

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

Venous Incompetence Reflux/V.V's 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 veins in your leg to see if there are any abnormalities with the valves in the deep and superficial veins that may cause the following symptoms:

Varicose or dilated superficial veins

Aching and swelling of legs

Skin changes or ulceration

Accurate measurements of the vein diameters are made including assessment of the valves. This information is important to determine the correct treatment for your veins.

What causes the valves to be incompetent?

It is not clearly understood, but there are several factors which increase the incidence of having varicose veins.

These include: Pregnancy and obesity

Standing on hard surfaces

Family history of varicose veins

Previous thrombosis in the vein which destroys the valve

The veins return the blood to the heart with the help of your calf muscle and venous pressure. If the valves do not work properly, the venous flow will reverse back down the legs causing an increase in the venous pressure and leading to dilatation of the veins. The "stagnant" blood flow in the lower leg can cause aching, swelling, skin changes and ulceration as well as the development of visible varicose veins.

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. An experienced vascular sonographer will perform a colour flow duplex ultrasound scan of the veins in your leg. This involves removing the clothing (leaving underwear on) so that your legs are bare from the groin to the foot. You will be asked to stand on a step stool which has a rail for your support. You will face the sonographer who will apply gel onto the leg and an ultrasound probe will be moved over your skin surface from the groin to the ankle. You will be asked to sit on the bed while some veins are assessed which also gives you a break from standing the whole time. During the scan, the sonographer will gently squeeze your calf and also compress the veins with the probe by downward pressure. It should not be painful, but if there is any discomfort, please let the sonographer know straight away. You may also hear the ultrasound machine making noises which is normal. This is the Doppler assessing the blood flow in the veins.

The test will take approximately 60 minutes for both legs or 30 minutes for one leg.

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.