

Our Services

We're proud to offer a wide array of vascular testing, including:

Extracranial Cerebrovascular Testing

- Carotid artery duplex (Doppler)

Peripheral Arterial Testing

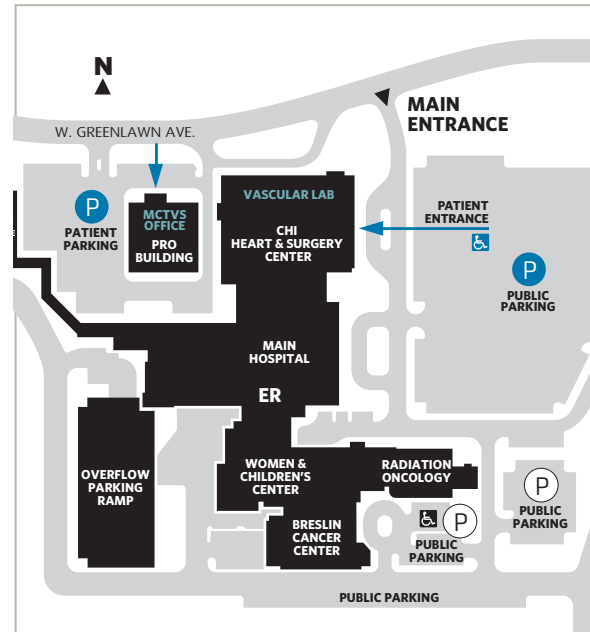
- Lower and upper extremity arterial duplex
- Resting and exercise arterial doppler

Peripheral Venous Testing

- Lower and upper extremity venous duplex (Doppler)

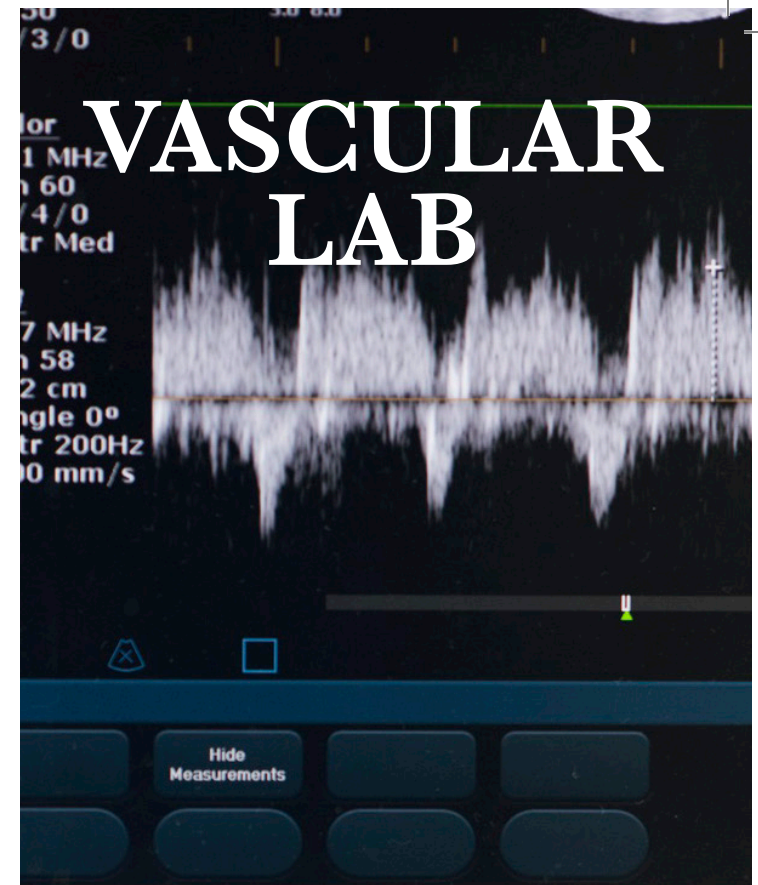
Visceral Vascular Testing

- Abdominal aorta duplex (Doppler)
- Renal artery duplex (Doppler)



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mclaren.org/lansing



 **McLaren**
GREATER LANSING

DOING WHAT'S BEST.

Our vascular testing experience brings excellence to the bedside

Vascular ultrasound is an important diagnostic tool for the detection and diagnosis of blood vessel problems. Using sound wave frequencies that humans cannot hear, ultrasound offers a safe, harmless, non-invasive method to detect medical conditions.

Preparing for your exam

There is no special preparation for these exams, except for the abdominal vascular ultrasound. Please arrive 30 minutes early for registration purposes. Most exams take 30 to 60 minutes to complete. After your exam, you are free to go about your daily routine.

Experienced vascular technologists

McLaren Greater Lansing's skilled vascular technologists are the key to uncovering life-threatening cardiovascular disease. The quality of your test results depends on the experience and training of your vascular technologist.

Non-invasive ultrasound studies

A vascular technologist will perform your procedure by first applying a gel on the area to be evaluated. Then a small, microphone-like device (transducer) is painlessly passed over the area and produces an image on the ultrasound screen.

Ultrasound is also used to measure the blood flow in specific blood vessels. During this procedure, you may hear noises while the technologist listens to the blood flow.

Results reviewed

When your procedure is complete, a board-certified vascular surgeon or cardiologist will review and interpret all your images and blood flow measurements. A report will be sent to your primary care or referring physician within 48 hours.

Types of exams

Carotid duplex: To evaluate the carotid arteries in the neck that feed the brain with blood, a transducer is placed on the skin of the neck to obtain images and listen to blood flow in the arteries.

Venous duplex: A transducer will be placed on the skin of the arms or legs to obtain images and evaluate flow in the veins.

Arterial duplex: To evaluate the arteries that supply blood to the arms and legs, a transducer will obtain images and listen to blood flow on the skin of the arms or legs.

Arterial pressures and waveforms: Several blood pressure cuffs will be placed at different segments of your legs or arms. When inflated, these cuffs will provide blood pressure readings and waveforms. This test will locate areas of blockage within the arteries that supply the arms and legs.

Abdominal vascular duplex: To evaluate the blood vessels that bring blood to and from your abdominal organs, a transducer will be applied to your abdomen (belly) to obtain images and listen to blood flow. Prior to this exam, you must fast (eat nothing) for 10 hours before your scheduled appointment



For more information, or to schedule a test, contact McLaren's Vascular Lab.

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