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Diagnostic Imaging Services Available at The Medical Center

- Radiology
- Cardiac Scoring
- 64-Slice CT
- Nuclear Medicine
- Ultrasound
- MRI
- Echocardiography
- Stress Testing
- Holter Monitoring
- Digital Mammography
- Angiography
- Diagnostic Imaging
- PET/CT
- CT-3D Treatment Planning
- Vascular Imaging
- Bone Densitometry
- Stereotactic Breast Unit
- Triple Head Nuclear Camera

New PET/CET at The Medical Center Provides Greater Accuracy, Confidence

The Medical Center's Diagnostic Imaging Center now offers physicians access to the latest PET/CT imaging technology, enabling them to make the most confident and informed diagnoses. The Biograph™ mCT imaging system from Siemens integrates the first advanced high definition PET platform with the world's first Adaptive Spiral CT for a new level of integrated imaging.

"The main advantages for patients and physicians are the overall accuracy and confidence in diagnosing disease and evaluating response to therapy," said Jeffrey Brannick, M.D., Chief of Radiology at The Medical Center. "The new PET/CT provides higher quality imaging with much higher resolution."

The high definition PET technology delivers razor sharp images that are uniform, highly detailed with 2 mm resolution across the entire field of view (FOV), and has an unprecedented 2x and 4x improvement in the signal-to-noise ratio. At the same time, the system's unparalleled CT technology features a molecular contrast option that provides additional metabolic information for even greater diagnostic certainty. The CT's super-fast rotation time and adaptive ECG-pulsing and Adaptive Cardio Sequence options also make non-invasive cardiac diagnosis more routinely available.



Jeffrey Brannick, M.D.

Patients will appreciate the sophistication of the Biograph mCT. Its precision may help more accurately localize disease and aid in therapy planning.

With an oversized bore and short tunnel, the scanner's large open scanning zone accommodates virtually any size patient and alleviates the sense of claustrophobia some patients experience in conventional PET/CT systems. The system's remarkable speed and accuracy allow the scan time to be reduced to 15-20 minutes, half the scan time of the previous PET/CT technology.

The purchase of the Biograph mCT imaging system allows The Medical Center to stay at the forefront of diagnostic imaging by employing the latest technology. In 2001, The Medical Center became the first in Kentucky to offer PET/CT and today, The Medical Center performs approximately 1,800 PET/CT scans each year.

"We are very much committed to high quality care and services for patients and physicians in the community," said Dr. Brannick. For more information or to schedule a patient for a PET/CT scan, call (270) 745-1199 or 1-800-231-9621.



The Biograph™ mCT imaging system.

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