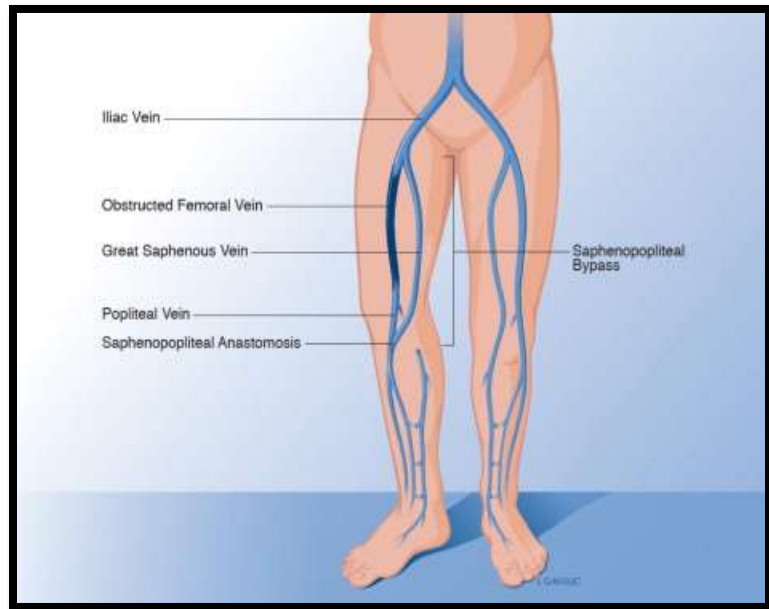


Saphenous Vein Mapping Ultrasound

Your doctor has requested an ultrasound of veins in your legs. Ultrasound is a procedure that uses sound waves to "see" inside your body.

This procedure is performed to create a "map" of your leg veins for the surgeon in preparation for various procedures that will include bypass graft surgery (replacing diseased vessels in your body with the healthy vein from your leg).



During Your Exam

- The vascular technologist will explain your exam and answer any questions you may have.
- Your procedure will be performed with you lying on the examination table on your back with your hands at your sides or on your stomach.
- The technologist will apply warm gel to your legs.
- A transducer, a small device similar to a microphone, will be placed over various locations on your legs.
- You will not feel any pain; however, you will feel mild pressure from the transducer.
- Sound waves will bounce off the muscle and tissue in your body. This creates "echoes." The echoes are reflected back to the transducer. A television monitor shows images as the transducer converts the echoes to electronic signals. These images may be viewed immediately and/or photographed for further study.
- You may hear unusual sounds as the technologist views and records the blood flowing through the veins and arteries in your legs.
- The technologist will measure your leg vein and mark your skin to show your surgeon the exact location of your vein. You should not remove these marks; they are needed by the surgeon.

How should you prepare?

- There is no preparation for this procedure.
- The test takes approximately 45 minutes.