

THE IMAGING CENTER



CTA or Coronary CT Angiography represents the newest most innovative advance in the field of imaging, a service which The Imaging Center has now offered since September 2005. This is exciting technology as it provides physicians the opportunity to detect Coronary Artery Disease in many cases when other tests are negative or inconclusive, including coronary Arteriography, an invasive procedure with some associated risk, as well as stress tests such as the commonly performed Cardiolute study.

A 10 SECOND HEART SCAN COULD SAVE YOUR LIFE

The majority of heart attacks occur in patients under 65 years of age, in fact, they can occur in patients under 50 in those who have a strong family history. Other risk factors including elevated cholesterol, diabetes, excess body weight, hypertension, known atherosclerotic disease of other arteries such as the neck (carotid arteries) and legs (peripheral vascular disease), and

smoking further increase the chance of heart disease.

Approximately 500,000 patients have heart attacks each year who did not know they had heart disease, and approximately 50 percent die. This is due to the fact that the symptoms of coronary disease can be confusing and atypical, especially in women.

Fortunately there now is a simple non-invasive study (contrast injection into a vein) that can prevent many heart attacks and deaths from the number one cause of mortality in the U.S.

Atherosclerosis of the coronary arteries begins as an inflammatory lesion beneath the surface of the vessel, producing an initial soft plaque or atheroma (fatty deposit) which is vulnerable to rupture or erosion of the overlying intima (lining), in turn leading to thrombosis (blood clot) and occlusion. This acute event results in a heart attack that may be life threatening, especially when striking without any prior warning.

Early detection of this plaque can allow physicians to more effectively treat patients, thereby reducing the likelihood of both short-and long-term complications. This is possible as

CCTA allows us to visualize not only the lumen (center), but also the wall of the vessels supplying the heart muscle.

CCTA is the most sensitive and specific study in detecting significant coronary disease. Most important is the fact that a negative examination excludes significant coronary disease with an extremely high degree of accuracy, approaching 100 percent. The study is performed as a simple outpatient procedure.

Findings on this study can be extremely beneficial in deciding specific subsequent studies and therapy that may include medical treatment only, referral for stress test correlation when significant disease, especially partial blockage, is found, as well as subsequent assessment by coronary Arteriography for either angioplasty/stent or coronary bypass procedures.

In addition, this study can evaluate patients who have had either prior angioplasty/stent or coronary bypass procedures who present with recurrent symptoms, as CCTA is accurate in determining blood flow through grafts and stents.

The Radiologists staffing The Imaging Center both have substantial prior experience in cardiac imaging as well as additional training in the performance and interpretation of CCTA examinations, including over 500 cases at The Imaging Center. Dr. Robert A. Conner has had prior experience in the performance of cardiac catheterization procedures prior to the advent of this remarkable new technology, background he finds quite helpful in correlating findings of these two complementary diagnostic studies. Dr. Edward C. Weber is on the Clinical Staff at the Fort Wayne Indiana University Medical School Campus.

The Imaging Center also specializes in performing large and claustrophobic patient MRIs, the scanner a high field strength magnet specifically designed for this purpose (short open bore). Other imaging procedures available include: X-ray – Fluoroscopy – Ultrasound – Vascular Imaging – CT/CTA – Mammography – US and Stereotactic Outpatient Breast biopsies – Nuclear Medicine – DEXA Osteoporosis Screening.

The physicians and breast imaging staff are excited about recent advances in MRI Breast Screening that offer increased accuracy in detecting early breast cancer. The following higher-risk patients are now covered by insurance and meet current American Cancer Society guidelines:

- BRCA1 or BRCA2 genes
- Relative with BRCA genes
- Prior chest radiation treatment between 10 and 30 years old
- 20 to 25 percent lifetime risk for breast cancer (free assessment at The Imaging Center)

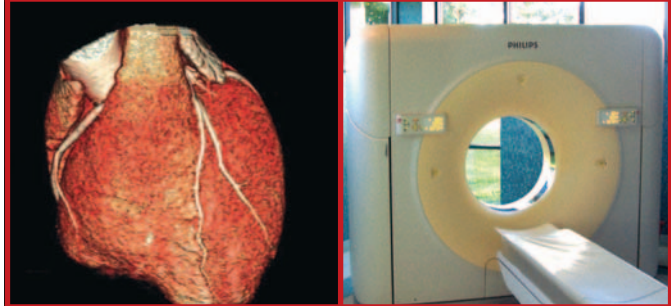
The MRI charge has been reduced for patients who may not meet current indications for insurance coverage.

Since opening in June of 1992 the mission has been to provide the most efficient outpatient imaging in a patient friendly environment. Feedback from our patients indicates a high degree of success in achieving that goal.



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CONCERNED ABOUT YOUR HEART?



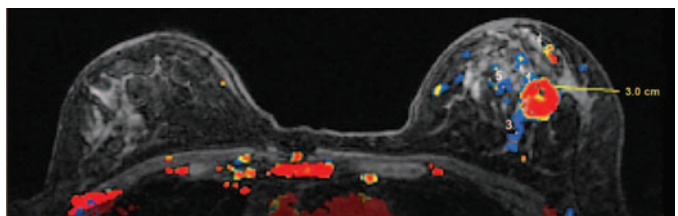
CALCIUM SCORING \$99

A calcium score provides a measure of the relative risk of significant coronary occlusive disease. It measures the total amount of calcium within the coronary arteries — the arteries supplying the muscle of the heart. This score is useful when combined with other known Framingham risk factors such as family history, smoking history, lifestyle, diet, weight, hypertension, diabetes and the cholesterol profile. If there is any calcium present, a more complete CCTA assessment may be necessary to determine the true extent and significance of any coronary artery disease.

CCTA \$575

Cardiac Computed Tomography Angiography

CCTA (Coronary CT Angiography) is a CT study that accurately visualizes the surface arteries supplying the heart muscle. We have diagnosed many patients with Coronary Artery Disease not detected by other methods. The majority of heart attacks occur in patients under the age of 65. Coronary Artery Disease is the number one cause of death in the US. Approximately 500,000 people have heart attacks each year that did not have a known prior diagnosis of heart disease. The death rate in these patients is 35 to 50 percent. CCTA is currently the most sensitive and specific study in diagnosing Coronary Artery Disease.



New software in MRI breast screening reveals detailed images.