

About Vascular One Ultrasound

Vascular One Ultrasound is a new, modern vascular ultrasound diagnostic practice which opened in Kotara, Newcastle in February 2011. It is a locally owned and operated business dedicated to quality service.

Warren Lewis is the Director and Senior Sonographer for Vascular One Ultrasound and has over 28 years' experience in the field of vascular ultrasound diagnosis. He has worked closely with most of the vascular surgeons in Newcastle and is Newcastle's most experienced and respected vascular sonographer.

The supervising Specialists for Vascular One Ultrasound are Radiologists Drs. Brad Macdonald and John Lewis from Newcastle Radiology.

Vascular One Ultrasound's goal is simple:

- "to provide our clients with the most accurate vascular ultrasound diagnosis possible" and

- "to have our knowledgeable, friendly and helpful staff provide our clients with a first class, efficient and memorable service".

Opening hours, Address+Contact us

We are open:

Monday to Friday 8.30am - 5pm and
1st and **3rd** Saturdays of the month
8.30am - 12pm.

Address:

Vascular One Ultrasound
2B/70 Northcott Drive Kotara 2289

Contact Us:

Ph – 49539811 Fax – 49539833

Email – info@vascularone.com.au

Web – www.vascularone.com.au



Do you have any feedback?

If you would like to comment on any aspect of our service to you, please ask for a feedback form from the Receptionist. We want to know what has pleased you most about our service and what you think we could improve on.

THANK YOU

RENAL ARTERY

ASSESSMENT



VASCULAR ONE
ULTRASOUND

PATIENT INFORMATION
BROCHURE

Why am I having this scan?

Your doctor wants you to have a colour flow duplex ultrasound scan of the renal arteries which supply blood flow to the kidneys. Often it is to investigate why your blood pressure is high or poorly controlled with medication. Other reasons may be abnormal blood tests, known kidney disease, a "murmur" the Doctor heard in your abdomen or follow up of previous renal artery ballooning/ stenting.

What causes narrowing of the renal arteries?

Atherosclerosis is the most common reason for arterial narrowing or blockages. It is a condition which causes the fatty deposits to build up on the artery walls causing narrowing and possible total blockage. Risk factors commonly associated with the presence of atherosclerotic disease are smoking, high cholesterol, diabetes, high blood pressure and a family history of the disease. A colour flow duplex ultrasound of the renal arteries will accurately identify any areas of narrowing, blockage or dilatation. Another condition more frequent in young to middle aged females is called fibromuscular hyperplasia. It affects the wall of the renal artery causing a number of "pinching" type narrowing's of the vessel.

What will happen during the examination?

There are no needles or dyes used, so there is no need to be worried about this examination. All Vascular One ultrasound scans are non-invasive. You will be asked to remove the clothing from your abdominal area (leaving underwear on). You will be asked to lie on your back on an examination couch and gel will be put on the skin surface and the sonographer will gently move the probe over your arteries. The renal arteries are quite deep so the probe will be pushed down into your abdomen and you will feel the pressure of the probe, but it should not be painful. If it is uncomfortable, please inform the sonographer. You will, from time to time, hear noises coming from the ultrasound machine. This is normal and is the Doppler ultrasound measuring the speed and direction of the blood flow in these arteries. As part of the examination, we also look at the kidneys and assess the blood flow in the arteries within the kidney. We will ask you to roll onto your side for us to assess the kidney flow. We may also ask you to hold your breath for a few seconds which stops any movement of the arteries during respiration. This examination takes approximately 45 minutes.

What is ultrasound?

Ultrasound involves transmitting sound waves into the body from an ultrasound probe which are then reflected off the structures we are examining in your body. The ultrasound machine then reconstructs this information into the pictures you see on the ultrasound monitor. To assess your arteries and veins we use Doppler ultrasound which enables us to measure the speed and direction of your blood flow. Colour Doppler enables us to "see" the movement of the blood flow in your vessels. Ultrasound has been in use since the 1950's and is completely safe and non-invasive.

Your scan results

These will be delivered to your Doctor within 48 hours. If your Doctor uses software to download results directly to their computer, they will have the results within 24 hours. If your Doctor wants the results more urgently, we can phone or fax the results to them as soon as we have finished the scan. It is the responsibility of your Doctor to give you the results of your test. The sonographer cannot indicate the results of the test after your examination. The supervising Specialist needs to see all the information before providing the final diagnostic report.