

Charter Radiology

is pleased to announce the expansion of our diagnostic imaging services with the recent installation of the new **Siemens SOMATOM® Perspective 128 –slice CT scanner.**

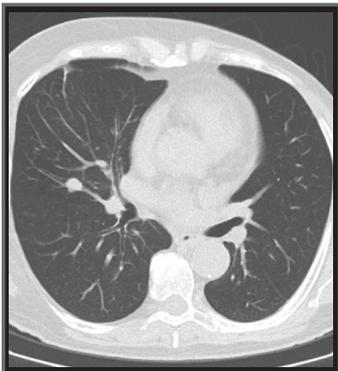


Our Scanner Offers:



Intricate Diagnostic Details

- 128-slice CT scanner allows for fast scanning speed.
- Highly detailed imaging with higher resolution and better image quality. The ability to visualize smaller structures.
- The increased scanning speed helps to reduce the need for breath hold, especially critical for imaging trauma, elderly and pediatric patients.



Advanced Dose Reduction Features

- State-of-the-art **SAFIRE*** image reconstruction software **allows for up to 60% dose reduction** across a wide portfolio of clinical applications.
- Innovative technology automates dose according to patient size, weight, and the anatomy being imaged.
- Charter Radiology is the only out-patient center in the surrounding areas to install a CT scanner with this dose reduction technology.

Patient-Friendly Design

- Automated technology helps allow the technologist to spend less time at the machine and more time with the patient.
- Patient-friendly design allows for excellent access and patient positioning.
- **The only 128-slice CT in Carroll County**

Contact us to schedule an exam:

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In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. The following test method was used to determine a 54 to 60% dose reduction when using the SAFIRE reconstruction software. Noise, CT numbers, homogeneity, low-contrast resolution, and high-contrast resolution were assessed in a Gammex 438 phantom. Low dose data reconstructed with SAFIRE showed the same image quality compared to full dose data based on this test. Data on file.