# The New Standard in **Low Dose and Speed**

#### Name of Your Institution

is pleased to announce we have expanded our diagnostic imaging with the recent installation of the new Siemens SOMATOM® Definition Edge CT scanner.







### **Our Scanner Offers:**

## **Patient-Friendly Design Advanced Dose**

- Automated technology helps allow the technologist to spend less time at the machine and more time with the patient.
- 78 cm gantry and system design allows for excellent access and patient positioning and access.
- Consistent, high-quality images reduces need for re-scans.

## **Reduction Features**

- Equipped with the world's first fully integrated Stellar detector that enables low noise scans at low doses.
- State-of-the-art SAFIRE\* image reconstruction software allows for up to 60% dose reduction across a wide portfolio of clinical applications.

### **Exceptional Clinical Benefits**

- Advanced clinical cardiac and brain perfusion applications help visualize even the smallest diagnostic details.
- Fast scanning speed helps reduce need for breath hold, especially critical for imaging trauma, elderly, and pediatric patients.

### Contact us to schedule an exam:

**Facility LOGO** 

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. A911IM-CT-122522-P1-4A00