

Special Instructions:

Your appointment is scheduled for:

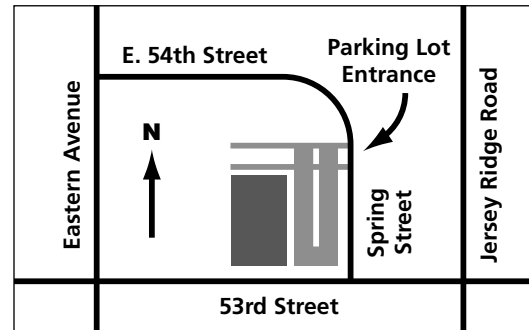
Day: _____

Time: _____

If you cannot keep this appointment, please call (563) 359-3931 to cancel or reschedule.

Driving Directions

1970 E. 53rd St., Davenport



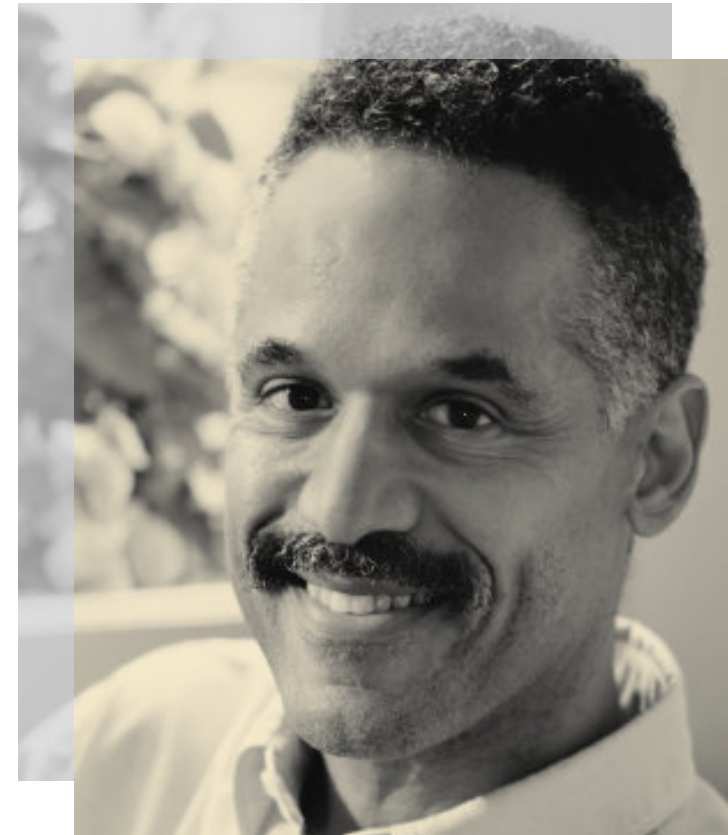
If you are approaching from the East:

Turn right on Spring Street (just west of TPC's building). Our parking lot entrance will then be on your left.

If you are approaching from the West:

Turn left (north) on Eastern Avenue at the stop-light. Proceed two blocks to 54th St. and turn right. Follow 54th St. as it runs into Spring St. Our parking lot entrance will be on your right before you reach the stop sign at 53rd St.

CT Coronary Angiography



RG
Radiology
Group p.c., s.c.
Imaging Center

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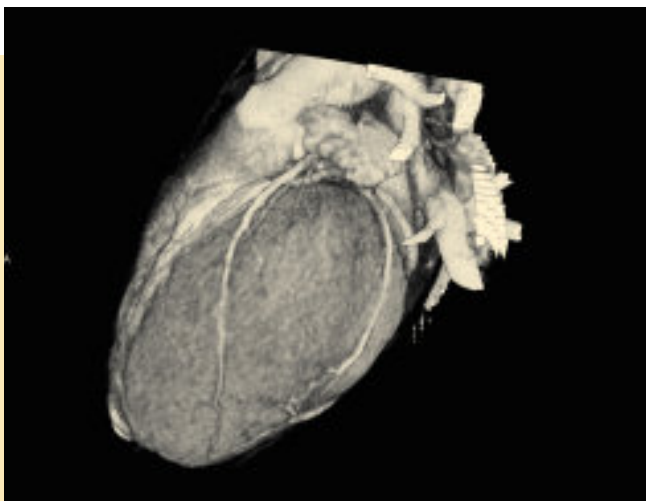
1970 East 53rd Street, Davenport, IA 52807
Tel: 563.359.3931 • Toll-free 800.556.9437
www.rgimaging.com

What is CT Coronary Angiography?

CT Coronary Angiography is an incredible new non-invasive outpatient procedure that provides detailed visualization of the heart's arteries. It can be performed quickly, comfortably, and more affordably than standard coronary angiography. The images are very similar to those provided by invasive heart catheterization, without catheters and the need to insert equipment into the body. Only an IV line and a small amount of contrast are required, so there is minimal risk. This new procedure takes advantage of the advances made in CT scanning and software processing technology, and allows for the creation of three-dimensional images of the heart.

What can be seen by doing the exam?

The CT Coronary Angiogram gives precise pictures of how the blood is flowing through the arteries and whether there are any restrictions in the blood flow. Soft plaques may be seen, which may or may



not have calcium deposits. With the Radiology Group's CT scanner, 16 separate pictures of "slices" are produced with one revolution of the imaging camera. The resolution and definition of the CT scan is so fine that blockages or plaques can be visualized just as in a coronary angiogram. In many cases, the actual composition of the plaque can be identified.

What will I experience during the procedure?

No hospitalization is required and the entire procedure lasts only about 30 minutes. The actual scan itself only takes about 15 seconds, and you will remain fully clothed. First, a regular IV is placed in your arm and contrast dye is injected. Next, you hold your breath for 10 seconds while pictures are taken of the heart. There is no long catheter threaded into the internal structures as with the traditional catheterization procedure, thus reducing the risk of side effects. The IV is taken out after the procedure and you can go home.

What is IV contrast?

IV contrast is an iodine-based solution that is injected into your veins and appears very bright (white) on a CT image. This material allows for enhanced visualization of the blood vessels in your body. IV contrast is filtered from your blood by your kidneys and will be passed, unnoticed, from your body in your urine.

Is there any special preparation required?

Depending on your individual case, you may be required to take a medication to slow your heart the morning of the study. You should not experience any side effects from this. You

may be asked to fast for a few hours before the study and refrain from drinking caffeinated beverages. Lab reports will be required prior to the study, if they haven't been done lately, to assess your kidney function.

Who should have this procedure?

The ideal candidate for CT Coronary Angiography is:

- An adult under age 45 with high risk factors and no symptoms for coronary disease
- An adult under age 45 with low risk factors and symptoms for coronary disease

What are common uses of the procedure?

Generally, only patients who are unlikely to need stents or angioplasty have CT angiography.

CT Coronary Angiography is best for:

- Patients with unusual chest pain syndromes
- Patients with questionable stress test results
- Pre-op evaluation of arteries before a surgical procedure
- A monitor of patients who have had stent placements or open-heart surgeries in the past to determine if the stents or bypass grafts are still open
- Evaluation of congenital heart abnormalities in adults

When will I receive my exam results?

A Radiologist will review the results of our CT Coronary Angiogram scan and will report the findings to your doctor. Your doctor should have access to your exam results in 24 to 32 hours.