

## Venous Duplex

### What is a venous duplex?

A venous duplex is a painless, noninvasive test that shows how blood is moving through the veins of your arms and legs. A venous duplex combines two types of ultrasounds to produce images that show how blood is moving. The sonographer is able to see the speed and direction of your blood flow and where your blood flow may be blocked. This test is commonly used to search for blood clots and to examine varicose veins.



The ultrasounds used during this procedure are:

- B mode ultrasound – High-frequency sound waves create pictures of the veins within your arms and legs.
- Doppler ultrasound – High-frequency sound waves determine the speed and direction of blood flow in the veins and arteries.

### Why did the doctor order this exam for me?

- Search for deep vein thrombosis (blood clots)
- Examine varicose veins (veins with an unusual pooling of blood)
- Determine the cause of leg swelling

### What do I need to do to prepare for this exam?

No special preparation is needed for the exam.

### What should I expect from this exam?

The sonographer will ask questions regarding your medical history and the problems you are experiencing. You will lie on your back with your head slightly elevated. You may need to change into a gown. The sonographer will apply a gel, to the area of your body being examined. This produces clear images on the computer screen. A transducer (ultrasound probe) is moved over the area being tested. This test takes approximately 60 minutes to complete.

**Who will perform the exam?**

A registered sonographer will perform the exam in the Imaging department.

**How will I get the results of the exam?**

You will receive your results from your ordering physician. This may take 3-5 days for the office to contact you. Please contact your provider if it has been longer than 5 days.

**Contact the Imaging department for any questions prior to your exam, 217-762-1820.**