

## ARTERIAL LEG or ARM ULTRASOUND

### Appointment

**Date:**

**Time:**

**Patient Preparation:**

Nil

**Time For Examination:**

30 mins +/-

**Please Bring:**

Referral

Previous imaging

**Locations:**

Gold Coast Radiology,  
Suite 1 & 2 Harbour Point

10 Santa Barbara Road,  
Hope Island, QLD 4212

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**Undercover parking is available.**

Ultrasound uses high frequency sound waves to generate an image. There are no known side effects. It has the ability to image in real time, allowing structures and movement to be seen and recorded. This makes it a good modality to view arteries and veins and record blood flow.

All ultrasound examinations use a hypo allergenic gel on the probe(hand held device)so it can slide over the skin and provide a medium for the sound waves to pass through to the body. Doppler ultrasound(special application ultrasound)measures the direction and speed of blood cells as they pass through the vessel. You will hear pulse like sounds that change in pitch as blood flow is monitored and measured.

You may be required to change into a gown for the exam depending on the body part being examined.

An examination of the arteries of the legs or arms is done to assess- any narrowings

Any blockages (from plaque- a build up on the artery wall)

Any dilatations (aneurysms)

Embolus( blockage from a clot)

Progress check on grafts ,stents, angioplasties

You will be required to lie down while the probe, with gel, slides over the leg or arm taking images and readings of the blood flow. It may be necessary to change positions slightly. This is not normally uncomfortable. The limb being assessed is systematically scanned. checking the arteries, taking images and readings of the blood flow. You will hear the pulse like noise during the exam, it may change in pitch or intensity, this does not automatically mean there is a problem.

At the end of all examinations gel will be wiped off and you will be asked to dress while the films are reviewed and a worksheet is prepared.

Our Radiology Doctor will review the images & worksheet and send a report back to your referring doctor.