required for the scan.

On the day of your appointment, please bring your scan request form or referral letter from your doctor.

It is helpful to wear loose fitting clothing without metal buttons, buckles, fasteners or zippers, as metal objects interfere with the scan. A gown or sheet is provided if clothing needs to be removed.

Please inform the radiographer who is performing the scan if you are, or might be, pregnant.

How long does a scan take?

Typically, the scan will take less than 30 minutes.

What are the benefits of a scan?

Scan images are used to produce the XV LVAS Ventilation Report to support the doctor's decision-making in diagnosis, monitoring or treatment of your condition.

The XV LVAS Ventilation Report provides qualitative and quantitative information about regional lung ventilation, allowing physicians and patients to visualise and better understand how the lung is functioning.



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What are the risks of a scan?

The scan delivers a very small dose of radiation.

However, the radiation dose levels of the scan is considered minimal to very low risk. The radiation dose level from the scan is approximately equivalent to 3-7 weeks of natural radiation exposure from the environment.

How do I get my results?

Your referring doctor will receive a written report with the results of your scan.

It is important that you discuss the results with your doctor so that they can explain what the results mean for you.

Watch videos for further information

What is XV LVAS Imaging



What is in an XV Ventilation Report



How XV LVAS Imaging Works

