

**COMPREHENSIVE
CARDIAC
IMAGING
CAPABILITIES**



RIS
RADIOLOGY AND IMAGING SPECIALISTS



Coronary Calcium Score

5X more accurate
than other risk
assessment methods

Regina Ason, M.D.
Diagnostic Radiologist
Specialty: Body and Cardiac Imaging

CORONARY CALCIUM SCORE

Clinically shown to be five (5) times more accurate than other risk assessment methods at predicting which patients are at risk for coronary artery disease, the coronary calcium score is superior to all other non-invasive risk assessment methods, such as cholesterol and blood pressure measurement.

According to a 2018 report in the *Journal of the American College of Cardiology*, "Coronary Artery Calcium scoring has emerged as a widely available, consistent, and reproducible means of assessing risk for major CV outcomes, especially when planning primary prevention interventions such as statins and aspirin. CAC testing in asymptomatic populations is cost-effective across a broad range of baseline risks, and has been shown to positively impact patient compliance."¹

"At just \$100, this test is affordable for your patients and can help you gain critical insight into their cardiovascular condition."

— Regina Ason, M.D.

CORONARY CT ANGIOGRAPHY

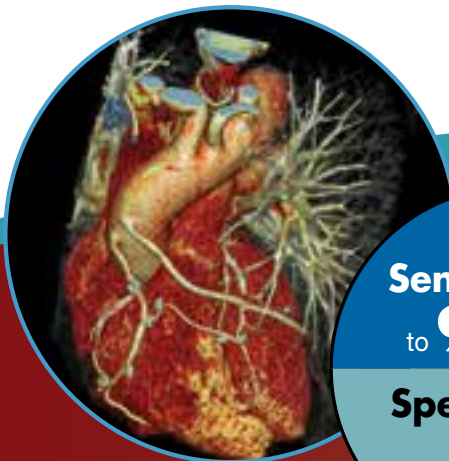
For patients with acute or chronic chest pain, CT Angiography is a non-invasive way to accurately image the coronary arteries without the need for an interventional angiogram. It provides a comprehensive assessment of cardiovascular anatomy for the presence of coronary artery disease.

Three-dimensional volume-rendered images are useful for assessing the relationships among different anatomical structures, as well as quantifying atherosclerotic coronary plaques. Numerous clinical studies have demonstrated CTA sensitivity of up to 95% and specificity of up to 98%.

NUCLEAR MEDICINE - CARDIAC AMYLOIDOSIS TECHNETIUM-99M PYROPHOSPHATE (Tc 99m PYP)

Technetium-99m pyrophosphate (Tc 99m PYP) imaging is a noninvasive and less expensive alternative to endomyocardial biopsy for diagnosing cardiac transthyretin amyloidosis (ATTR).

Differentiating between amyloid variants is important for prognosis, therapy and genetic counseling. Consider in patients with unexplained heart failure, increased left ventricular wall thickness, unexplained neuropathy or bilateral carpal tunnel syndrome. Tc-99m PYP imaging has shown a 98.2% specificity and a 92.3% sensitivity in diagnosing ATTR.



CTA
Sensitivity of up
to **95%** and
Specificity of up
to **98%**.



Christian Schmitt, M.D.
Diagnostic Radiologist
Specialty: Nuclear Medicine

¹ Greenland P, Blaha MJ, Budoff MJ, Erbel R, Watson KE. Coronary Calcium Score and Cardiovascular Risk. *J Am Coll Cardiol* 2018;72:434-447.

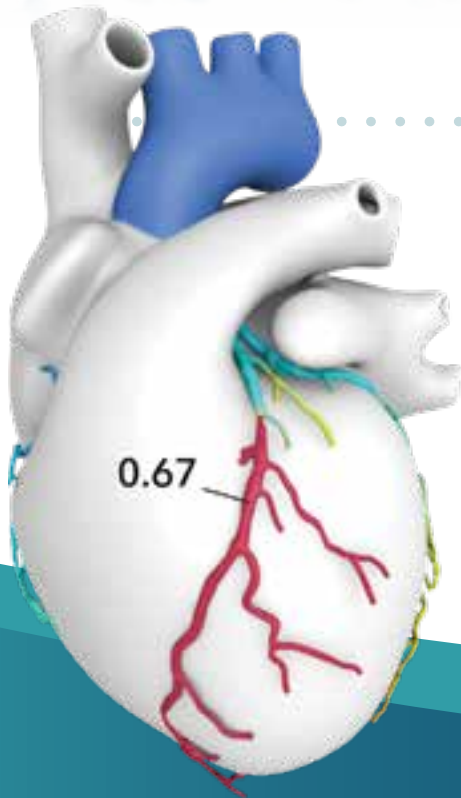


ECHOCARDIOGRAM

For the convenience of referring physicians, we offer echocardiograms at RIS. When you need to evaluate blood flow through a patient's heart chambers, valves and blood vessels, our Central Lakeland location performs this test at some of the most competitive pricing in the region. Expert interpretation is provided by a board-certified cardiologist on staff.



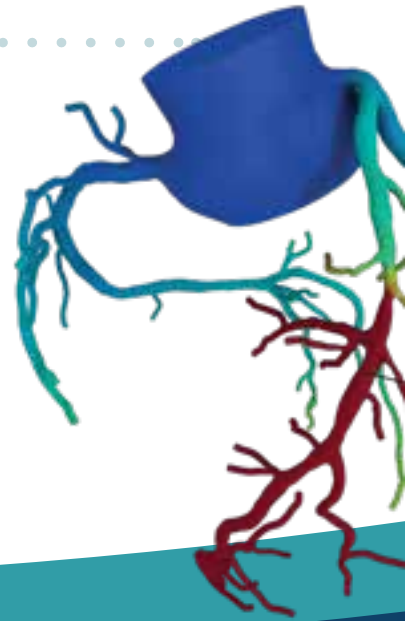
We can accommodate your patients on short notice, and will have test results to you within 48 hours or less from the time of their test.



HEART FLOW

Using the imaging data obtained from coronary CT angiography, HeartFlow can non-invasively measure the impact blockages are having on blood flow. The HeartFlow FFRct (fractional flow reserve CT) uses sophisticated software to create a personalized 3D model of the heart and calculates a mathematically derived quantity computed from simulated pressure, velocity and blood flow information.

The PLATFORM study demonstrated that FFRct reduced invasive catheterizations and costs, while achieving equivalent clinical outcomes and quality of life, compared with conventional care.



"For patients with stable CAD, HeartFlow is comparable to traditional FFR measurement for identifying vessel-specific ischemia and can help guide better treatment decisions."

— Regina Ason, M.D.



ABOUT RADIOLOGY AND IMAGING SPECIALISTS (RIS)

RIS is Central Florida's local, physician-owned radiology group. Our team of over 30 board-certified physicians includes specialists and subspecialists in all aspects of diagnostic and interventional radiology.

In addition to our various outpatient imaging centers, we are affiliated with Lakeland Regional Health, Winter Haven Hospital, Lake Wales Medical Center, Heart of Florida Hospital, Manatee Memorial Hospital, Lakewood Ranch Medical Center, South Florida Baptist Hospital, Gessler Clinic and Bond Clinic.

Our physicians, administration and staff strive to build a community practice dedicated to the highest levels of quality clinical care and customer service. We are a true partner to referring physicians, always available, exceptionally responsive and professionally courteous.

For more information, or to schedule a consultation with one of our radiologists, please call (407) 847-9674.

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