

Colon and Rectal Cancer Care

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



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 experience** in laparoscopic, robotic and single-incision surgery.
- **Complex polypectomy program** to provide advanced endoscopic treatment for large complex polyps or early cancers.
- **Recurrent rectal cancer expertise** including complex pelvic operations, exenterations, sacrectomies and the use of intraoperative radiation.
- **Pelvic floor disorder** evaluation with rehabilitation; sacral nerve stimulation to address fecal incontinence.
- **Liver metastases program** in collaboration with our hepatobiliary surgeons and interventional radiologists to treat colorectal liver metastases.
- **Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy (HIPEC)** for well-selected patients with metastatic disease to the peritoneum.
- **Expertise in treating hereditary and familial colon cancer syndromes** and associated cancers.
- **Clinical trials** to access the latest emerging options

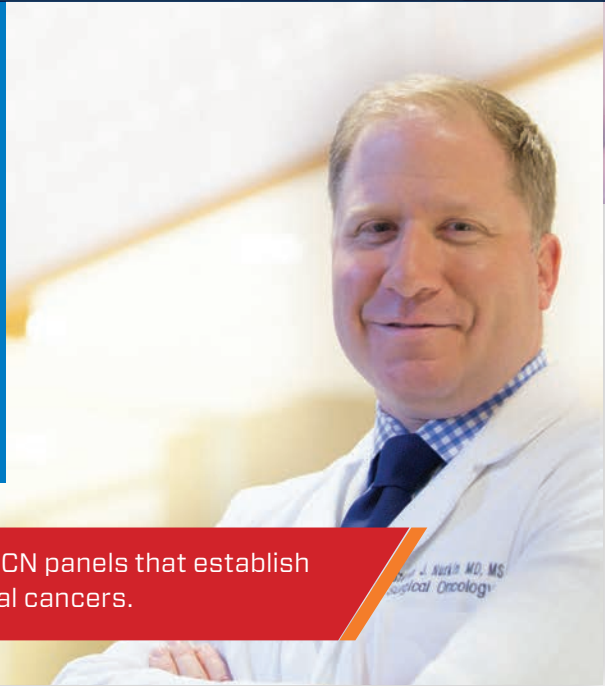
COLON and RECTAL Cancer Care

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.

We offer single-day patient visits to see multiple providers on the same day in order to receive complete evaluation and thorough treatment plan.

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.



COLON CANCER
SURGERY

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, FACS**, who specializes in colorectal cancer, inflammatory bowel disease, pelvic floor disorders, and complex colorectal and pelvic surgeries.



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



- + Our expertise in **laparoscopic, robotic and single-incision surgery** optimizes patients' ability to complete treatment and recover quickly.
- + Our fellowship-trained endoscopists and state-of-the-art endoscopy suite permit **advanced endoscopy approaches** to treat complex polyps, large precancers and early-stage malignancies — and avoid major surgery.
- + A high percentage of our patients **avoid a permanent colostomy** and even avoid surgery altogether with “watch and wait” management.
- + We offer **total neoadjuvant therapy for rectal cancer** and potential for improved response, less aggressive surgery, and better quality of life.
- + 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.
- + Our **Radiation Medicine team** is unrivaled in the region, offering the latest approaches to maximize cancer control and reduce toxicities.
- + We are accruing several **clinical trials** of emerging treatments.

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



Complex **POLYPECTOMY** Program

Offering advanced endoscopic treatment for complex polyps and early cancers

Many patients with complex polyps can avoid radical surgery and invasive colon and rectal resections. Thanks to the expertise of our gastroenterologists and colorectal surgeons, and our advanced technology, we offer less invasive treatments, including:

- **Endoscopic mucosal resection**
- **Endoscopic submucosal dissection**
- **Robotic/Transanal procedures**

Most patients can be treated on an outpatient basis, or with an overnight stay. Our gastrointestinal pathologists analyze all polyps removed at Roswell Park and review all outside pathology for polyp type, resection margin, and the presence of dysplasia or malignancy.

CRS/HIPEC for advanced peritoneal disease

Cytoreductive surgery (CRS) followed by hyperthermic intraperitoneal chemoperfusion (HIPEC) is a complex procedure that can be performed safely and effectively

Peritoneal carcinomatosis affects as many as 10 to 30% of patients with colorectal cancer and represents a challenging treatment issue. CRS/HIPEC involves meticulous debulking surgery and chemotherapy dosing at 3 to 4 times higher than maximum for systemic dosing. Heating the drugs increases drug uptake by tumor cells and by be directly tumoricidal.

Our ability to combine leading-edge surgical and chemotherapeutic techniques to maximize treatment response and minimize toxicity offers patients:

- ✓ Potentially curative option even for those with significant tumor burden
- ✓ Chemotherapy free time
- ✓ Feasible option for traveling patients. CRS/HIPEC is a one-time treatment.



IS YOUR PATIENT A CANDIDATE FOR CRS/HIPEC?

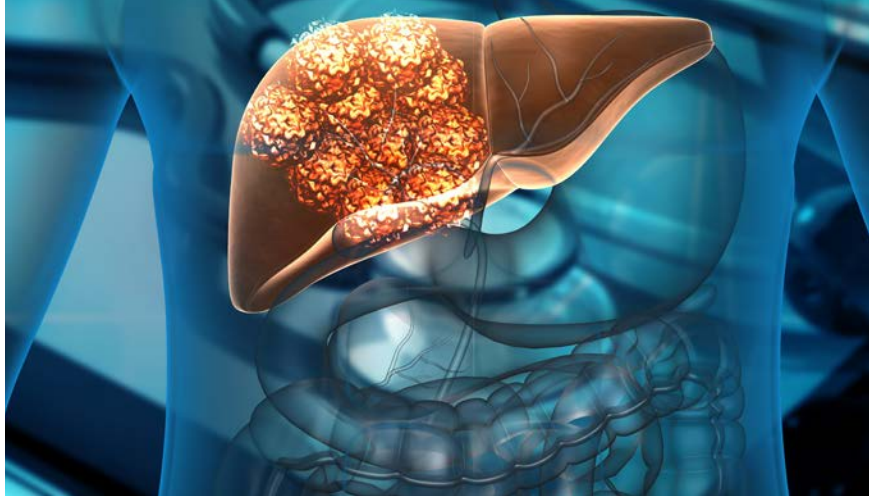
Call us today to discuss.

716-845-RPMD (716-845-7763)

Garry Mann, MD, FACS, specializing in Cytoreductive Surgery and HIPEC

RECURRENT RECTAL CANCER

For patients that have developed a recurrent rectal cancer, it is critical that they undergo evaluation and surgery with a high-volume, experienced team. Roswell Park has world leaders in these challenging cases.



WE OFFER:

- **Collaboration with Urologic, Gynecologic, Plastic and Orthopedic/Spine surgery** to perform multivisceral surgical resections, including sacrectomies and pelvic exenterations with reconstructions.
- **Intraoperative radiation (IORT)** to treat pelvic side wall or bone involvement in high-risk tumors.
- **Integrated support** with dietitians, intensive pelvic floor rehabilitation, and occupational and physical therapy services for these high-risk patients.

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 colorectal liver metastases program collaborates with our hepatobiliary surgeons and interventional radiologists to offer several game-changing options, including:

- **Resection of liver metastases** with laparoscopic, robotic and other surgical techniques that also spare liver tissue for regeneration.
- **Combined surgery** to remove primary colorectal cancer and liver metastases in one operation
- **Staged liver operations** 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
- **Hepatic Arterial Infusion (HAI) Pump** to deliver higher chemotherapy concentration to the liver without the significant systemic effects.
- **Ablation therapies** including microwave ablation and intraoperative ablative procedures which spare normal liver
- **Radioembolization** with yttrium-90 spheres



Roswell Park physical therapist **Renée Genereux, DPT**, specializes in helping patients overcome pelvic floor dysfunction.

PELVIC FLOOR Disorders

For patients that struggle with pelvic floor weakness, we offer physical therapy with a dedicated pelvic floor specialist. For chronic weakness and fecal incontinence, we perform **Sacral Neuromodulation (SNM)** procedures by gently stimulating the sacral nerves to help improve function and quality of life.

“

Breakthrough immunotherapies are making an impact in colorectal cancer, and this is only possible through clinical trials. You can get standard treatment anywhere, but at Roswell Park, we are always trying to move the bar so more patients can benefit from these new options.”

- **Sarbajit Mukherjee, MD, MS**,
Co-Leader, GI Translational Research Group,
oversees multiple clinical trials at Roswell Park.





SUPPORTIVE Care

We surround our patients and their families with other important care services to maximize the benefit of treatment, promote healing and aim for a higher level of lifelong wellness.

SOME OF THESE INCLUDE:

- **Young Adult Cancer program** to provide emotional, social and practical support to patients in their 20s and 30s.
- **Oncofertility program** to access fertility preservation options.
- **Nutrition services** throughout the care continuum.
- **Ostomy Support Group** to help patients adjust to an ostomy.
- **Sexual Health Clinic** to address side effects that impact intimacy.



We are the region's experts for treating hereditary and familial colon cancer syndromes and associated cancers."

- Deepak Vadehra, DO

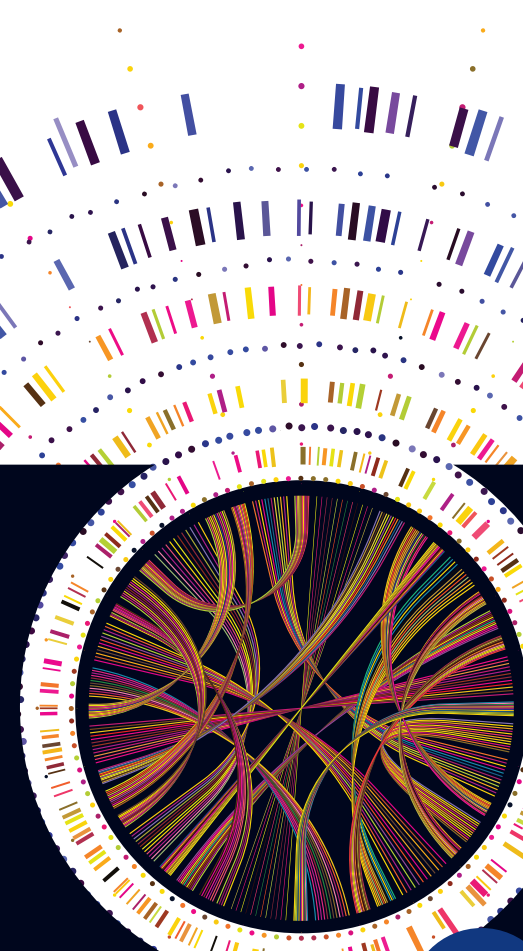
Assistant Professor of Oncology
DEPARTMENT OF MEDICINE
Gastrointestinal Center



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 Nurkin, MD, MS
Chief of Colorectal Surgery
- 2 Benjamin Calvo, MD, FACS
- 3 Leonid Cherkassky, MD
- 4 Boris Kuvshinoff, MD, MBA
- 5 Gary Mann, MD, FACS

COLORECTAL SURGERY

- 6 Anthony Dakwar, MD, FACS

MEDICAL ONCOLOGY

- 7 Renuka Iyer, MD
Chief of Gastrointestinal Oncology
- 8 Christos Fountzilas, MD
- 9 Sarbajit Mukherjee, MD, MS
- 10 Deepak Vadehra, DO

RADIATION ONCOLOGY

- 11 Nadia Malik, MD
- 12 David Mattson, MD
Director, GI and GYN Radiation

GASTROENTEROLOGY

- 13 Andrew Bain, MD, Chief of Endoscopy
- 14 Sehrish Jamot, MD
- 15 Anoop Prabhu, MD
- 16 Kevin Robillard, MD

DIAGNOSTIC & INTERVENTIONAL RADIOLOGY

- 17 Alexander Croake, MD
- 18 Craig Hendler, MD
- 19 Omar Hasan, MD
- 20 Thomas Laudico, DO
- 21 Benjamin McGreevy, MD
- 22 Michael Petroziello, MD
- 23 Charles Roche, MD
- 24 Garin Tomaszewski, MD

PATHOLOGY

- 25 Kazunori Kanehira, MD
- 26 Charles LeVe, MD, PhD
- 27 Jingxin Qiu, MD, PhD

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
SOUTHTOWNS
Orchard Park, NY

ROSWELL PARK
JAMESTOWN
Jamestown, NY

ROSWELL PARK
BREAST SURGERY & MAMMOGRAPHY
Williamsville, NY

ROSWELL PARK
DERMATOLOGY
Depew, NY

ROSWELL PARK
NIAGARA FALLS BOULEVARD
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