



Positron Emission Tomography (PET/CT)

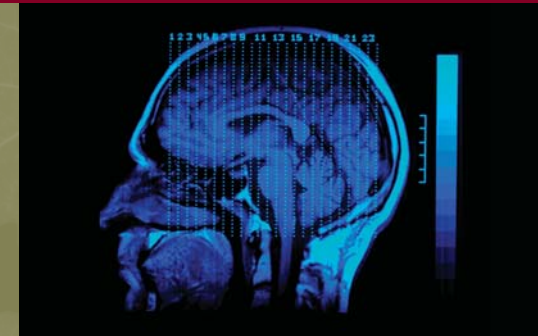
Oaklawn offers the PET/CT scanner which combines, in a single machine, both a CT and a PET scan. We utilize the newest G.E. PET coupled to an eight-slice CT scanner. The result is the fastest, most accurate PE scan available.

PET/CT is most often used for diagnosing, staging and restaging Oncology patients. We are currently offering scheduling every other Saturday, and will add availability as demand increases.

For more information please see our PET/CT Exam brochure.



Radiology Services



OaklawnHospital

Radiology

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OaklawnHospital

ADVANCING MEDICINE
COMPASSIONATE CARE

Radiology Services

“Being accredited by the ACR provides a high level of confidence for patients and referring physicians. It also provides us the best set of guidelines for all our imaging programs.”

- Sherry Boyd, Director of Clinical Services



Who we are

The Cronin Imaging Center offers complete state-of-the-art radiology services. We offer direct capture and computed radiography with digital fluoroscopy; computed tomography (CT), nuclear medicine, diagnostic ultrasound, MRI, vascular ultrasound, PET/CT, digital mammography with computer aided diagnostic technology, and dual energy x-ray absorption (DEXA) scanning.

In 2008, Oaklawn implemented a new Picture Archiving Communication System or PACS. PACS allows the radiology department to function one hundred percent filmless, and gives all physicians and the Emergency Department immediate access to patient images. Previously, film x-rays were developed and physically transported to the doctor or Emergency Department.

The Oaklawn Radiology Department is accredited by the American College of Radiology for mammography, Magnetic Resonance Imaging (MRI), CT and nuclear medicine.

Digital Mammography

Oaklawn offers full field digital mammography with Computer Aided Diagnostic technology. For more information please see our Digital Mammography brochure.

Dual Energy X-ray Absorption (DEXA Scanning)

DEXA Scanning is performed to measure Bone Mineral Density (BMD). BMD can diminish as we age, especially in women. For women with osteoporosis the monitoring of BMD is important for proper treatment.

Oaklawn's GE Prodigy Advance DEXA Scanner provides a non-invasive study for determining BMD in an exam that takes approximately twenty minutes. All women age 65 and older should be screened for osteoporosis. Women with risk factors for osteoporosis should be screened starting at age 60. Men should be screened beginning at age 70.

Computed Tomography (CT)

CT scanning – sometimes called CAT scanning – is a non-invasive medical test. CT scans of internal organs; bone, soft tissue and blood vessels provide greater clarity and reveal more details than regular x-ray exams.

Oaklawn features a 64 slice CT scanner. This machine has the capability of producing MIP/MPR (3D reconstruction), plus a comprehensive vascular and neurological imaging program. This allows the radiologists to see structural anatomy in all plains.

Diagnostic Ultrasound

Ultrasound imaging, or sonography, uses high-frequency sound waves to produce pictures of internal organs and blood vessels.

Oaklawn has three Philips iU22 Ultrasound Systems featuring superior imaging quality as well as high frequency trans-ducers used for better quality breast imaging and superficial structures. These units have the capability to perform 3D and 4D imaging and are known throughout the industry for their image quality.

Digital Radiology (X-Ray) and Digital Fluoroscopy

Oaklawn is the first hospital in West Michigan to offer the Definium 8000 direct-capture radiographic technology that provides the highest-quality images to make an accurate diagnosis at the lowest dose of radiation and distortion.

Digital Fluoroscopy uses a continuous x-ray beam to create a sequence of images that are projected onto a fluorescent screen or monitor. When used with a contrast material – barium, which clearly defines the area being examined by making it appear bright white, this special x-ray technique makes it possible for the physician to

view internal organs in motion. Still images are also captured and stored electronically.

Magnetic Resonance Imaging (MRI)

MR imaging uses a powerful magnetic field, radio frequency pulses and a computer to produce detailed pictures of virtually all internal body structures; including bone, soft tissues and organs.

Oaklawn's 750 HD Discovery 3 Tesla scanner from GE features twice the field strength of most currently installed MRI scanners. The signal to noise ratio of the 750 HD is the lowest in the industry, resulting in the sharpest images available. Oaklawn is the smallest community based hospital in the nation to have the 750 HD 3 Tesla scanner.

Vascular Ultrasound

Vascular ultrasound is performed to monitor blood flow to organs and tissues, locate and identify blockages and abnormalities, can capture in real-time the structure and movement of the vascular system.

A Doppler ultrasound study may be part of a vascular ultrasound examination. Doppler ultrasound evaluates blood as it flows through a blood vessel, including major arteries and veins in the abdomen, arms, legs and neck.

Nuclear Medicine

Nuclear Medicine is a non-invasive imaging procedure that uses small amounts of radioactive material in order to visualize the structure and function of an organ, tissue, bone or system of the body.

Oaklawn features a Phillips Forte dual head scanner and a Philips Cardio MD, that specializes in imaging and motion analysis of cardiac muscle. The Cardio MD offers a more open design for patient comfort.