

ANNOUNCING THE NEW STONY BROOK UNIVERSITY OUTPATIENT IMAGING CENTER



PROVIDING THE MOST
ADVANCED DIAGNOSTICS
FOR THE HIGHEST
QUALITY OF CARE

Call Our Dedicated Line: (631) 638-2121

 STONY BROOK
UNIVERSITY
MEDICAL CENTER

The logo consists of two overlapping circles. The left circle is red with white diagonal lines. The right circle is blue with white diagonal lines. Below the circles, the text "STONY BROOK UNIVERSITY MEDICAL CENTER" is written in a serif font.

When you need the benefit of advanced technology, innovative treatment, and compassionate care, you can find it close to home.

The new Outpatient Imaging Center at Stony Brook University Hospital provides services in a state-of-the-art 65,000 square-foot facility located on the Medical Center campus. The Center provides convenience and comfort, with easy access and spacious, bright treatment areas. The new location is the ideal setting for patients, families, and Stony Brook's healthcare professionals to partner in the management and treatment of a variety of medical conditions. The facility also houses Stony Brook University Cancer Center's outpatient services, including the Carol M. Baldwin Breast Care Center and the Pain Management Center.



STONY BROOK BARNEYS MEDICAL CENTER

Development of ReoPro, a life-saving heart medication

Discovery of the link between smoking and emphysema

Identification of 328 genes

Discovery of a new gene

Discovery of a new gene

WHY CHOOSE STONY BROOK FOR YOUR IMAGING NEEDS?

Imaging plays a crucial role in diagnosing and treating a variety of medical conditions. At Stony Brook's Imaging Center, board-certified radiologists and other radiology experts provide advanced imaging services and collaborate with other specialists to deliver optimal patient care.

STONY BROOK IS A COMPREHENSIVE MEDICAL CENTER.

Because Stony Brook is a comprehensive medical center, patients receive the added benefit of having their tests or studies interpreted by physicians who specialize in the particular areas of concern. This means that a patient's neurological testing is interpreted by a neuroradiologist; for an orthopedic problem, a musculoskeletal radiologist interprets tests, and so on. Should the healthcare team determine it is best for a patient to have diagnostic testing performed at the Medical Center, arrangements will be made with Stony Brook's Radiology Department.

STONY BROOK OFFERS ADVANCED DIAGNOSTICS.

Stony Brook is equipped with the most advanced diagnostic tools available to provide the highest quality care and improved outcomes to its patients. The new Imaging Center offers a full range of diagnostic services, from conventional x-ray to the sophisticated positron emission tomography/computed tomography (PET/CT) scan. A picture archiving and communications system (PACS) allows for rapid access to computerized (digital) images at multiple sites for both radiologists and clinicians. High-speed data connections make it possible for images to be transmitted and viewed by physicians off-site, affording the unparalleled ability for the healthcare team to consult. To streamline care, a CD containing study images is provided at the request of the referring physician.

STONY BROOK'S ADVANCED IMAGING INCLUDES:

- **Computed tomography (CT)**, often called “CAT” scan, is a system that uses special x-ray equipment to obtain image data and then uses computer processing to show a cross-section of body tissues and organs. Because CT is capable of providing detailed, cross-sectional views of all types of tissue, it is an invaluable tool in studying the chest and abdomen, and is often the preferred method for diagnosing many different cancers. CT examinations are also used to plan and administer radiation treatments for tumors and as a tool to guide physicians performing biopsies or minimally invasive procedures.

The Imaging Center is equipped with the GE Lightspeed VCT 64-slice scanner, the latest innovation in CT technology. This state-of-the-art scanner delivers images with increased accuracy and at a faster rate than any other CT scanner available. It also provides three-dimensional (3-D) views, including 3-D views of blood vessels.

- **Magnetic resonance imaging (MRI)** uses high power magnets and radiofrequency waves instead of x-rays to capture images that give physicians a literal view inside the body. MRI produces soft-tissue images and is used to distinguish normal healthy soft tissue from diseased or injured tissue. In some instances, an injection of contrast dye may be required.

The Imaging Center has two GE 1.5 Tesla magnetic resonance imaging scanners that offer increased speed, exceptional resolution, and accuracy, allowing for non-invasive diagnosis of a wide range of conditions. MRI technology is useful in diagnosing such things as multiple sclerosis, tumors of the pituitary gland and brain, strokes at their earliest stages, infections in the brain, spine or joints, and

THE NEW SITE FOR STONY BROOK'S OUTPATIENT IMAGING CENTER OFFERS:

- Bright and spacious treatment areas
- Easy access and valet parking services
- Tranquil lobbies and public spaces
- On-site food service
- A Community Resource Center

tendonitis. It is also used to visualize conditions related to sports injuries, and helps physicians evaluate masses in the soft tissues of the body, bone tumors, cysts, and bulging or herniated discs in the spine.

- A specialized **three-dimensional (3-D) workstation** equips specialists with the ability to manipulate CT and MRI images, providing three-dimensional views for the most comprehensive study and accurate diagnosis.
- **Dexa (dual-energy x-ray absorptiometry) scan** (bone mineral scan) evaluates bone mineral density, an important part of patient care. The Imaging Center is equipped with the Dexa Scan Bone Densitometer, the most up-to-date scanner used to ensure accurate test results. The scanner provides superior image quality to determine bone mineral density and to aid in the treatment of osteoporosis. Bone density scans are noninvasive, painless, and usually take no more than 15 minutes to complete.
- **Positron emission tomography/computed tomography (PET/CT) scan** is a relatively new technique that combines the strengths of PET, which shows metabolism and function of cells, with CT, which has the ability to capture detailed anatomy. The PET/CT scan allows for highly defined, three-

dimensional images of the inside of the human body, helping in the treatment of conditions such as cancer and heart disease. The PET scanner provides information about the metabolic function of cancer cells and can detect very small tumors (although it cannot indicate their exact location), while CT provides the anatomic information necessary for an accurate diagnosis. PET/CT scanner technology provides physicians with a powerful system that can help to detect and diagnose conditions such as cancer earlier and more accurately.

- **Ultrasound services** are available for sonographic needs, including breast, abdominal, pelvic, and gynecological exams.
- **Breast imaging** is performed at the Carol M. Baldwin Breast Care Center, located in the same building as the Imaging Center. The Breast Care Center is equipped with three digital mammography machines and a specialized R-2 computerized mammogram double-checker. Breast imaging specialists use the latest technology to perform minimally invasive image-guided breast biopsies, including stereotactic mammotome and ultrasound-guided core biopsies.

To schedule an appointment at Stony Brook's Outpatient Imaging Center, call 631.638.2121.



DIRECTIONS

From the West: Take Long Island Expressway (LIE I-495) eastbound to exit 62 North, Nicolls Road (Route 97). Travel approximately eight miles (crossing Route 347). Follow signs to the Hospital, then follow directions below, “From the Stony Brook South Entrance, East Campus.”

From the East: Take Long Island Expressway (LIE I-495) westbound to exit 62 North, Nicolls Road (Route 97). Travel approximately eight miles (crossing Route 347). Follow signs to the Hospital. Follow directions below, “From the Stony Brook South Entrance, East Campus.”

From Technology Park: Take Belle Meade Road (south) to Route 347/Nesconset Highway (NY-347). At Route 347, turn right (west) and proceed to Nicolls Road. At Nicolls Road (Route 97) turn right (north) and travel for approximately two miles, following signs to the Hospital. Follow directions below, “From the Stony Brook South Entrance, East Campus.”

From the Stony Brook South Entrance, East Campus: From Nicolls Road, turn right onto Health Sciences Drive. Continue to the first light and make a left onto Edmund D. Pellegrino Road (opposite the Veterans Home entrance). The Imaging Center has a dedicated entrance and parking at the far end of the building, past the Cancer Center.



Stony Brook University Medical Center is dedicated to providing excellence in patient care, education, research, and community service.

As Long Island's premier academic medical center, Stony Brook serves as the region's only tertiary care center and Level 1 trauma center. It is the home of the Stony Brook University Cancer Center, Heart Center, and the Center for Perinatal and Neonatal Intensive Care. With an exceptional healthcare team and advanced technology, Stony Brook plays a pivotal role in leading research and pioneering techniques, and provides training for medical and other healthcare professionals. To learn more about Stony Brook University Medical Center's many services, physician referrals, or appointment scheduling, call 631.444.4000, or visit www.StonyBrookMedicalCenter.org.