

## CORONARY ARTERY DISEASE: MR IMAGING

Investigators at the FLORIDA INSTITUTE FOR ADVANCED DIAGNOSTIC IMAGING are conducting extensive research in the diagnosis of coronary artery disease using MRI. MRI has excellent potential to become a noninvasive test used to diagnose disease of the coronary arteries. Ongoing research efforts and opportunities for patient participation are discussed below.

### INVITATION:

Patients are currently being invited to participate in a research study focused on obtaining magnetic resonance imaging (MRI) of the coronary arteries. The coronary arteries are the main blood vessels that supply blood and nourishment to the heart muscle. Some people are at risk for developing coronary artery disease, which causes these blood vessels to become blocked or narrowed. When these blood vessels become blocked or narrowed, the heart muscle does not receive the nourishment it needs. If the blood vessel becomes completely blocked, a heart attack can occur causing death to certain areas of the heart.

Currently, one way to see the arteries of the heart is through an invasive procedure called a Coronary Arteriogram. This procedure requires that a catheter, or wire, be placed into the arteries in order to image the blood vessels. This research is aimed at developing a method for imaging the coronary arteries, which is as effective as an arteriogram but is not invasive.

### PERSONS ELIGIBLE FOR CORONARY MRI INCLUDE :

Patients who are suspected to have coronary artery disease, and who are scheduled to have or have had a traditional catheter coronary arteriogram.

Patients who have had Coronary CT angiography.

If you are interested in having your coronary arteries imaged using Magnetic Resonance Imaging (MRI) please contact Lori Brienza, R.N., or Tina Strobbel, R.N., M.B.A., Clinical Research Nurse Coordinators.

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