

The Science of IMT

The artery from the heart to the brain, known as the carotid artery, is widely accepted as the ideal indicator for the early detection of heart disease. The carotid artery mirrors change in disease progression of the coronary arteries that surround the heart.

The carotid artery illustrates the earliest signs of arterial wall thickening and lesion development. Atherosclerosis is the name of the disease. Intima-Media Thickness (IMT) of the artery wall is one of its major manifestations – lesions within the artery are another. The result is an obstruction of the arteries or spontaneous rupture of the lesion. The consequence, in addition to those that can significantly affect your quality of life, is a stroke or heart attack that can result in sudden death.

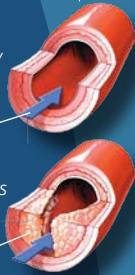


Normal Artery

Blood flow

Atherosclerosis

Plaque



Heart Disease CAN Be Reversed

Should you learn you have heart disease, a comprehensive lifestyle change can sharply reduce your risk of heart attack or stroke. When you aggressively work to manage your risk factors, you can make a vital difference in stopping, slowing or reversing the progression of heart disease. Consult with your physician about the best course of action for you.



***The sooner you know,
the healthier you can be.***

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***Patient's Life-Saving Guide
to Diagnosing Heart Disease
& Restoring Heart Health***



You may not know you have heart disease.

We can tell you if you do...

and how to undo the damage!

 **HeartSmart** IMT^{plus}[™]

Early Detection Leads to Prevention

Protect your heart health... predict your risk... prevent a heart attack or stroke.

Heart disease is the No. 1 killer of both men and women, claiming more lives than the next five leading causes of death combined – including cancer.

For most people, the first symptom of cardiovascular disease is a heart attack — *and one out of four first-time heart attacks is fatal.*

HeartSmart IMTplus™, in partnership with your physician, can identify heart disease – as well as its extent and severity – that would otherwise go undetected.

HeartSmart IMTplus™

Effective. Accurate. Painless. Noninvasive.

HeartSmart IMTplus™ is a newly available diagnostic method for the early detection of heart disease. It assesses the presence and progression of cardiovascular disease at its earliest stages. *HeartSmart IMTplus™* is the most predictive test available for calculating an individual's likelihood of suffering a heart attack or stroke.

The IMT test is endorsed by the American Heart Association and the American College of Cardiology as a proven technique for the early detection of heart disease.

“Our focus has always been on quality – to get the best and most accurate data for each report – so that we can do what we are trained to do... impact and save lives.”

*Jacques D. Barth, MD, PhD, FACC, FAHA
Founder & Chief Medical Officer*

Life-Saving Results

Identify and treat problems while you can still rewrite history!

Everyone is at risk for cardiovascular disease. *HeartSmart IMTplus™* is vital for understanding the state of your cardiovascular health. Make it part of your annual preventive care.

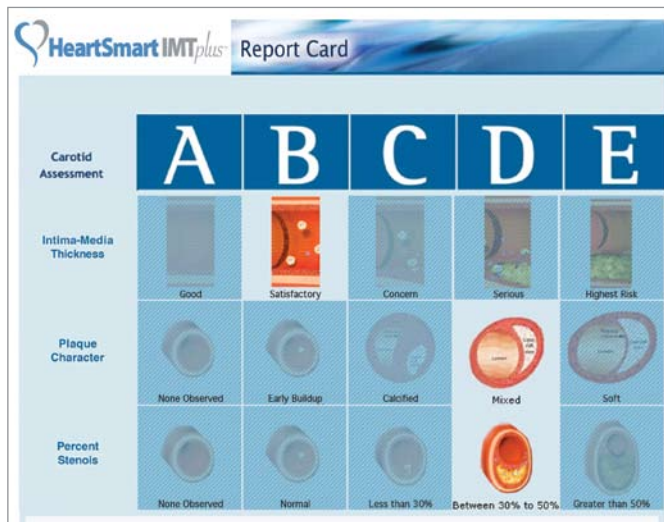
Quick. Safe. Convenient.

HeartSmart IMTplus™ utilizes ultrasound, the same safe imaging used on expectant mothers with no exposure to radiation. It is quick and convenient – taking approximately **10 minutes** and easily performed in your doctor's office.

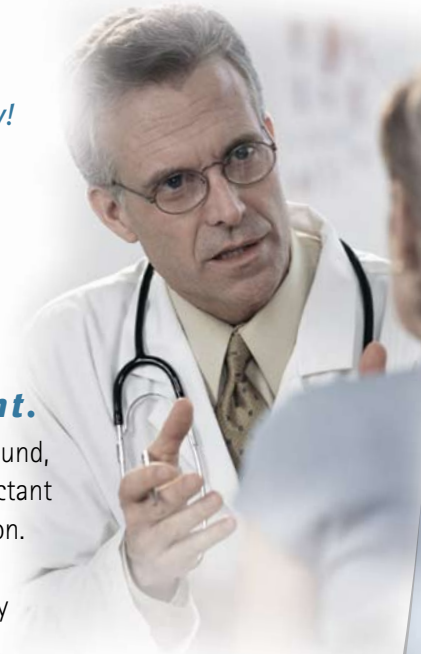
Understanding Your Results

Your detailed report leaves little room for misinterpretation. It is an easy to understand, comprehensive report card of your cardiovascular health.

Your report card will also include the ultrasound image illustrating where heart disease may have been detected.



	A	B	C	D	E
Carotid Assessment	Good	Satisfactory	Concern	Serious	Highest Risk
Intima-Media Thickness	Good	Satisfactory	Concern	Serious	Highest Risk
Plaque Character	None Observed	Early Buildup	Calcified	Mixed	Soft
Percent Stenosis	None Observed	Normal	Less than 30%	Between 30% to 50%	Greater than 50%



Risk Factors

Many risk factors for heart disease are related to unhealthy lifestyle choices – including smoking, physical inactivity, excessive weight, high cholesterol and high blood pressure. Other risk factors for developing heart disease include age, diabetes, and family history.

Risk Assessment

Risk factors do not tell the whole story.

One third of all heart attacks occur in people who have normal cholesterol levels. Studies indicate that one particular risk factor or known combination is NOT a definitive predictor. *HeartSmart IMTplus™* looks at the actual progression of the disease and offers an accurate picture of your cardiovascular health.

The prevention of heart attack or stroke may not only save your life, it can avoid the emotional turmoil and expensive treatment following such an event.

Please speak with your physician to schedule your HeartSmart IMTplus™ today – it can save your life or the life of a loved one.

