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## Background

The Heart Institute is a renowned cardiac care facility located in Staten Island, New York. Affiliated and located at Staten Island University Hospital, which is backed by the strength of the North Shore-LIJ Health System, The Heart Institute opened in 2001 as a means to bring world-class cardiac care to its local community. Soon after opening, The Heart Institute developed a breakthrough bypass procedure called MICS CABG (pronounced mix cabbage), which has given the hospital national and international recognition as a leader in field of minimally invasive bypass surgery. Proudly fulfilling the need of a premier heart hospital for Staten Islanders, The Heart Institute has quickly grown to become a prestigious heart care facility for the NY tri-state area, as well as for many around the nation. The entire cardiac care program is one that has been built on unwavering commitment to innovation and dedication to the highest quality care.

## Staten Island University Hospital

Staten Island University Hospital is a 714-bed, specialized teaching hospital located in New York City's 5th and fastest-growing borough.

Occupying two large campuses, plus a number of community-based health centers and labs, the hospital provides quality care to the people of Staten Island, the New York metropolitan region, and to patients from around the world.

## What we offer

Today, The Heart Institute is a source for all phases of highly advanced cardiac diagnostics, treatment and services, including:

### Diagnostics:

- *Cardiac Services*
- *Surgical Hybrid Suite*
- *Noninvasive Diagnostic Services*
- *Cardiac Catheterization*

### Cardiac Procedures:

- *Atrial Fibrillation*
- *Cardiac Surgery*
- *Electrophysiology*
- *Heart Failure Treatments*
- *Calcium Scoring*
- *Cardiac MRI*
- *CTA (Coronary Computed Tomography Angiogram)*
- *PCI (Percutaneous Coronary Intervention)*
- *Balloon Angioplasty*
- *Coronary Stenting*
- *IVUS (Intravascular Ultrasound)*
- *The Impella Device*
- *Closure devices*
- *Angioplasty / Stenting*
- *Radial artery access*



### MICS CABG – The McGinn Technique

MICS CABG, or the McGinn Technique, is short for minimally invasive cardiac surgery/coronary artery bypass grafting and is an off-pump, multi-vessel coronary artery bypass procedure. The McGinn Technique is named for its pioneer, esteemed cardiothoracic surgeon and Medical Director at The Heart Institute, Dr. Joseph McGinn. The procedure is much less invasive than traditional bypass surgery, as it is performed through three small incisions and without having to break the ribs or the breastbone. With small access ports and no broken bones to heal, MICS CABG patients have less pain, less scarring and a much faster recovery period.

The first MICS CABG was performed on January 21, 2005, at The Heart Institute by a highly trained team led by Dr. Joseph McGinn. Today, The Heart Institute performs more MICS CABG procedures than any other hospital with great success, including a 0% infection rate.

### Regina McGinn Education Center

The Regina McGinn Education Center opened in 2010 as a symbol of excellence, innovation and continuous learning at The Heart Institute and Staten Island University Hospital. It boasts the state-of-the-art Patient Safety Institute at SIUH with a patient simulation center and Diabetic Education Center. Additionally, there is a 250-seat auditorium and five high-tech conference rooms. Some of its many features include electronic, campus-wide links capable of transmitting live medical procedures from the hospital's operating and radiology suites, as well as linking the South site and other hospitals and medical education sites. The Center is also home to an ever-expanding digital medical library, as well as an executive boardroom that doubles as an emergency command center.

The Center was built to honor the late Dr. Regina McGinn who, at the time, was Staten Island University Hospital's Associate Director of Medicine and wife of The Heart Institute's Medical Director, Dr. Joseph McGinn. The beloved physician and dedicated mother of four first envisioned such a center in 1997, four years before she sadly succumbed to cancer at the age of 43.

### A Premier Teaching Hospital

As a leader in the field of minimally invasive bypass surgery, The Heart Institute takes great pride in educating other physicians on the McGinn Technique. The Heart Institute boasts the only dedicated MICS CABG training program on the East Coast. The one-on-one training sessions are conducted directly by Dr. Joseph McGinn and his dedicated team. Since developing the procedure, more than 600 elite physicians from all over world have travelled to The Heart Institute to learn this advanced procedure.

### Achievements

Since opening our doors in 2005, The Heart Institute is proud to have had many "firsts" and made extensive strides in the field of cardiac surgery, including:

- *Pioneered, perfected and performed the first MICS CABG*
- *Performs more MICS CABG procedures than any other hospital*
- *Home to the first and only dedicated MICS CABG training program on the east coast*
- *Performed the world's first minimally invasive triple bypass and minimally invasive aortic valve replacement*
- *The first hospital in the tri-state area to perform cryoballoon ablation —which eliminates the need for dangerous chemicals and extreme heat during ablation — and the only hospital on Staten Island to perform the procedure*