

Our Clinical Centers of Excellence



McLaren Flint

Today, vision and many clinical “firsts” in the region continue to drive McLaren Flint, a non-profit, 404-bed tertiary teaching facility that serves the medical needs of residents in greater Genesee County and mideastern Michigan. McLaren Flint is affiliated with Michigan State University College of Human Medicine in its medical residency programs, including family practice, internal medicine, general surgery, orthopedic surgery and radiology. McLaren Flint also maintains fellowship programs in psychology and vascular surgery. McLaren Flint is a subsidiary of McLaren Health Care, which is ranked as one of the top 25 integrated health systems in the nation.



Mission Statement

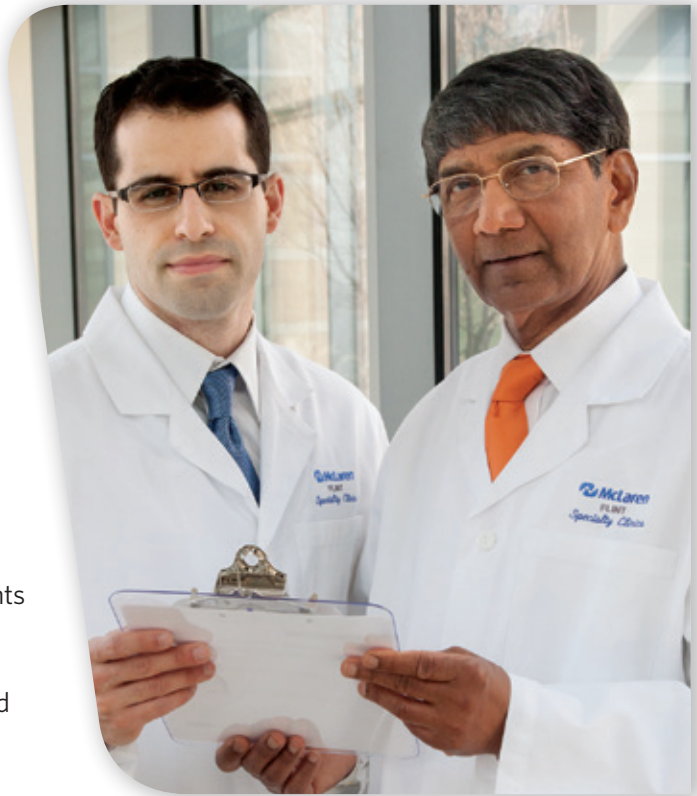
McLaren Health Care, through its subsidiaries, will be the best value in health care as defined by quality outcomes and cost.

McLaren Bariatric and Metabolic Institute

The McLaren Bariatric and Metabolic Institute is committed to delivering outstanding care to individuals with obesity seeking significant weight loss and the potential for resolution of their type 2 diabetes and other co-morbid conditions such as hypertension, sleep apnea, and joint pain through a comprehensive surgical weight loss/care program.

Since 2008 the McLaren Bariatric and Metabolic Institute has maintained its designation as a Bariatric Surgery Center of Excellence® through the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program. This recognizes that the program meets the most stringent criteria of patient care and patient outcomes. In addition, bariatric and metabolic surgeons with the Institute are named Center of Excellence physicians by the Surgical Review Corporation.

The Bariatric and Metabolic Institute offers pre- and post-surgical care at offices in Flint and Clarkston. Both locations provide patients with a comfortable setting with convenient parking. Surgical care is provided in a fully-monitored and specially-equipped dedicated inpatient unit at McLaren Flint.



Our Comprehensive Bariatric and Metabolic Program Includes:

- Complete Medical Evaluation
- Surgical Consultation
- Psychological and Nutritional Counseling
- Complete Pre and Post Operative Care
- Support Groups
- Fully-Monitored and Specially-Equipped Bariatric Unit for Inpatient Care
- Laparoscopic Roux-en-Y (Gastric Bypass)
- Sleeve Gastrectomy
- Laparoscopic Adjustable Gastric Band

McLaren Bariatric and Metabolic Institute
G-3200 Beecher Rd., Suite MBI
Flint, MI 48532
(810) 342-5470 or 1-888-342-5470

MBSAQIP
METABOLIC AND BARIATRIC SURGERY
ACCREDITATION AND QUALITY IMPROVEMENT PROGRAM
ACCREDITED CENTER

The McLaren logo, featuring a stylized blue and white 'M' icon followed by the word 'McLaren' in a blue sans-serif font.
**BARIATRIC AND
METABOLIC INSTITUTE**

Heart and Vascular Services

The Heart and Vascular Program at McLaren Flint incorporates the latest technology and equipment to diagnose, prevent and treat heart and vascular disease. This leading program offers advanced diagnostic and treatment options, including minimally invasive cardiac procedures, robotic-assisted cardiac surgery, as well as research. McLaren Flint is designated as a Blue Cross Blue Shield of Michigan Blue Distinction Center+ for Cardiac Care. The cardiologists and cardiac surgeons at McLaren Flint have achieved many “firsts” in the region. Our vascular surgeons have been providing vascular care around the clock since 1963 making them one of the nation’s longest running groups in the country. They are also one of the largest. These surgeons have participated in over 50 clinical trials and are committed to innovation and research. They too have conducted many “firsts” in vascular care.

The cardiovascular suite at McLaren Flint houses five cardiac catheterization labs, that feature advanced technology. One lab is also specialized for electrophysiology studies. McLaren’s electrophysiologists were the first in the region to offer patients 3-D atrial fibrillation ablation, MR-Conditional pacemakers and biventricular ICD’s.

In the O.R., two rooms are dedicated to cardiac surgical procedures. McLaren Flint is also the only area hospital to offer a Hybrid Operating Room. This specialized surgical suite offers clinical advantages for both surgeons and patients. The room is equipped to make it possible for surgeons to go from performing a minimally invasive procedure to an open procedure in minutes. It is equipped for use by vascular surgeons, cardiothoracic surgeons, interventional cardiologists and neurosurgeons.

McLaren’s Hybrid O.R.





McLaren's EP Lab.

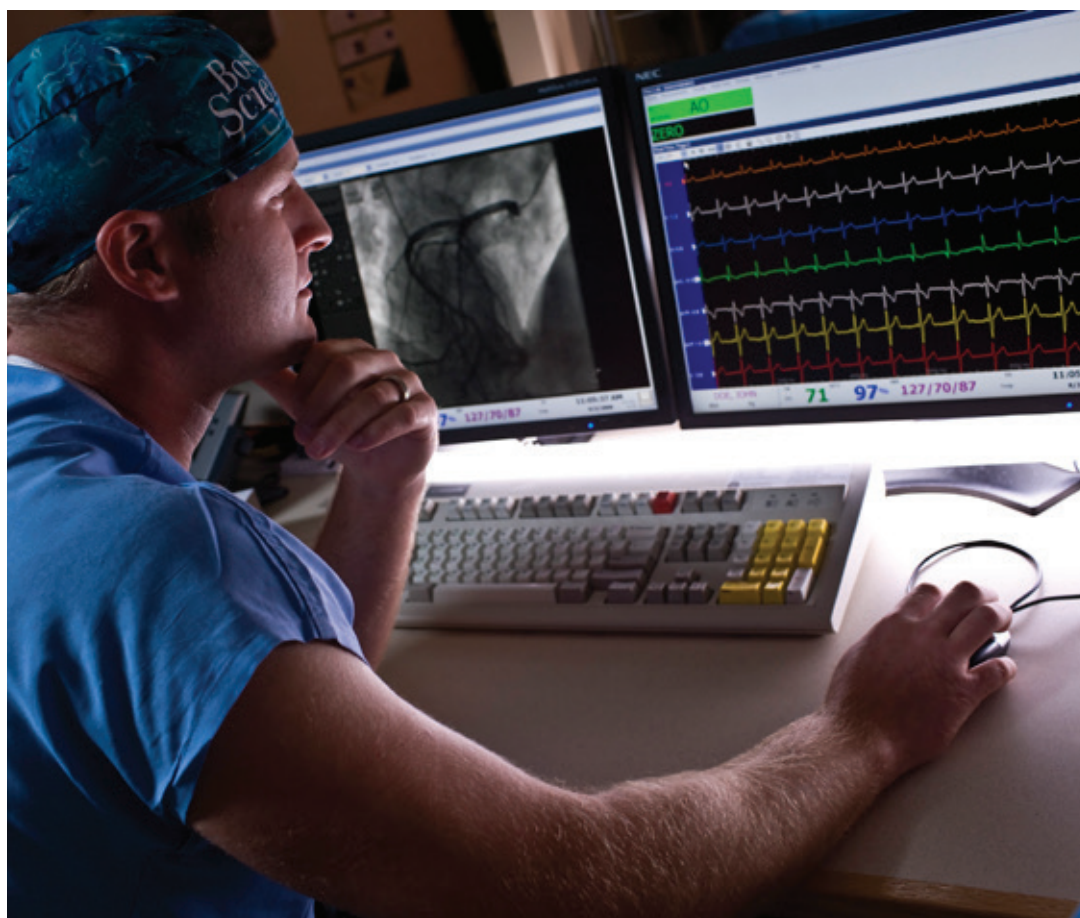
Heart and Vascular Services CONTINUED

Additional Program Features:

- Average door-to-balloon times well below the 90-minute national standard.
- First area hospital to utilize the daVinci surgical robotic system (2005).
- First area hospital to offer CryoAblation Catheter System.
- According to data published on *Hospital Compare*, part of the Centers for Medicare & Medicaid Services (CMS) Hospital Quality Initiative, McLaren Flint exceeds the U.S. national rate of survival for both heart attack and heart failure.
- McLaren Flint exceeds the target range of 90-95% in the Core Measures set forth by Blue Cross Blue Shield of Michigan in treating AMI.

Our Cardiologists Perform the Following Procedures:

- Echos
- TEEs
- Stress Tests
- Heart Caths
- Electrophysiology Studies and Ablations
- PCI (Percutaneous Coronary Interventions)
- Cardioversions
- Loop Recorder Implantations
- OCT/IVUS
- Venograms
- Angiograms
- IABP Insertion
- ICD/Pacer/BI-V Pacer/BI-V ICD Insertions/Revisions/Replacements
- Lead Extraction
- Peripheral Angiograms
- Peripheral Venograms
- Peripheral Vascular Interventions (PTA)



Our Cardio Thoracic Surgeons Perform the Following Procedures:

- › CABG
- › CABG (Robotic Asst)
- › CABG Off Pump
- › Aortic Valve Replace/Repair
- › Aortic Valve Replace/Repair (Robotic Asst)
- › Mitral Valve Replace/Repair
- › Mitral Valve Replace/Repair (Robotic Asst)
- › MIDCABG
- › MAZE Procedure
- › Thoracotomy
- › Thoracotomy (Robotic Asst)
- › Video Assisted Thorascopy (VATS)
- › Sternotomy
- › Mediasternotomy
- › Pericardial Window
- › Other minor procedures

Our Vascular Surgeons Perform the Following Procedures:

- › Carotid Endarterectomy
- › Abdominal Endarterectomy
- › Lower Limb Endarterectomy
- › Resection Abdominal Aortic Aneurysm
- › Other Aneurysm Repair
- › Resection and Anastomosis of Vessel
- › Vascular Shunt or Bypass
- › Insertion Vena Cava Filter
- › Amputation
- › Angioplasty Non-Coronary Vessels
- › Endovascular Implant of Graft
- › Endovascular Embolization or Occlusion
- › Insertion of Non-Coronary Stent
- › Diagnostic Aortogram or Arteriogram
- › Arteriovenostomy for Dialysis
- › Revision Dialysis Shunt

Heart and Vascular Services

McLaren Flint

401 S. Ballenger Hwy.

Flint, MI 48532

Cath and EP Procedures

(810) 342-5417

Michigan Heart Valve Institute

(810) 342-2590

**Blue
Distinction®**
Center+
for **Cardiac Care**



Nonprofit corporations and independent licensees
of the Blue Cross and Blue Shield Association

Orthopedic Program

McLaren Flint's orthopedic surgeons perform over 200 different kinds of procedures including thousands of reconstruction on hips, knees, shoulders, and other major joints of the body each year. McLaren Flint is designated as a Blue Cross Blue Shield of Michigan Blue Distinction Center+ for Hip and Knee Replacement Surgery. The Center is at the forefront of advances in total hip and knee replacement through its participation in prestigious Food and Drug Administration studies. As a leading research and teaching center, McLaren works closely with manufacturers of orthopedic devices perfecting and evaluating innovative procedures for bone and joint surgeries. Orthopedic surgeons at McLaren Flint are regional leaders in minimally invasive procedures. Physical therapy, occupational therapy and sports medicine programs are offered at several community satellite locations.

Joint and Spine Center

Patients who receive a joint replacement or who have spine surgery are cared for on this specialized unit.

Joint Replacements

McLaren's comprehensive joint replacement services are available for orthopedic patients facing knee, hip or shoulder replacement. Therapy starts sooner, dependence on pain medication is reduced, and patients receive encouragement and support from a personal recovery coach and others who participate in the program with them. Other benefits of



the program include a comprehensive educational session prior to surgery; significant improvement in mobility at the time of discharge; patient-centered pain management allows them to stay more alert and maintain a higher energy level after surgery; and their recovery is speedier overall.

Spine Program

As the region's first truly comprehensive spine program, the McLaren Spine Program features a multidisciplinary approach in the treatment of back and neck pain. These experts work together in a coordinated system to identify and treat conditions of the back and neck, ranging from the most common to the most complex. Whether a patient's treatment is medical or surgical, the team of specialists at the McLaren Spine Program is dedicated to applying leading edge technology, the latest techniques and the most effective therapies to help patients feel, move and live better. McLaren Flint is designated as a Blue Cross Blue Shield of Michigan Blue Distinction Center+ for Spine Surgery.

The Spine Program Combines the Expertise of the Following Specialists:

- › Neurosurgery
- › Orthopedic Surgery
- › Physical Medicine
- › Physical Therapy
- › Clinical Health Psychology
- › Pain Management
- › Interventional Radiology
- › Certified Case Management

McLaren Joint and Spine Center Features:

- › 13 Private Patient Rooms
- › Spacious Rooms, Bathrooms and Daybeds for Guests
- › Message Boards in each Patient's Room for Better Caregiver Communication
- › Dedicated Nursing and Therapy Staff
- › A Team Approach to Care
- › Quicker Recovery

For our Joint Replacement patients the program includes the expertise of:

- › Board Certified Orthopedic Surgeons, an Orthopedic Residency Program and Dedicated Orthopedic Physician Assistants

Orthopedic and Spine Programs
McLaren Flint
401 S. Ballenger Hwy., 5 North
Flint, MI 48532
(810) 342-4289

Designated as a

Blue
Distinction®
Center+

for Knee and Hip Replacement
Spine Surgery



Nonprofit corporations and independent licensees
of the Blue Cross and Blue Shield Association

Robotic and Minimally Invasive Surgery

The evolution of surgery expands the capabilities of surgeons to perform more precise and less invasive procedures with less pain and a quicker recovery for their patients. At McLaren Flint, our early adoption of robotic surgery in 2005 and single site surgery in 2008 has placed our surgeons among the region's most experienced and most respected in the field of minimally invasive procedures.

Minimally invasive surgery allows surgeons to operate through small ports rather than large incisions resulting in:

- ✧ Less pain
- ✧ Virtually no scarring
- ✧ Better outcomes
- ✧ Shorter hospital stays
- ✧ Faster recovery times

Robotic-assisted surgery allows for the surgeon's hand movements to be scaled, filtered and translated into precise movements of micro-instruments within the operative site and provides a 3D, high definition, magnified view of the surgical site. To keep pace with the increasing demand for robotic-assisted procedures, McLaren Flint has two operating suites equipped with da Vinci Robotic Surgical Systems.

Our skilled team of physicians and nurses have performed more types of robotic procedures than any hospital in Michigan including:

- ✧ Hysterectomies and other gynecologic procedures
- ✧ Prostatectomies and other urologic procedures
- ✧ Oncologic procedures
- ✧ Thoracic procedures
- ✧ General surgery procedures

Single Site Surgery

The single-site surgical technique enables surgeons to perform certain abdominal and gynecologic surgeries through just small incisions, usually in the bellybutton, leaving a small, concealed scar. While traditional laparoscopic surgery offers benefits like less pain, faster recovery, and less scarring over open surgery, the single-port surgery has the potential to extend these benefits even further. The procedures are made possible through an advanced port design, which can accommodate up to three laparoscopic tools to pass through the single opening. After the procedure, the surgeon removes the port, allowing the natural contours of the bellybutton to help hide the surgical incision.

This technique is currently used to perform surgery for the:

- ✧ Uterus
- ✧ Gallbladder
- ✧ Appendix
- ✧ Ovary
- ✧ Colon

While every patient may not be a candidate for single port surgery, the advanced technique can still be used to reduce the number of required incisions.

Robotic and Minimally Invasive Surgery
McLaren Flint
401 S. Ballenger Hwy.
Flint, MI 48532
(810) 342-2826



Single Site Surgery

Stroke Program

As a Certified Primary Stroke Center, McLaren Flint offers patients state-of-the-art stroke care, including a range of minimally invasive treatment options through its groundbreaking vascular interventional neuro program, which was the first of its kind in the region. Often, when someone has a stroke, tPA is administered. However, for those patients who do not qualify for its use, McLaren Flint's vascular interventional neuro program offers patients lifesaving alternatives through advanced intra-arterial procedures and technologies that help break up and remove the clots restricting blood flow to the brain.

Our comprehensive stroke program offers intensive, critical and acute care services to patients, as well as inpatient and outpatient rehabilitation services. In addition, our neurological specialists and staff members use a multidisciplinary approach to ensure each stroke patient receives the treatment that is right for him or her.

Vascular Interventional Neurology Lab



Offering a continuum of care for our stroke patients ensures they experience better outcomes. Both the inpatient rehabilitation unit at McLaren Flint and the outpatient services at McLaren Neurologic Rehabilitation Institute (MNRI) offer comprehensive, interdisciplinary treatment programs. MNRI also hosts the McLaren Stroke Education and Support program which meets twice a month. After each educational segment presented by a clinical expert, families and stroke survivors have the opportunity to discuss adjustment needs through facilitated discussions.

Our Interventional Team Performs the Following Procedures:

- ‡ Neuro Angiogram Carotid
- ‡ Neuro Angiogram Cerebral
- ‡ Neuro Arteriovenous Malformation
- ‡ Neuro Coiling
- ‡ Neuro Coiling and Stenting
- ‡ Neuro PTA Arterial (specify Artery)
- ‡ Neuro PTA Venous
- ‡ Neuro Stenting
- ‡ Neuro Stroke

Unique Program Features:

- ‡ Area's first vascular interventional neuro program.
- ‡ McLaren Flint is among a small percentage of U.S. hospitals offering vascular interventional neuro services.
- ‡ Dedicated stroke inpatient unit.
- ‡ Dedicated inpatient and outpatient rehabilitation programs.
- ‡ Stroke education and support series.

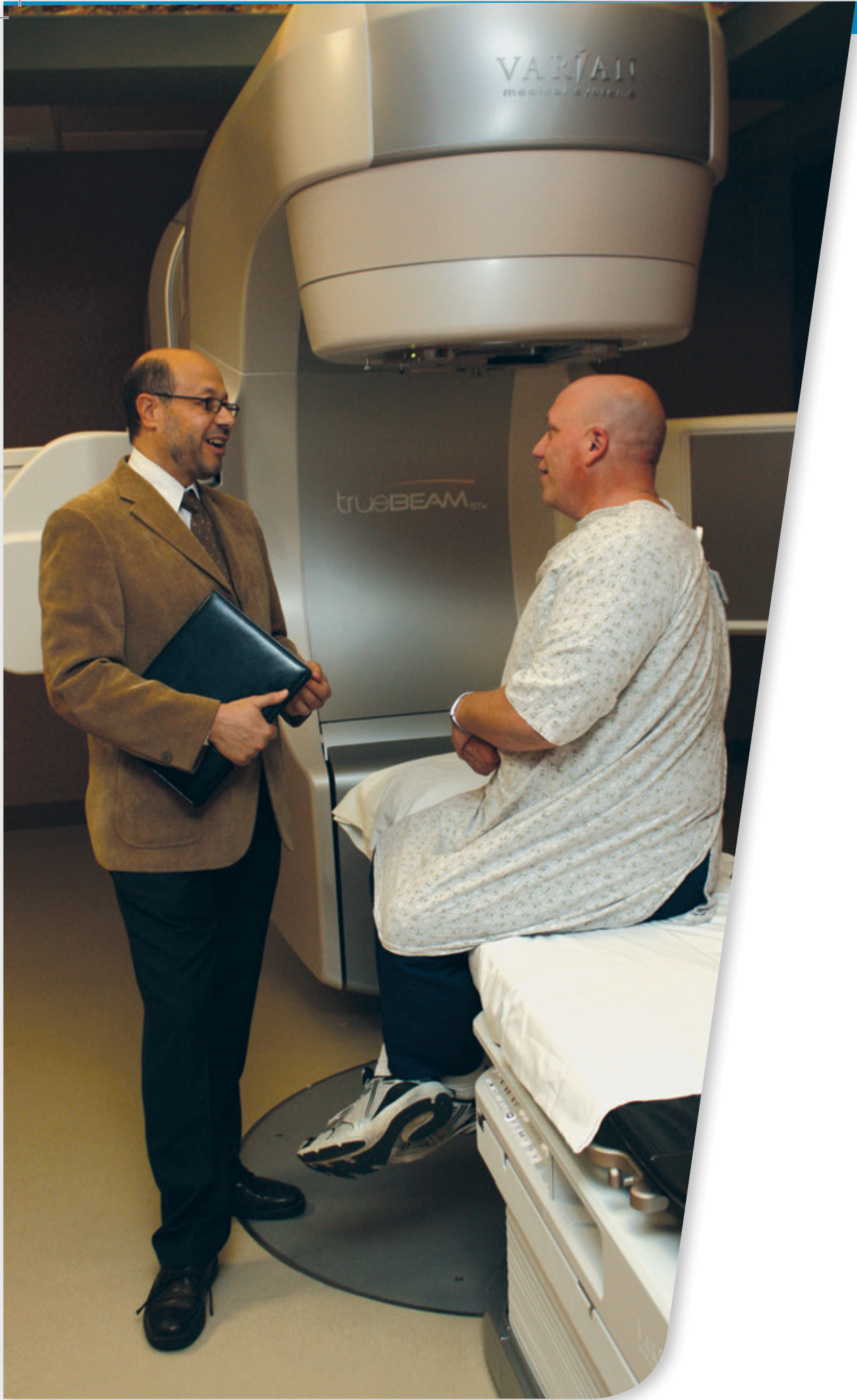


McLaren Flint has earned certification as a Primary Stroke Center by The Joint Commission. The research is clear: Patients treated at certified stroke centers, like McLaren Flint, experience better outcomes, including longer lives and fewer disabilities.

**Stroke Program
McLaren Flint
401 S. Ballenger Hwy.
Flint, MI 48532**

Stroke Program Coordinator, (810) 342-2964

Vascular Interventional Neurology Program, (810) 342-5700



Karmanos Cancer Institute at McLaren Flint

Karmanos Cancer Institute at McLaren Flint is recognized for providing advanced treatment therapies as well as a medical staff of highly experienced and skilled cancer specialists, including medical, surgical and radiation oncologists. It is the most awarded cancer program for quality and safety in mid-Michigan. In addition to earning the three-year approval award from the American College of Surgeons (ACOS) Commission on Cancer, Karmanos Cancer Institute at McLaren Flint is

- ✦ a Radiation Oncology Accredited Facility through the American College of Radiology (ACR)
- ✦ Quality Oncology Practice Initiative (QOPI) certified by the American Society of Clinical Oncology
- ✦ certified by the National Accreditation Program for Breast Centers (NAPBC)

Here, a multidisciplinary approach implements the most current philosophies in cancer therapy. Personal care plans, coordinated by a team of physicians, may employ chemotherapy or immunology, radiation therapy, surgery, or a combination of treatment modalities. McLaren Flint also has an inpatient oncology unit for acute treatments of patients with cancer. Specialists at the Cancer Institute have participated in advanced clinical trials as well as pioneered lifesaving techniques in cancer care. Beyond the prescribed course of treatment, McLaren provides support services to aid in the healing and recovery process. Social work, nutritional counseling, free wellness classes, art therapy, palliative care, and support groups offer an extended team of support for patients.

Treatments Available to Patients:

Radiation Oncology

Services:

- ✦ External beam radiotherapy services
 - Image-guided Radiation Therapy (IGRT)
 - Intensity Modulated Radiation Therapy (IMRT)
 - On board CT scanning
 - Proton therapy (currently under development) targets tumors using proton energy, whose unique features enable a higher dose of treatment with virtually no exit dose, thus sparing more of the healthy areas of the body from radiation.
- ✦ Brachytherapy (internal radiation therapy services)
 - Low dose rate (LDR) permanent seed implantation
 - High dose rate (HDR) computer-guided treatment and placement of fiducial marker seeds
- ✦ Clinical trials

Karmanos Cancer Institute in Flint also provides radiation therapy services in Lapeer and Owosso.

Karmanos Cancer Institute at McLaren Flint
4100 Beecher Road
Flint, MI 48532
(810) 342-3800

Medical Oncology Services:

- Targeted therapy
- Clinical trials
- Genetic counseling
- Biologic therapy
- Chemotherapy
- IV Therapy
- Hormonal therapy

Surgical Oncology Services:

While treatment options are a choice between a surgeon and patient, McLaren is equipped to accommodate conventional to progressive. Utilizing the capabilities of the two daVinci SI surgical robotic systems and other minimally invasive capabilities at McLaren Flint, surgeons perform laparoscopic procedures in high definition, 3-D imaging, with greater maneuverability, resulting in less pain and faster recovery for patients.

- Minimally invasive techniques: endoscopic, laparoscopic and robotic-assisted
- 16 well-equipped operating suites
- Dedicated post-surgical care unit

Procedures:

- Adrenalectomy
- Esophagectomy
- Entrectomy
- Gastrectomy
- GE junction tumors
- Pancreatectomy
- Specialized regional therapy:
- Hepatectomy
- Colectomy
- Proctectomy
- Thyroidectomy
- Parathyroidectomy

The surgical oncology procedures performed at McLaren Flint include several highly-specialized therapies not offered at other area hospitals.

- HIPEC Hyperthermic Intraperitoneal Chemotherapy for cancer of the lining of the abdominal cavity
- ILI/ILP Isolated Limb Infusion/Isolated Limb Perfusion for in-transit melanoma
- Radiofrequency ablation and microwave ablation
- Transarterial Chemoembolization (TACE)

Multidisciplinary Conferences

- Weekly tumor conferences:
 - Breast
 - Thoracic
 - General oncology cases
- Monthly conferences:
 - Neuro oncology cases





Hospitality House at McLaren

The Hospitality House at McLaren is a unique service providing a convenient, comfortable and low-cost housing option for people who are traveling long distances to receive care at McLaren Flint. The beautiful facility is just steps away from the Cancer Institute and features 32 guest rooms. Additional amenities include:

- Large Gathering Room designed for relaxing and socializing
- Spacious Multi-Family Kitchen with four preparation areas and ample seating options-cost
- Elegant Patio for outdoor dining and enjoyment
- Reading Room/Library
- A non-denominational Reflection Room
- Billiard Room
- Exercise Room
- Laundry Room
- Children's Playroom
- Multi-Use Room for specialized therapies such as art and massage
- Conference space for educational programs and entertainment
- Gazebo overlooking natural area
- Herb and vegetable garden

Hospitality House at McLaren
3170 Beecher Road
Flint, MI 48532
(810) 820-9800



Notable Achievements:

- Designated a Blue Distinction Center+ for Cardiac Care by Blue Cross Blue Shield of Michigan
- Designated a Blue Distinction Center+ for Hip and Knee Replacement by Blue Cross Blue Shield of Michigan
- Designated a Blue Distinction Center+ for Spine Surgery by Blue Cross Blue Shield of Michigan
- Certified as a Bariatric Surgery Center of Excellence by the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program
- Most experienced robotic-assisted surgical program in the region, offering more types of robotic procedures than any other hospital in Michigan
- Certified as a Primary Stroke Center by the Joint Commission
- Only area Cancer Center to hold all four of the following accreditations:
 - American College of Surgeons Commission on Cancer
 - American College of Radiology Radiation Oncology Practice Accreditation
 - Quality Oncology Practice Initiative - American Society of Clinical Oncology
 - National Accreditation Program for Breast Centers (NAPBC)
- Region's only interventional neurology program for specialized stroke care

Other Services at McLaren Flint

- Behavioral Health Services
- Blood Conservation
- Case Management
- Convenient Care Centers
- Diabetes Education
- Diagnostic Imaging
- Emergency Services
- EMS Education
- Endo/GI Lab
- Family Birthplace
- Homecare
- Hospice
- ICU/CCU
- Implantable Hearing Solutions
- IV Therapy
- Laboratory and Pathology
- Lifeline
- Medical Equipment and Supplies
- Neuroscience Services
- Nutritional Counseling
- Palliative Care
- Pharmacy
- Pulmonary Rehabilitation
- Rehab and Therapy Services
- Sleep Diagnostic Center
- Speciality Center and Wound Care
- Surgery and Endoscopy Center
- Urinary Incontinence & Pelvis Reconstruction
- Women's Services

For a complete listing of services, visit
mclaren.org/flint



McLaren Flint Campus

1) McLaren Flint

401 S. Ballenger Highway • Flint, MI 48532
(810) 342-2000

2) McLaren Surgery and Endoscopy Center/ McLaren Imaging Center

501 S. Ballenger Highway • Flint, MI 48532

3) McLaren MRI - Flint

750 S. Ballenger Highway • Flint, MI 48532

4) Karmanos Cancer Institute at McLaren Flint/McLaren Proton Center

4100 Beecher Road • Flint, MI 48532

5) Hospitality House at McLaren

3170 Beecher Road • Flint, MI 48532

6) McLaren BeechHill Building

G-3200 Beecher Road • Flint, MI 48532
- McLaren Bariatric and Metabolic Institute
- McLaren Sleep Center
- McLaren Specialty Clinics

7) McLaren Medical Education Building

G-3230 Beecher Road • Flint, MI 48532
- Family Medicine
- Internal Medicine
- Pulmonary Rehabilitation

8) McLaren Ballenger Village

1100 N. Ballenger • Flint, MI 48502



FLINT

401 S. Ballenger Hwy., Flint, MI 48532

(810) 342-2000

mclaren.org/flint