

A venous duplex scan helps to detect a blockage in blood flow.

Venous Duplex Scan

A venous duplex scan uses sound waves to check how well the veins are returning blood to the heart. This exam can focus on the larger veins in either the upper or lower portion of the body.

- An **Upper Extremity Scan** looks at the veins in your neck and the area from your shoulder to your wrist. Both arms are examined.
- The **Lower Extremity Scan** looks at the veins anywhere from your groin to your ankle. Both legs are examined.

The test helps to detect a blockage in blood flow (such as a blood clot) that may cause pain or swelling in the arms or legs.

A venous duplex scan is performed in the Vascular Lab and takes about 45 minutes.

Before the Test

There is no special preparation for this test.

On the day of the exam, plan to arrive 15 minutes before your test time. Be sure to bring:

- Your doctor's written order for the test
- Medical insurance information
- Medicare card (Medicare patients only)

For their own safety, children under 16 may not visit in the testing area. They may stay in the waiting room with a responsible adult.

Please come to the Galter Pavilion, 201 E. Huron St., and check in at the 8th floor reception desk. Parking is available for patients and visitors in the garage at 222 E. Huron, across from the Feinberg and Galter pavilions. For discounted rates, please bring your parking ticket with you. Tickets can be validated at

the Customer Services Desks on the 1st and 2nd floor of the Feinberg and Galter pavilions; 1st floor of Prentice (including the Prentice 24 hour desk near the Superior entrance).

During the Test

The technician (tech) will assist you in lying on your back on an exam table. A warm gel is applied to the skin in the area to be examined. Then the tech moves a small, hand-held device (transducer) on the skin over the veins being examined. The transducer transmits sound waves to a monitor, where images can be seen and saved for later review. During the test, you may be asked to take deep breaths. You may see the images on the monitor and hear some sounds as the tech records the blood flow.

After the Test

The tech will provide towels to help remove the gel. If a blood clot is found, your doctor is notified right away and you are advised of any needed follow-up care.

If no clot is noted, you then are free to leave. You may resume your normal diet and activities.

Most often, initial findings are sent to your doctor within 48 hours. A full report follows in about 5 business days.

If you have questions about this test, please call the Vascular Lab at 312-926-2746.

Health Information Resources

For more information, visit one of Northwestern Memorial Hospital's Health Learning Centers. These state-of-the-art health libraries are located on the third floor of the Galter Pavilion and on the first floor of the Prentice Women's Hospital. Health information professionals are available to help you find the information you need and provide you with personalized support at no charge. You may contact the Health Learning Centers by calling 312-926-LINK (5465) or by sending an e-mail to hlc@nmh.org.

For additional information about Northwestern Memorial Hospital, please visit our Web site at www.nmh.org.

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Developed by: Vascular Laboratory

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