

VASCULAR TESTING

PATIENT INSTRUCTIONS

The Vascular Laboratory at the Neurology Center of Fairfax is a diagnostic non-invasive vascular ultrasound facility. The Vascular Laboratory is a very specialized diagnostic testing facility. Arterial and venous diagnostic studies are performed to detect vascular disease. Cerebrovascular, peripheral arterial, aortic, renal, and venous examinations are performed.

Non-invasive ultrasound is the most important tool in the vascular laboratory. Ultrasound machines are used to take pictures of blood vessels and blood flow in these vessels with color Doppler and pulsed Doppler. Segmental pressures and pulse volume recordings are performed to locate the area of blockage in the arms and legs.

Testing in a vascular laboratory is often the first step in diagnosing vascular disease. Specific tests are performed according to the suspected vascular problems. These procedures are generally painless and can help to determine if blood vessel disease is present, the location, and severity.

The Laboratory is certified by the Intersocietal Commission for the Accreditation of Vascular Laboratories. This is the national certifying body for non-invasive vascular diagnostic laboratories. All testing is performed according to standard recognized protocols approved by the Intersocietal Commission for the Accreditation of Vascular Laboratories. All equipment is current state-of-the-art and is maintained with service contracts from the manufacturing company.