



## HEART SCIENCES CENTER

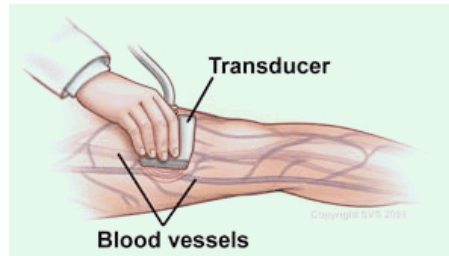
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### ARTERIAL/VENOUS DUPLEX IMAGING

#### What is Arterial/Venous Duplex Imaging?

Arterial or Venous Duplex Imaging is a combination of ultrasound images (pictures) and Doppler ultrasound (sounds). Ultrasound imaging of the arteries shows the type of plaque, the location and the extent of the disease. Doppler ultrasound analyzes the blood flow in the arteries. Ultrasound imaging of the veins will show the presence of blood clots in the veins and the presence of vein insufficiency (lack of elastic response). This is a painless procedure. The technologist will apply a small amount of gel to the skin of your arm or leg and will place an ultrasound probe on your extremity. You may hear sounds that are sounds of blood flowing through your veins and arteries.



#### Why do I need to have this procedure done?

To detect slow blood flow, blood clots and/or narrowing in the arteries or veins of your extremities.

#### How should I prepare for the procedure?

- Don't smoke or use any form of nicotine for 2 hours before the test.
- You will need to lie very still during the procedure.

#### Is there anything specific to do after the test?

No special care is required after the test. You may return to your usual activity level and diet, unless the doctor has instructed you otherwise.

Please don't hesitate to call our office at (480) 612.0640 if you have any questions or concerns.