Angiography produces angiograms (i.e., X-ray images) of the coronary arteries and the left ventricle, the heart’s main pumping chamber.

**Cardiac Intervention**
There are several non-surgical methods used to treat blocked arteries and improve blood flow. Interventional cardiology procedures available at St. Peter’s include: Percutaneous Coronary Intervention, Intravascular Ultrasound, Angioplasty, Stents, Rotational Atherectomy, Directional Coronary Atherectomy, and Angiojet.

**Cardiac & Vascular Surgery**
St. Peter’s team of cardiac and vascular surgeons specializes in both minimally invasive coronary artery bypass surgery, as well as minimally invasive valve surgery. Both offer smaller incisions, shorter length of stay post-operatively and reduce the risk for complication after the procedure.

**Surgery for Other Cardiac Conditions**
Adult cardiac and vascular surgical procedures may include, but are not limited to, treatment of aneurysms in the chest, cardiac tumors, endografts (including endografts for abdominal aneurysms), and rhythm disturbances.

Treatment methods for rhythm disturbances can either be chemical, electrical or surgical, such as the use of pacemakers and ICD (implantable cardioverter-defibrillators) implants, as well as cardioversions and ablations for eligible patients.

**Cardiac Rehabilitation**
At St. Peter’s, we offer a three-phase cardiac rehabilitation program for hospital inpatients and former patients. St. Peter’s Rehabilitation and Wellness Program will help you recover from your heart attack or open heart surgery through a prescribed exercise program, as well as provide emotional support, education and lifestyle modification techniques.
Accolades
Since opening in 1985, we have received numerous accolades from health care and heart organizations across the country. They include:

- Recipient of the 2007 Specialty Excellence Award for Overall Cardiac Services (Healthgrades)
- Named a Top 100 Cardiovascular Hospital for seven years in a row, making it the only hospital in New York state and one of only six nationally to earn that status (Solucient Institute)
- Received Distinguished Hospital Awards for Patient Safety in 2004, 2005, 2006 and 2007 from HealthGrades. St. Peter’s Hospital is among the top three percent of hospitals nationally in patient safety
- Named a Top 100 Stroke Hospital (Solucient) and a designated stroke center by the NYS Department of Health

These accomplishments underscore our commitment to creating a culture of excellence at St. Peter’s.

Education and Screenings
St. Peter’s prides itself as being the leader in providing community services within Tech Valley. Our team of healthcare professionals perform worksite programs developed to meet a company’s specified needs.

A variety of screenings are offered for a minimal fee including: Blood Pressure, Cholesterol Levels, Pulmonary Function Screenings, Body Mass Index, Glucose Screening, Peripheral Vascular Disease Screenings and Abdominal Aortic Aneurysm Screenings.

Diagnostic Testing
St. Peter’s offers a full complement of diagnostic services, including:

Electrophysiology Procedures
Patients who experience or are at risk for abnormal heart rhythms, called arrhythmias, may need an electrophysiology diagnostic procedure.

Non-Invasive Testing
St. Peter’s offers a comprehensive diagnostic center with a focus in these areas: EKG, arrhythmia detection, exercise stress testing, nuclear stress testing, echocardiography, holter monitoring and event monitoring.

Neurodiagnostic Testing
Electroneurodiagnostics is the study and recording of electrical activity in the brain and nervous system. Testing offered at St. Peter’s includes Electroencephalogram (EEG), Evoked Potentials, Nerve Conduction Studies, and Electromyography (EMG).

Pulmonary Services
St. Peter’s provides the latest technology in its Pulmonary Function Laboratory, offering complete, comprehensive and appropriate testing for those patients suffering from lung-related illnesses. The lab is staffed by Registered Pulmonary Function Technologists. Tests offered include: Arterial Blood Gases, Pulse Oximetry Testing, Pulmonary Function Testing, Pulmonary Stress Testing, Spirometry, Methacholine Challenge and Lung Volumes.

Echocardiogram Laboratory
St. Peter’s Echocardiography Laboratory offers all aspects of cardiac ultrasound including adult echocardiograms, pediatric echocardiograms, transesophageal (TEE) echo, stress echo, dobutamine stress echo, and echo with contrast agent to enhance wall imaging. We have accreditation status with the ICAEL (Intersocietal Commission for the Accreditation of Echocardiography Laboratories).

Intervention and Treatment
Cardiac Catheterization and Angiography
Cardiac catheterization involves passing a catheter (i.e., a thin flexible tube) through an artery or a vein to the heart, and into a coronary artery. The procedure makes it possible to determine the ability of the coronary arteries to deliver oxygenated blood to the heart muscle, and to examine the heart muscle function itself.