If you suspect or have been diagnosed with cancer, it’s important to be evaluated by cancer experts before beginning treatment.

We can help.

Call for an appointment today.
1-800-KARMANOS
(1-800-527-6266)
or visit karmanos.org

KARMANOS PRIMARY TREATMENT LOCATIONS
– DETROIT –
Karmanos Cancer Center
4100 John R
Detroit, MI 48201

– FARMINGTON HILLS –
Lawrence and Idell Weisberg
Cancer Treatment Center
31995 Northwestern Highway
Farmington Hills, MI 48334

– MONROE – RADIATION ONCOLOGY –
Monroe Cancer Center
800 Stewart Road
Monroe, MI 48162

From ground-breaking research to the most up-to-date therapies and individualized treatment plans, Karmanos is truly leading the fight against cancer.

Better treatments. Better outcomes.

Your first chance at beating cancer is your best chance.

KARMANOS IS BETTER AT FIGHTING CANCER

Over the course of our lifetimes, 1 in 2 men, and 1 in 3 women will receive a cancer diagnosis. Our physicians specialize in the diagnosis, evaluation and treatment of specific types of cancer. In fact, the Karmanos Cancer Center is the only hospital in Michigan focused solely on cancer. That means we’re completely devoted to offering every patient the best treatment options that lead to the best possible outcomes.

From ground-breaking research to the most up-to-date therapies and individualized treatment plans, Karmanos is truly leading the fight against cancer. We’re committed to being at the forefront of cancer treatment and offering tomorrow’s standard of care today. Because our physicians are leaders in these specialties you can be assured of having access to the most advanced therapies available.

The breadth and depth of our knowledge, experience and individual expertise, coupled with our multidisciplinary team approach, makes Karmanos uniquely qualified to offer every patient the best chance for a successful outcome, and more precious time spent with loved ones, family and friends.
Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

Here’s what patients can expect from our 13 multidisciplinary teams, each focusing on a particular type of cancer:

- A passionate, caring, expert team, giving you the best chance of success.
- A collaborative approach that considers all available treatment options, including clinical trials, for your specific type of cancer.
- A carefully constructed treatment plan designed to achieve the best possible outcomes.
- Respectful, compassionate care that is responsive to your emotional needs and lifestyle.
- Proactive, timely communication with you, your loved ones and your personal physician.

Our multidisciplinary teams include surgical oncologists, medical oncologists, radiation oncologists, radiologists, pathologists, pharmacists, specialized nurse practitioners, dietitians, social workers and genetic counselors. The team shares its collective expertise to create a customized treatment plan for each patient.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

There are faculty members at Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Anyone with a diagnosis of cancer can make an appointment at Karmanos. You do not need to be referred by a physician unless required by your insurance company. Please call 1-800-KARMANOS (1-800-527-6266) or email nwpnt@karmanos.org if you are a new patient. However, it is important to keep your physicians aware of your care. You will be asked to bring information on prior treatments and test results to help our doctors and health care teams plan the best course of therapy. We can help you collect all the necessary information when you call.

Karmanos physicians are faculty members at Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Anyone with a diagnosis of cancer can make an appointment at Karmanos. You do not need to be referred by a physician unless required by your insurance company. Please call 1-800-KARMANOS (1-800-527-6266) or email nwpnt@karmanos.org if you are a new patient. However, it is important to keep your physicians aware of your care. You will be asked to bring information on prior treatments and test results to help our doctors and health care teams plan the best course of therapy. We can help you collect all the necessary information when you call.

Karmanos physicians are faculty members at Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Karmanos physicians are faculty members at Wayne State University School of Medicine, sharing their knowledge, expertise and research to help teach the next generation of oncologists to advance cancer care.

Anyone with a diagnosis of cancer can make an appointment at Karmanos. You do not need to be referred by a physician unless required by your insurance company. Please call 1-800-KARMANOS (1-800-527-6266) or email nwpnt@karmanos.org if you are a new patient. However, it is important to keep your physicians aware of your care. You will be asked to bring information on prior treatments and test results to help our doctors and health care teams plan the best course of therapy. We can help you collect all the necessary information when you call.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.

Karmanos understands that cancer is a complex disease that demands complex care — we don’t follow a standard approach to fighting cancer.

We’re at the forefront of offering treatments that define the new standards of care.
Highly trained and experienced surgical oncologists perform cancer surgeries at the Barbara Ann Karmanos Cancer Center. As a nationally recognized leader in cancer treatment, the Karmanos Cancer Center offers the most effective, technologically advanced surgical equipment and procedures available. All surgical treatments are based on the latest scientific data to give patients options, better outcomes and a greater quality of life.

Karmanos is one of only 41 National Cancer Institute-designated comprehensive cancer centers in the United States. Our multidisciplinary teams specialize in the evaluation, diagnosis and treatment of specific types of cancer. That means every patient receives a comprehensive treatment plan that best meets their individual needs. This also includes providing patients the option of enrolling in clinical trials—exclusive, cutting-edge treatments involving new cancer-fighting medications generally not available elsewhere.

Our surgical oncologists are leaders in performing both traditional surgeries and minimally invasive procedures. Steve Kim, M.D., F.A.C.S, chief of Surgical Oncology at Karmanos, leads a team of distinguished and widely recognized surgeons who make cancer their primary focus and have expertise in

STEVE KIM, M.D., F.A.C.S.
Dr. Kim is chief of Surgical Oncology at Karmanos and a member of its Gastrointestinal, Melanoma, and Sarcoma Multidisciplinary teams. He completed his cancer surgery fellowship at Memorial-Sloan Kettering Cancer Center in New York. He is certified by the American Board of Surgery.
cancer-specific surgery. Karmanos cancer surgeons operate only in the area of the body in which they specialize. This translates into better care and better outcomes.

Karmanos surgeons perform all types of cancer surgery, including robotic and laparoscopic procedures. Several of our surgeons, such as Donald Weaver, M.D., have pioneered techniques that are now considered standard practice around the world. Karmanos surgeons also have specialized training and knowledge that allows them to provide exemplary care for patients both in and out of the operating room.

When appropriate, Karmanos also performs minimally invasive procedures using the da Vinci® Si™ Surgical System. This system allows a state-of-the-art robotic alternative to traditional open surgery and conventional laparoscopy. Because these procedures are performed through very small incisions, patients experience minimal pain, blood loss and scarring. Recovery times are reduced and outcomes are improved. Many patients resume their regular activities in days or weeks, not months.

Better treatments. Better outcomes.
Tumors within the brain or spinal cord must be handled with extreme care. The surgeons within the Neuro-Oncology Multidisciplinary Team at Karmanos have the knowledge and experience to perform these delicate procedures safely while protecting healthy tissue.

Using traditional surgical techniques and advanced, minimally invasive procedures like microneurosurgery and endoscopic neurosurgery, Karmanos surgeons can access brain tumors precisely and with fewer complications. With the Brainlab Curve neuronavigation system, Karmanos surgeons can use technology similar to a global positioning system (GPS) used for automobiles. As a driver of a car uses GPS to find the way on the road, a surgeon uses these images to visualize the patient’s brain during surgery, pinpoint tumor location, track their surgical instruments and improve patient outcomes. Karmanos is one of the few hospitals in the nation using this state-of-the-art system. In addition, advanced equipment like the NICO Myriad and intraoperative CT and MRI allow Karmanos surgeons to remove deep-seated brain tumors and perform minimally invasive spinal surgeries while sparing healthy tissue.

Patients who undergo minimally invasive brain or spine surgery experience fewer complications and faster recovery times. The majority of craniotomy patients return home within a day or two after surgery.

**SANDEEP MITTAL, M.D., FRCSC, FACS**

Dr. Mittal is co-director of the Neuro-Oncology Multidisciplinary Team at the Karmanos Cancer Center and is certified by the American Board of Neurological Surgery. In addition to his extensive surgical experience, Dr. Mittal directs a translational research laboratory at Karmanos focusing on brain tumor neurobiology and epileptogenesis.
DAVID H. GORSKI, M.D., PH.D., FACS

Dr. Gorski is medical director of the Alexander J. Walt Comprehensive Breast Center and section chief for Breast Surgery at Wayne State University School of Medicine. He completed a research fellowship in the section of surgical oncology at the University of Chicago. He is certified by the American Board of Surgery.

The Breast Cancer Multidisciplinary Team at Karmanos is entirely focused on treating breast cancer and shares its collective expertise to create a customized treatment plan for each patient. The team employs the latest technology and treatments to ensure your greatest chance at success. These include traditional surgeries, immunotherapy, minimally invasive surgery and intensity-modulated radiation therapy to minimize radiation exposure of nearby healthy organs including the lungs and heart. In addition, our skilled plastic surgeons offer a variety of options for patients who seek implants or tissue-based reconstruction.
Gastrointestinal, liver, pancreas and neuroendocrine cancers are complex and difficult to treat, often requiring a combination of different therapies given in a precisely planned sequence. At the Karmanos Cancer Center, these tumors are treated by a team of experts in traditional and minimally invasive surgeries, medical oncology, radiation oncology and interventional radiology. Every effort is made to preserve both function and quality of life for our patients.
A generation ago, women with gynecologic cancer only had one option: hysterectomy. Today, many patients at the Karmanos Cancer Center are eligible for advanced minimally invasive procedures for a variety of gynecological procedures, both benign and cancerous. In many cases, Karmanos surgeons operate through a small incision in the belly button, sparing surrounding healthy tissues. In some cases, hysterectomy can be avoided altogether. Patients experience fewer side effects and can return to their regular activities within a shorter time frame.

ROBERT MORRIS, M.D.
Dr. Morris, leader of the Gynecologic Oncology Multidisciplinary Team at Karmanos, is one of the first physicians in Michigan to be trained in robotic surgery. In addition to performing highly precise robotic procedures on Karmanos patients, Dr. Morris also trains gynecologic surgeons so they can bring advanced surgical techniques to patients across the region. He is certified by the American Board of Obstetrics and Gynecology.
HEAD AND NECK SURGERIES

HO-SHENG LIN, M.D.
Dr. Lin, leader of the Head and Neck Multidisciplinary Team at Karmanos, is the first surgeon in Michigan to use the daVinci Surgical System to perform minimally-invasive head and neck cancer surgeries. He is a pioneer in robotic surgeries of the head and neck, and is recognized as one of the most experienced transoral surgeons in the Midwest. Dr. Lin is certified by the American Board of Otolaryngology.

In the past, surgeons who perform procedures to remove head and neck cancers would often work six to eight hours on what is typically major, invasive surgery. Because of the likelihood of facial disfigurement and subsequent difficulty with eating, speaking and swallowing, surgeons would be reluctant to operate on many head and neck cancer patients.

The Karmanos Cancer Center is one of the few hospitals in Michigan that can take a minimally invasive approach to these complex surgeries. When it’s in the patient’s best interest, Karmanos surgeons use state-of-the-art equipment like the da Vinci® Surgical Si™ System to perform head and neck surgeries without making any external incisions. The surgeon-guided robotic system allows the doctor to work through the mouth and use tiny surgical instruments to execute precise and delicate procedures to remove cancerous tissue. Da Vinci also comes with a three-dimensional, high-definition viewing screen, which provides a clear view of the operative field.

Patients who undergo minimally invasive robotic surgery can return home in just a few days. These patients also experience less blood loss, no visible scarring, no tracheotomy, fewer surgical complications and better cancer control.
The Melanoma Multidisciplinary Team at Karmanos specializes in the surgical and medical treatment of all skin cancers, including melanoma, squamous cell and Merkel cell cancers. Our surgeons are skilled at removing these cancers and performing reconstructive surgery, if necessary. Minimally invasive lymph node staging with a sentinel lymph node biopsy can also be performed. Most of these surgeries can be done on an outpatient basis.
For decades, surgeons have performed traditional lung and esophageal cancer surgery via open thoracotomy, making large incisions through the chest. Because these surgeries are very complex and involve multiple anatomical structures, surgeons may need to make additional incisions at the neck. Patients typically spend a week or more in the hospital following surgery. In some cases, recovery can take up to six months.

The Karmanos Cancer Center is one of the few hospitals in Michigan with a Thoracic Oncology Multidisciplinary Team. When appropriate, its team of surgeons performs minimally invasive robotic thoracic surgeries, making tiny incisions through the abdomen or chest. Besides contributing to excellent patient outcomes, robotic thoracic surgeries lead to faster recovery times. Many patients return home in less than a week – some never even enter an intensive care unit.

MIGUEL ALVELO-RIVERA M.D.

Dr. Alvelo-Rivera is a member of the Thoracic Oncology Multidisciplinary Team at Karmanos. He is an expert in minimally invasive thoracic surgeries and has extensive surgical experience. Dr. Alvelo-Rivera is among the top five thoracic surgeons in Michigan in terms of patient volume. He is certified by the American Board of Thoracic Surgery.
Michael L. Cher, M.D.

Dr. Cher is chief of Urology at the Karmanos Cancer Center and a member of its Genitourinary Oncology Multidisciplinary Team. He is also chair of the Department of Urology at Wayne State University School of Medicine. Dr. Cher was among the first physicians in Michigan to receive training in advanced robotic surgery, and he has performed hundreds of cryotherapy procedures. Dr. Cher is certified by the American Board of Urology.

In addition to traditional procedures, urological patients at Karmanos have a wider range of surgical options than ever before. When medically appropriate, our surgeons use the da Vinci Surgical System to perform nerve-sparing radical prostatectomy. This approach allows removal of the prostate with minimal damage to surrounding normal tissues resulting in minimal urinary and sexual side effects.

Karmanos surgeons also use the da Vinci Surgical System to treat bladder and kidney cancers. Our surgeons are now routinely performing robotic cystoprostatectomy for bladder cancer and robotic partial nephrectomy for kidney cancer.

Cryotherapy is a minimally invasive procedure that can be used to treat cancers such as renal, colorectal, lung, liver and prostate. Cryotherapy is also the preferred method for treatment of prostate cancer that recurs after prior radiation therapy. Using ultrasound guidance, needles are inserted through the skin into the prostate. When activated, the needles freeze the tissue, killing any cancer cells in the area. No incisions are needed for this highly precise, image-guided procedure. The treatment is performed under general anesthesia and typically takes about two hours. Recovery time is minimal and there is no stitching and no scarring.
In addition to having expertise in traditional surgical techniques, Karmanos surgeons are at the forefront of minimally invasive surgeries listed below. Their experience in performing these surgeries provide additional treatment options for our patients.

**ADRENAL SURGERIES**
- Laparoscopic and robotic adrenalectomy for adrenal tumors

**BOWEL SURGERIES**
- Laparoscopic small bowel resection

**BRAIN SURGERIES**
- CO2 laser surgery
- Endoscopic neurosurgery
- Gamma Knife radiosurgery
- Intraoperative CT and MRI with craniotomy
- Microneurosurgery
- Neuro-navigation-guided surgery
- Nico Myriad tissue/tumor resection

**COLON SURGERIES**
- Laparoscopic colectomy
- Endoscopic colonic mass resection

**ESOPHAGUS SURGERIES**
- Laparoscopic esophagectomy

**HEAD AND NECK SURGERIES**
- Transoral robotic surgery (TORS) for mouth and throat tumors
- Endoscopic nasal-sinus tumor resection
- Robotic thyroidectomy
KIDNEY SURGERIES
• Laparoscopic radical nephrectomy for renal/kidney cancer
• Robotic assisted partial nephrectomy for renal/kidney cancer (nephron sparing surgery)
• Laparoscopic and percutaneous renal cryosurgery ablation of kidney tumors
• Robotic and laparoscopic radical nephroureterectomy for renal, pelvis and ureteral cancers
• Robotic pyeloplasty

LIVER SURGERIES
• Laparoscopic liver resection
• Laparoscopic ablation of liver tumors

PANCREAS SURGERIES
• Laparoscopic pancreatectomy

OVARIAN SURGERIES
• Laparoscopic bilateral salpingo-oophorectomy

PELVIC SURGERIES
• Robotic and laparoscopic pelvic/para-aortic lymph node dissection (staging)
PROSTATE GLAND SURGERIES
• Cryosurgical ablation of prostate cancer (primary, salvage, and focal)
• Brachytherapy (radiation seed implant) for prostate cancer
• Robotic nerve-sparing prostatectomy

RECTAL SURGERIES
• Transanal endoscopic microsurgery (TEM)
• Sphincter-sparing rectal surgery

SPINE SURGERIES
• CO2 laser surgery
• Intraoperative CT with minimally-invasive spine surgery
• Nico Myriad tissue/tumor resection

SPLEEN SURGERIES
• Laparoscopic splenectomy

STOMACH SURGERIES
• Laparoscopic gastrectomy
• Endoscopic gastric mass resection
• Laparoscopic omentectomy
• Natural orifice surgery
THORACIC SURGERIES
• Thoracoscopic lobectomy and pneumonectomy
• Robotic lobectomy
• Minimally invasive esophagectomy
• Robotic assisted esophagectomy
• Robotic thymectomy
• Robotic resection for mediastinal tumors

URETER SURGERIES
• Ureteroscopic/endoscopic surgery for renal/ureteral stones or tumors
• Robotic ureterectomy and nephroureterectomy and reconstruction

URINARY BLADDER SURGERIES
• Endoscopic resection of bladder tumors
• Robotic radical cystectomy, radical cystoprostatectomy, or anterior exenteration for the treatment of invasive bladder cancers
• Laser ablation of bladder tumors

UTERINE SURGERIES
• Laparoscopic simple hysterectomy
• Laparoscopic simple trachelectomy for the removal of cervix and reattaching uterus to vagina
• Laparoscopic radical hysterectomy
• Laparoscopic radical trachelectomy (removal of cervix and paracervical tissue, upper vagina and reattaching uterus to vagina with placement of a permanent cerclage)
If you’ve been diagnosed with cancer and need to undergo surgery, it’s important to be evaluated by specialists who can offer options based on the latest advancements in cancer care.

We can help.

Call for an appointment today.

1-800-KARMANOS
(1-800-527-6266)

or visit karmanos.org.

KARMANOS PRIMARY TREATMENT LOCATIONS

– DETROIT –
Karmanos Cancer Center
4100 John R
Detroit, MI 48201

– FARMINGTON HILLS –
Lawrence and Idell Weisberg
Cancer Treatment Center
31995 Northwestern Highway
Farmington Hills, MI 48334

Better treatments. Better outcomes.
Karmanos Cancer Center surgeons are widely recognized for their experience in performing traditional and advanced surgical techniques. Each surgeon is dedicated to a multidisciplinary team focusing on a specific type of cancer. Their specialized training and knowledge translates into better patient outcomes.

**BREAST CANCER PROGRAM**
Keiva Bland, M.D.  
Lydia Choi, M.D.  
David H. Gorski, M.D, Ph.D.  
Eti Gursel, M.D. (plastic and reconstructive surgeon)  
Pamela Johnson, M.D.  
Mary Ann Kosir, M.D.  
Guillermina Nava, M.D. (plastic and reconstructive surgeon)

**GASTROINTESTINAL ONCOLOGY**
Miguel Alvelo-Rivera, M.D. (esophageal)  
Frank Baciewicz, Jr., M.D. (esophageal)  
Steve Kim, M.D.  
Donald Weaver, M.D.

**GENITOURINARY ONCOLOGY**
Michael Cher, M.D.  
Nivedita Dhar, M.D.  
Steven Lucas, M.D.  
Edson Pontes, M.D.  
Isaac Powell, M.D.  
Jeffrey Triest, M.D.

**GYNECOLOGIC ONCOLOGY**
Gunter Deppe, M.D.  
Robert Morris, M.D.  
Shelly Seward, M.D.  
Leigh Ann Solomon, M.D.
HEAD AND NECK ONCOLOGY
Adam Folbe, M.D.
John Jacobs, M.D.
Ho-Sheng Lin, M.D.
Robert Mathog, M.D.
Naweed Raza, M.D. (microvascular reconstructive surgeon)
Madhi Shkoukani, M.D.
George Yoo, M.D.
Giancarlo Zuliani, M.D. (facial plastic and reconstruction surgeon)

MELANOMA PROGRAM
Steve Kim, M.D.
Ho-Sheng Lin, M.D.
Donald Weaver, M.D.
George Yoo, M.D.

NEURO-ONCOLOGY
Hazem Eltahawy, M.D.
Murali Guthikonda, M.D.
Mark Hornyak, M.D.
Sandeep Mittal, M.D.
Nicholas Szerlip, M.D.

SARCOMA ONCOLOGY
Steve Kim, M.D.
Rahul Vaidya, M.D. (orthopedic surgeon)
Donald Weaver, M.D.

THORACIC ONCOLOGY
Miguel Alvelo-Rivera, M.D.
Frank Baciewicz, Jr., M.D.
Mohammed Jahania, M.D.