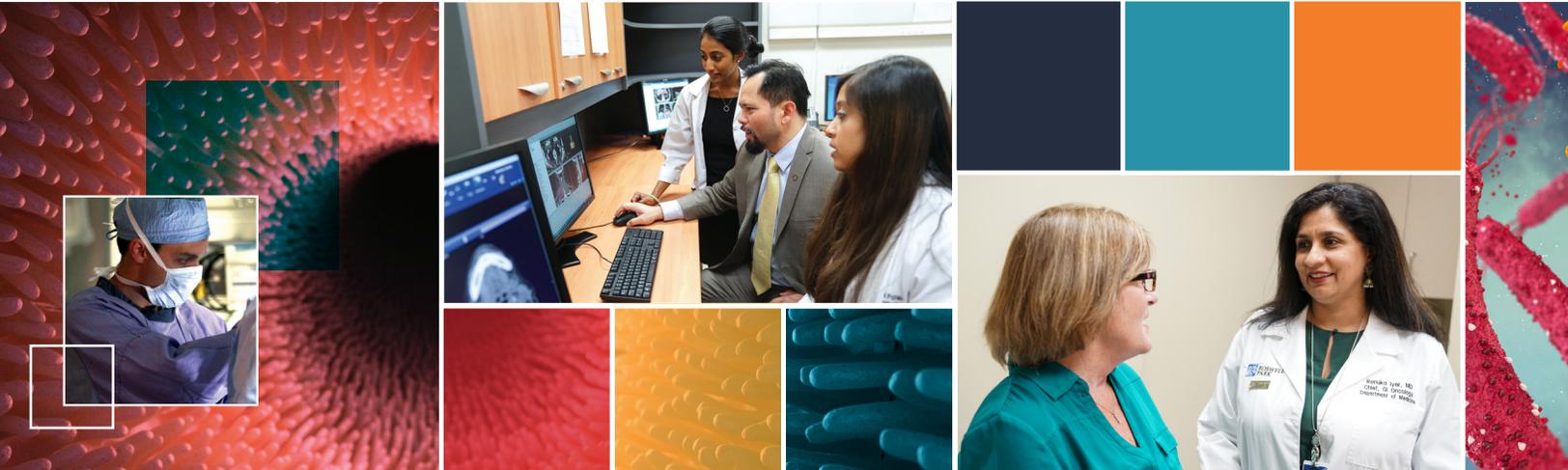


The Gastrointestinal Cancer Center



Roswell Park is the only **National Cancer Institute (NCI) designated** comprehensive cancer center in upstate and Western New York.

Recognized for High Performance in Colon Cancer Surgery.



What Sets Us Apart

- Our high-volume surgical experience in laparoscopic, robot-assisted, and complex gastrointestinal cancer surgery
- Robotic and laparoscopic approaches for esophagectomy, advanced gastric cancer, and liver and pancreas surgery
- Liver & Pancreas Tumor Center dedicated to multidisciplinary care for hepatopancreaticobiliary cancers
- Liver-directed therapies such as microwave ablation, chemoembolism and radioembolism for both destination and bridge-to-transplant therapies
- Endoscopy Center that offers advanced procedures such as endoscopic ultrasound and double balloon enteroscopy
- Robust portfolio of clinical trials offering the latest approaches in novel chemotherapy, targeted and immunotherapy agents and Peptide Receptor Radionuclide Therapy (PRRT)
- Single-day patient visits with multiple providers to offer complete evaluation and treatment plan

The Gastrointestinal Center

Our multidisciplinary team — surgical, medical and radiation oncologists, plus experts in gastroenterology, endocrinology, endoscopy, pathology and diagnostic and interventional radiology — work together to develop individual patient-care strategies using evidence-based guidelines for the following malignancies and associated conditions:

- **Ampullary and duodenal cancer**
- **Anal cancer**
- **Barrett's esophagus**
- **Colon and rectal cancer or polyps**
- **Cystic pancreatic and liver tumors**
- **Esophageal cancer**
- **Gallbladder and bile duct cancers**
- **Gastric cancer**
- **Liver cancer**
- **Metastatic tumors to the liver**
- **Neuroendocrine tumors (carcinoid and islet cell)**
- **Pancreatic cancer**
- **Small intestine tumors**
- **Inherited familial gastrointestinal cancer syndromes**

About Roswell Park's **CANCER CARE & TREATMENT CENTER**

Our state-of-the-art inpatient and ambulatory facilities and clinics are designed for delivering the latest approaches in cancer care with the highest degree of patient safety and comfort, including:

Chemotherapy & Infusion Center with on-site phlebotomy and pharmacy to ensure expedient lab results and drug delivery; a skilled nursing staff with special training in delivering cancer drugs; and a peaceful, panoramic view of Buffalo's downtown skyline and Lake Erie.

Radiation Medicine department that's the most technologically advanced and comprehensively equipped radiation facility in the region. Our radiation team (radiation oncologists, physicists and dosimetrists) collaborates with the surgical and medical GI oncologists to ensure the patient's radiotherapy plan is optimally coordinated, based on best practices and medical necessity and aligned with the patient's treatment goals.

UNIQUE Capabilities

Roswell Park offers several treatment approaches unavailable elsewhere in the region, including:

Peptide Receptor Radionuclide Therapy (PRRT) for neuroendocrine tumors

Cytoreductive Surgery/HIPEC for colorectal cancer, appendiceal adenocarcinoma, DPAM, peritoneal mesothelioma

Gamma Knife Radiosurgery for metastases to the brain

Intraoperative Radiotherapy to treat positive margins with tumor excision

NanoKnife ablative procedures for unresectable or difficult-to-reach liver and pancreas tumors

Radioembolization (SIR-Spheres or Theraspheres) for unresectable liver tumors

Photodynamic Therapy for a nonsurgical approach to Barrett's esophagus and early malignancy

The **ENDOSCOPY** Center

This state-of-the-art center for advanced endoscopy services features five treatment suites equipped with the latest technology for endoscopic procedures.

We offer minimally invasive options for diagnosis, biopsy and treatment of gastrointestinal conditions, including some services unavailable elsewhere in the region. On-site pathology within the center can provide immediate, mid-procedure review and diagnosis.

We conduct specialized, multidisciplinary tumor boards specific to gastroesophageal, hepatopancreaticobiliary and colorectal cases.



OUR ENDOSCOPIC SERVICES INCLUDE:

- **Endoscopic ultrasound (EUS) and Esophagogastroduodenoscopy (EGD)**
- **Endoscopic retrograde cholangiopancreatography (ERCP) and cholangioscopy**
- **Endoscopic vacuum-assisted sponge therapy**
- **EUS-guided fine needle aspiration and EUS-assisted ERCP**
- **Electrohydraulic lithotripsy of complex bile duct stones**
- **Colonoscopy**
- **Radiofrequency ablation**
- **Enteral stenting**
- **Endoscopic drainage of pancreatic pseudocysts**
- **Capsule endoscopy**
- **Double balloon enteroscopy**
- **Endoscopic mucosal resection**
- **Photodynamic therapy (PDT)**

We are the region's elite resource for the treatment of colon and rectal malignancies

COLON and RECTAL Cancer Care

Our multispecialty team approach, combined with the latest technological and treatment advances, offer your patient a level of expertise unrivaled in the region. Our tumor board meetings bring together our unique skill sets, experience and specialty training to personalize treatment for optimal outcome and quality of life.

At Roswell Park, we don't just follow the National Comprehensive Cancer Network (NCCN) clinical practice guidelines used around the world; we write them:

Steven Nurkin, MD, MS, serves on both of the NCCN panels that establish the best practices for treatment of colon and rectal cancers.



Expertise in treating hereditary and familial colon cancer syndromes and associated cancers.

Genetic testing for familial colon cancer syndromes.

What your patient **NEEDS TO KNOW** about us.

- Our expertise in **laparoscopic, robotic and single-incision surgery** optimizes patients' ability to complete treatments and recover quickly.
- Our fellowship-trained endoscopists and state-of-the-art endoscopy suite allow us to provide **advanced endoscopy approaches** to treat early-stage cancers and large pre-cancers, avoiding major surgery.
- **We offer multimodality colon and rectal cancer chemotherapy and radiation treatment** that can reduce or eliminate the need for surgery.
- **We have the ability to deliver intraoperative radiotherapy** to treat positive surgical margins during surgery.
- A high percentage of our patients **avoid a permanent colostomy**
- Our medical oncologists have specialized experience in **treatments at the forefront of cancer care**, incorporating tumor profiling and microsatellite instability testing, to use the latest chemotherapy combinations, immunotherapies and targeted agents.
 - We deliver precise **radiotherapy that reduces toxicity** and side effects.
 - We are **accruing several clinical trials** of emerging treatments.



Rated a High Performing Hospital for
COLON CANCER SURGERY by **U.S. NEWS & WORLD REPORT**



Our gastrointestinal surgery team includes fellowship-trained colon and rectal surgeon, **Anthony Dakwar, MD**, who specializes in complex colorectal and pelvic surgeries.

Treatment for COLORECTAL LIVER METASTASES

Offering extended survival and potential cure for advanced disease

One in four colorectal patients will already have liver metastases at the time of diagnosis, and among those who don't, about half will eventually develop them. Our dedicated program for treatment of liver metastases, in collaboration with our hepatobiliary surgeons and interventional radiologists, offers several treatment options, including:

- **Surgery by specialists** specific for colorectal cancer and the treatment of liver metastases
- **Combined surgery** to remove primary colorectal cancer and liver metastases in one operation
- **Laparoscopic, robotic and other surgical techniques** to resect metastases and sparing liver tissue for regeneration
- **Staged operations on the liver** that allow aggressive tumor removal, unavailable at other hospitals
- **Portal vein embolization before surgery** to stimulate growth of healthy liver portion and achieve safer tumor removal
- **Ablation therapies** including microwave and radiofrequency ablation, and intraoperative ablative procedures which spare normal liver
- **Radioembolization** with yttrium-90 spheres

HIGH-RISK COLORECTAL Cancer Screening

We offer a personalized, multidisciplinary approach to screening, surveillance and prevention for patients at high risk for colorectal cancer due to personal or family history of:

- ✓ **Hereditary cancer syndromes**
- ✓ **Early onset polyps or cancer diagnosis**
- ✓ **High number or rare types of polyps**

OUR PROGRAM INCLUDES:

- ✓ **Genetic counseling and testing**
- ✓ **Testing for related cancers such as thyroid, breast and gynecologic disease**
- ✓ **Pathology analysis, including immunohistochemical staining and testing microsatellite instability for mismatch repair protein deficiency and BRCA2**
- ✓ **Preventive options such as chemoprevention or prophylactic surgery**



HIGH-RISK PANCREATIC CANCER SCREENING

LIVER & PANCREAS Tumor Center

This center brings together a multidisciplinary team of experts focused on rare and complex hepatopancreaticobiliary cancers and conditions.

OUR PROGRAM INCLUDES:



Designation by the

**NATIONAL PANCREAS
FOUNDATION CENTER**

we are the region's
only NPF Center for
Pancreatic Cancer.

CARE TEAM INVOLVING

a designated
care coordinator

dieticians

palliative care and
case managers

social workers

to collectively create the full care plan for each individual patient.

The **latest technologies** and **therapies**
to deliver **state-of-the-art**
treatments to these high need patients.

Our pancreatic cancer screening program involves a complete physical exam, appropriate laboratory testing and screening every six months with endoscopic ultrasound (EUS) alternated with magnetic resonance cholangiopancreatography (MRCP). We offer this program to patients at high risk for pancreatic cancer due to one of the following:

- **Two or more first-degree relatives** with a diagnosis of pancreatic cancer
- **Three or more blood relatives** (with at least one first-degree relative affected) with a diagnosis of pancreatic cancer
- A diagnosis of **Peutz-Jeghers syndrome**
- A known **BRCA2 mutation plus two family members** (or one first-degree relative) with pancreatic cancer
- A diagnosis of a **genetic syndrome or mutation** that increases risk for pancreatic cancer, ie: Familial Atypical Multiple Mole Melanoma (FAMMM-CDKN2A) syndrome, Lynch syndrome, P16 (ATM) or PALB2, **and a first-degree relative with pancreatic cancer**

Expertise in treating NEUROENDOCRINE TUMORS

Neuroendocrine tumors are more prevalent than pancreas and gastric cancers combined. With few approved treatments and limited data for evidence-based medicine, patients benefit from dedicated multidisciplinary care that includes therapeutic endoscopists, interventional radiologists, endocrinologists and surgical and medical oncologists who specialize in these unique tumors.

Studies show that outcomes are better when care is coordinated and optimally sequenced. Our approach includes:

- **Surgical resection and/or ablative therapies**
- **Liver-directed therapies**
- **Novel imaging with gallium-68 dotatate PET**
- **Medical treatments using sandostatin, lanreotide, targeted agents and temozolamine-based combinations**
- **Peptide receptor radionuclide therapy (PRRT)**
- **Clinical trials of novel drugs**

SUPPORTIVE Care



We surround our patients and their families with other important care services to help maximize the benefit of cancer treatment, promote healing, relieve cancer's burden and aim for a higher level of lifelong wellness. These services include:

- **Nutrition Services** throughout the care continuum to assess and improve individual nutrient needs, provide strategies for nausea, constipation, taste changes, difficulty chewing and swallowing, and resist loss of muscle mass.
- **Supportive & Palliative Care Center** to address pain and other physical symptoms, improve quality of life and ease anxiety and emotional distress.
- **Rehabilitation Center** to combat treatment-related side effects such as pain and neuropathy, and maximize strength, mobility and function before, during and after surgery or other cancer treatment.
- **Sexual Health clinics** to address side effects that impact intimacy. We offer options for erectile dysfunction, incontinence, hormone problems, pain with intercourse, low libido, changes in anatomy, coping with an ostomy, and help for anxiety, depression and more.
- **Survivorship Care Center** to provide medical and preventive care, surveillance and screenings, symptom management, and social support and guidance for our patients who have completed active treatment.

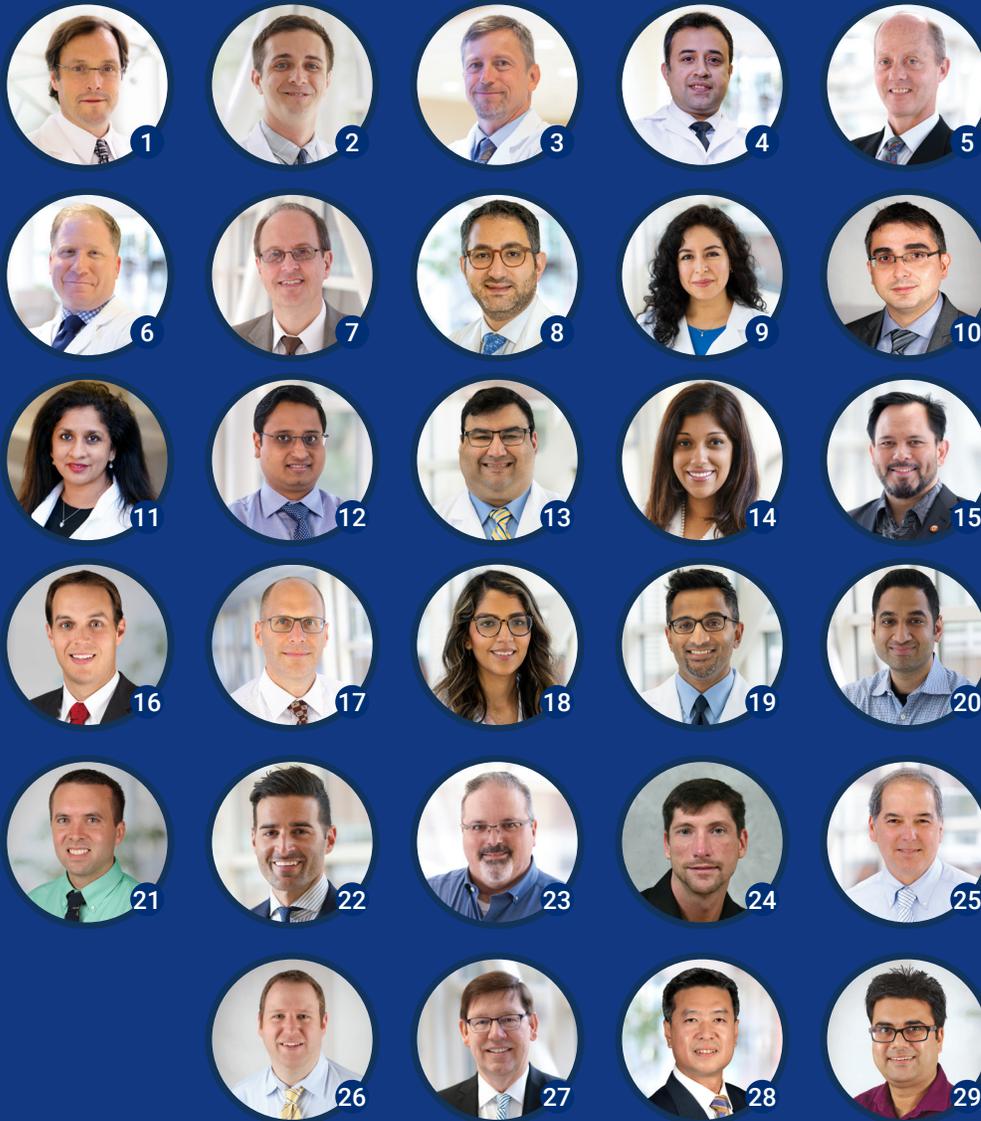


Clinical GENETICS Services

Our team of board-certified medical genetic counselors will review your patient's personal and family history to determine individual hereditary cancer risk assessment. Other services include:

- **Genetic testing using multi-gene panels**
- **Options for prevention, surveillance and screening**
- **Guidance regarding risk in family members**

Meet the Team



Surgical Oncology

- 1 Steven Hochwald, MD, MBA
- 2 Leonid Cherkassky, MD
- 3 Boris Kuvshinoff, MD, MBA
- 4 Moshim Kukar, MD
- 5 Gary Mann, MD
- 6 Steven Nurkin, MD, MS
- 7 Roderich Schwarz, MD, PhD

Colorectal Surgery

- 8 Anthony Dakwar, MD

Medical Oncology

- 9 Sylvia Alarcon, MD
- 10 Christos Fountzilias, MD
- 11 Renuka Iyer, MD
- 12 Sarbajit Mukherjee, MD, MS

Radiation Oncology

- 13 Deepak Vadehra, DO
- 14 Nadia Malik, MD
- 15 David Mattson, MD

Gastroenterology

- 16 Andrew Bain, MD
- 17 Kevin Robillard, MD
- 18 Sehrish Jamot, MD
- 19 Anoop Prabhu, MD

Diagnostic & Interventional Radiology

- 20 Omar Hasan, MD
- 21 Benjamin McGreevy, MD
- 22 Michael Petroziello, MD
- 23 Charles Roche, MD
- 24 Garin Tomaszewski, MD

Nuclear Medicine

- 25 Dominick Lamonica, MD
- 26 Paul Grant, DO

Surgical Pathology

- 27 Charles LeVea, MD
- 28 Kazunori Kanehira, MD

Endocrinology

- 29 Rajeev Sharma, MBBS, MD, FACE

Refer a Patient Call us today to discuss a case, confirm a diagnosis or refer a patient. **716-845-RPMD (716-845-7763)**



Your patient may prefer to receive cancer care closer to home at one of our Roswell Park Care Network practices, in these convenient locations:

ROSWELL PARK NORTHTOWNS
Williamsville, NY

ROSWELL PARK JAMESTOWN
Jamestown, NY

ROSWELL PARK DERMATOLOGY
Depew, NY

ROSWELL PARK SOUTHTOWNS
Orchard Park, NY

ROSWELL PARK BREAST SURGERY & MAMMOGRAPHY
Williamsville, NY

ROSWELL PARK UROLOGY
Niagara Falls, NY

Learn more about the services offered at each location at RoswellPark.org/CareNetwork



Elm & Carlton Streets | Buffalo, NY 14263 | RoswellPark.org/RPMD | 716-845-RPMD (716-845-7763)

National Cancer Institute-Designated Comprehensive Cancer Center | National Comprehensive Cancer Network Member
Blue Distinction® Center for Cellular Immunotherapy - CAR-T | Blue Distinction® Center for Cancer Care | Blue Distinction® Center for Transplants