

Vascular Ultrasound

What is a Vascular Ultrasound?

A vascular ultrasound, also called a duplex or Doppler scan, is a medical test that uses sound waves to examine the blood vessels of the body.

Vascular ultrasound is a safe and non-invasive scan that is able to provide detailed, real time information without the use of radiation.

What preparation is required?

Preparation for a vascular ultrasound will vary depending on the region of the body to be examined. Many scans do not require any preparation however please see below an example of why specific preparation is required for certain body regions.

Abdominal Aorta

If your scan involves imaging of the vessels within the abdomen, you will be required to fast. The purpose of this is to reduce the amount of gas within the abdominal cavity caused by digestion. Fasting for this scan is essential as sound waves cannot infiltrate gas or air.

Please note: For arterial scans of the leg, the Sonographer may also need to scan the arteries within the abdomen that supply the legs and therefore fasting will be required.

You will need to bring your referral and any previous x-rays or scan with you to your appointment.

Please inform us if you would prefer a female sonographer, so this can be accommodated at the time of booking.

What will happen during the examination?

The Sonographer will begin by asking you some questions regarding your medical history and current symptoms. Once this information has been obtained, the Sonographer will explain the scan and what is involved.

The region you are having assessed will determine how you will be positioned for the examination.

A water-based gel is applied to the skin and an ultrasound transducer is used to generate images of your blood vessels. The sound waves emitted by the transducer are also able to detect the movement of blood cells within the vessel (The Doppler Effect).

Throughout the procedure, you will hear a range of sounds as the Sonographer assesses the blood flow within the vessels whilst taking a series of still images. Minor pressure may be applied with the transducer to obtain adequate views of the arteries and veins.

How long will the Vascular Ultrasound take?

The length of the test will depend on the region being assessed. For example, a scan of the neck arteries (carotids) or a DVT scan will take approximately 30 minutes. More complex scans, such as leg arteries or varicose vein mapping studies may take up to 90 minutes to complete.

How much will the Vascular Ultrasound cost?

The cost of the scan depends on a number of factors, including the type of scan that your doctor has requested has requested and whether you have a Government issued concession card. Please advise our friendly Customer Service Team if you are a pension or health care card holder.

Our Customer Service Team will be able to advise you of all costs involved with your ultrasound including any out of pocket cost (if relevant).

When can I get my results?

The vascular ultrasound images obtained are digitally recorded. Our Radiologists then interpret the images and provides a report for your doctor within 24 hours.