



Professional Ultrasound Imaging

2921 Brown Trail Road, Suite 150
Bedford, TX 76021

Cardiovascular (CV) disease remains the number one cause of death in the United States. Women are now nearly as likely to develop CV disease as men. Most Americans are completely unaware that they even have it.

Professional Ultrasound Imaging (PUI) is pleased to offer screening blood pressure, echocardiography, ankle/brachial pressure indices and carotid artery ultrasound examinations as an important part of your overall preventative health care and wellness program.

PUI is a local healthcare company that has been in business since 1995. We have been involved with comprehensive screening programs for cardiovascular disease since 1998. We have participated in the Dallas Fire Department and Dallas Police Department Health Fair since 1998, screening thousands of firefighters, police officers and their family members. To learn more about our company, please feel free to visit our websites at www.mobilepui.com

Following is a brief description of each of these cardiovascular screening tests:

Echocardiogram



Echocardiography Screening No special preparation is necessary

Your heart is the hardest working organ you have. Echocardiography is the examination preferred by physicians to assess the overall function of your heart. This includes a Doppler examination of all four cardiac valves, as well as 2 dimensional and M-Mode evaluation of the contractility abilities of the ventricles. Evidence of valvular stenosis (narrowing), regurgitation (blood flow moving in the wrong direction), or abnormal ventricular wall function can be visualized. This test is not a good indicator of sub-clinical coronary artery disease (CAD). A stress test would be a better screening exam for CAD.

Purpose of this test: To evaluate the overall function of the heart.

How the test is performed: A small amount of ultrasound gel is placed on your chest, then a small instrument called a transducer is moved around on your chest to produce ultrasound images.



Blood Pressure Screening No special preparation is necessary

High blood pressure is one of the leading causes of cardiovascular disease. High blood pressure can lead to stroke, heart disease and peripheral vascular disease. Stroke is the third leading cause of death behind heart disease and cancer. Most people with high blood pressure do not even realize that they have it (asymptomatic). Early detection and treatment of high blood pressure can help to reduce the risk of stroke, heart disease and peripheral vascular disease.

Purpose of this test: To determine the presence or absence of hypertension (high blood pressure).

How the test is performed: A blood pressure cuff is placed over your arm and inflated. A stethoscope is used to listen for the start for the blood flow to obtain pressure readings.



Ankle/brachial pressure indices. No special preparation is necessary

The connection between peripheral arterial disease (legs) and cardiovascular disease (heart) and cerebrovascular disease (brain) has been well established. That means that if a person has blockages in the arteries of the legs, they most likely have blockages in the arteries of the heart and the arteries that lead to the brain as well. The ankle/brachial index is a good predictor of subsequent cardiovascular events. It is simple and accurate and should be included in routine screening of cardiovascular status.

Purpose of this test: To compare the blood pressure of the arms to that of the legs to establish if a person is at risk for peripheral vascular disease.

How the test is performed: A blood pressure cuff is placed on each arm and ankle then inflated. A Doppler device is then used to establish a systolic pressure reading.



Stroke Screening No special preparation is necessary

Stroke, “sometimes referred to as a brain attack”, is the third leading cause of death behind heart disease and cancer. Disability from stroke is the number one reason for nursing home admissions. 75% of all strokes are the result of carotid artery disease. New research estimates about 700,000 Americans will suffer strokes annually - or about 40% more than the usually accepted estimates and this could double over the next half-century.

Purpose of this test: To identify the presence of atherosclerosis (hardening of the arteries) in the carotid arteries, the main blood supply to the brain. Carotid artery disease is responsible for approximately 75% of all strokes.

How the test is performed: A small amount of ultrasound gel is placed on your neck, then a small instrument called a transducer is moved around on your neck to produce ultrasound and Doppler images.

**The cost of this comprehensive screening assessment is \$120.00 per person
These examinations would cost between \$1500 - \$2500 in a hospital or clinic setting**

We accept cash, check, Visa, MasterCard, Discover and American Express Cards.



Because these are screening examinations, we are unable to bill Medicare or Insurance. We will gladly provide you with an appropriate receipt that may help you get reimbursement from your cafeteria plan.

All exams are non-invasive and painless, and take approximately 10 to 15 minutes to perform. After physician review, results are mailed to each participant in approximately 7 to 10 days.