

Imaging Department

Lower Extremity Arterial (LEA) Screening-Complete Segmental Limb Pressure (SLP) and Pulse Volume Recordings (PVR)

Your doctor has ordered a Lower Extremity Arterial (LEA) Complete Screening. This is an examination of the arteries in your legs and how the blood is flowing through them. There are a few things you should know before you arrive to the Ultrasound department.

PREPARATION: None. You may eat, drink, and take all medications normally. Bring comfortable shoes to walk in. The exam *may* require a “stress” portion where you will walk (if you are able to do so).

BEFORE THE TEST: For your safety you will be asked a number of questions by the sonographer and/or radiologist. Possible questions include, but are not limited to:

- What kind of symptoms are you having?
- Medical history?
- Any previous surgeries?

THE TEST: You will be asked to lay on your back for the procedure. The sonographer will apply gel and rub a camera on your legs to evaluate the arteries. She will also apply blood pressure cuffs to your upper arms, thighs, calves, ankles, and great toes of each leg. This exam may cause minimal discomfort when the blood pressure cuffs are inflated to a high pressure for a brief amount of time. This is tolerable for most patients. You will need to lie in position for about 30-60 minutes. If you become uncomfortable, the sonographer will attempt to make you more comfortable.

Treadmill/Stress: If you are able, you will be asked to walk to your speed and ability on a treadmill, for a maximum of 5-7 minutes. Afterwards, additional measurements with blood pressure cuffs are taken.

AFTER YOUR TEST: The sonographer must take 5-10 minutes to review your images with the radiologist, to make sure no additional imaging is needed before you leave. There are no restrictions from the Ultrasound Department after your test.

RESULTS: The radiologist will study your images in great detail and dictate a report. It will then be transcribed for your physician and faxed to his/her office within 48 business hours so that he/she may review and discuss it with you. Your sonographer is unable to give you results at the time of testing.

Every effort will be made to make you as comfortable as possible during your examination. If you have any questions or concerns, please direct them to the imaging staff at (574) 364-2819.

Appointment Date/Time: _____