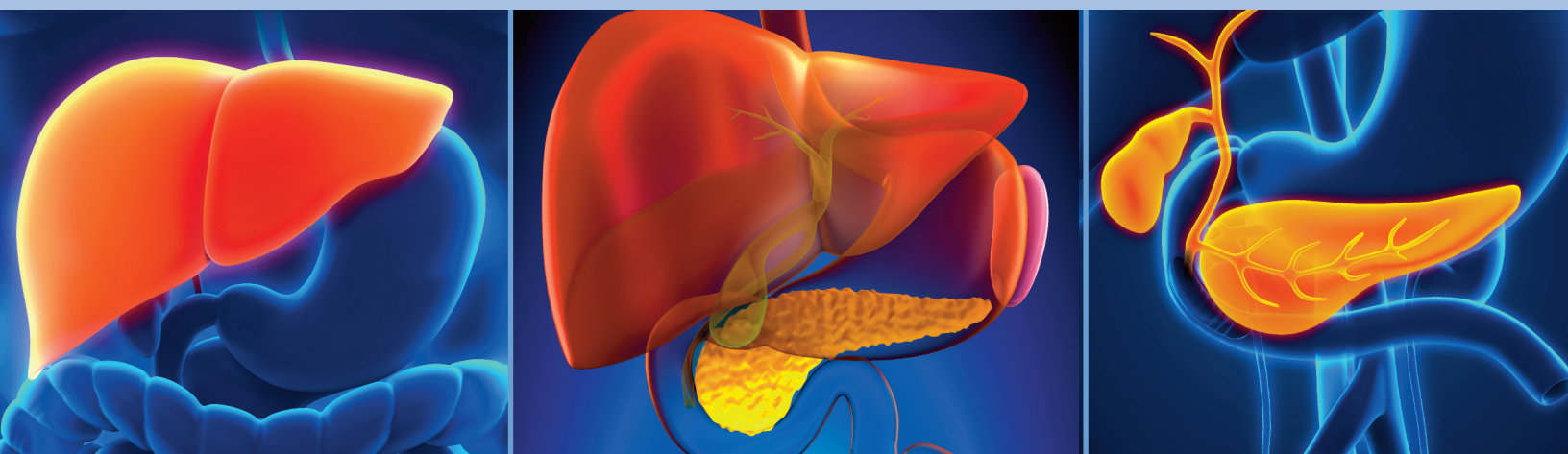


# Liver & Pancreas Tumor Center



Our team of specialty board-certified experts focuses exclusively on these rare and complex hepatopancreatobiliary (HPB) cancers.

## What Sets Us Apart

- **Our experience** from the performance of high volumes of pancreas and liver resections
- **Quicker recovery** from minimally-invasive laparoscopic partial liver and pancreas resections
- **Optimal incorporation and sequencing** of state-of-the-art liver-directed therapies that improve survival and quality of life
- **Multidisciplinary care teams** employ neoadjuvant therapies to improve patient outcomes and make potentially curative surgery possible
- **Highly-skilled** advanced endoscopists that are fellowship trained and utilize endoscopic ultrasound for optimal staging and diagnosis
- **Latest diagnostic imaging** for early tumor detection
- **Clinical trials** that offer tomorrow's promising treatments today

# The Liver & Pancreas Tumor Center

Collective Expertise & Continued Collaboration  
Within a Multidisciplinary Care Team

**Co-Directors: Roderich Schwarz, MD, PhD and Renuka Iyer, MD**

This center brings together a multidisciplinary team of specialists – surgical, medical and radiation oncologists among other specialists – who meet weekly to discuss and develop patient care strategies using evidence-based guidelines. A designated care coordinator and members of the supportive services care team including nutritionists, social workers, palliative care and case managers, collectively create the full care plan for each individual patient to guide them on their cancer journey.

In addition, these expert teams utilize the latest technologies and therapies to care for rare and complex hepatopancreatobiliary (HPB) cancers including:

- **Primary liver cancer**
- **Pancreas cancer**
- **Bile duct and gallbladder cancer**
- **Ampullary and duodenal cancer**
- **Neuroendocrine tumors** (carcinoid, islet)
- **Metastatic tumors to the liver** (colorectal or carcinoid metastases)
- **Cystic pancreatic and liver tumors**

## NOVEL CLINICAL RESEARCH STUDIES

We offer the latest therapies through clinical research studies.

For more information about current trials, call **716-845-RPMD** (716-845-7763) or go to [RoswellPark.org/clinical-trials/list](https://www.RoswellPark.org/clinical-trials/list).

**Our 30-day mortality, length of hospital stay, and pneumonia rate after liver and pancreas surgery are among the best in the nation.**

## Diagnostic and Interventional Services We Offer

Our range of diagnostic and therapeutic interventions is unmatched by any facility in Western New York and includes: liver-directed therapies, advanced biliary endoscopy, minimally invasive surgery and high-risk pancreatic screening with genetic counseling.

### LIVER-DIRECTED THERAPIES

- Hepatectomy (minimally invasive and open)
- Bile duct resection and reconstruction
- NanoKnife Irreversible Electroporation (IRE)
- Microwave Ablation (MWA)
- Transarterial embolization with drug-eluting beads (DEB)
- Radioembolization (SIR-Spheres or Theraspheres)
- Precision-targeted radiation therapy

### ADVANCED BILIARY ENDOSCOPY

- Endoscopic ultrasound and biopsy
- Therapeutic ERCP
- Biliary and enteric stents
- Endoscopic mucosal resection
- Internalization of external biliary stents
- Cholangioscopy

### MINIMALLY INVASIVE SURGERY (laparoscopic and robot-assisted surgery)

- Liver and pancreas resections
- NanoKnife for both pancreas and liver tumors
- Microwave ablation of liver tumors
- Intraoperative ultrasound
- Bowel resection



## Expertise in Treating Neuroendocrine Tumors

**Carcinoid or neuroendocrine tumors** are more prevalent than pancreas and gastric cancers combined. Because of the few approved treatments and limited data for evidence-based medicine, these 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 have shown that outcomes are better when care is coordinated and optimally sequenced. Our approach includes:**

- **Surgical resection** and/or **ablative therapies**
- **Liver-directed therapies** such as chemo- and radioembolization
- **Novel imaging** for neuroendocrine tumors using gallium-68 dotatate PET
- **Medical treatments** using sandostatin, lanreotide, targeted agents and temozolamide-based combinations
- **Clinical trials** of novel drugs and Peptide Receptor Radionuclide Therapy (PRRT)

**Roswell Park has the infrastructure, resources and multidisciplinary expertise to manage co-morbidities associated with these complex cancers. Our comprehensive approach to treating the whole patient has one goal – to make a meaningful impact on the patient’s outcome and quality of life.”**

*– Renuka Iyer, MD*



## Expertise in Treating Colorectal Cancer Liver Metastases

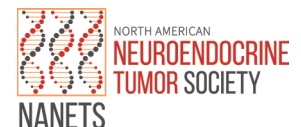
Multidisciplinary approaches at Roswell Park have expanded the proportion of patients eligible for surgical therapy from 10% reported in national databases to at least 30%. Our approach includes:

- **Initial chemotherapy** to shrink tumors and facilitate margin negative resection
- **2-stage liver resection** for bilobar disease
- **Portal vein embolization** to allow more extensive liver surgery
- **Transarterial radioembolization** optimally sequenced with chemotherapy
- **Ablative therapies** such as microwave ablation or NanoKnife® Irreversible Electroporation (IRE)
- **Clinical trials** of novel chemotherapy, targeted and immunotherapy agents

## Hepatocellular Cancer Treatments

- **Surgical treatments.** Compared to national averages, we operate on more high-risk patients with cirrhosis and HCC, with superior patient outcomes.
- **Liver-directed therapies** with microwave ablation, chemoembolization and/or radioembolization as both destination and “bridge to transplant” therapies.
- **Novel trials** incorporating immunotherapy into existing treatments, such as sorafenib with pembrolizumab for advanced HCC.

## WHY ROSWELL PARK FOR RARE CANCERS?



- We are the only comprehensive cancer center designated by the **National Cancer Institute (NCI)** in Upstate New York.
- We are a charter member of the **National Comprehensive Cancer Network (NCCN)**. Our physicians sit on NCCN and **Delphi Panels**, and create the practice guidelines to treat liver, pancreas, bile duct and neuroendocrine tumors.
- Our physicians are endorsed for their expertise by leading organizations such as the **Carcinoid Cancer Foundation**, the **Cholangiocarcinoma Foundation** and the **North American Neuroendocrine Tumor Society (NANETS)**.



# Meet the Team

As a multidisciplinary comprehensive cancer center, we call upon highly skilled professionals from all areas of cancer care, dedicated to work collaboratively to treat the whole patient, not just the cancer.



To speak with one of our HPB physicians, or to refer a patient, call the **RPMD line at 716-845-RPMD (716-845-7763)**, Monday through Friday, 8 am-8 pm.

## COMMUNITY CARE CENTER PHYSICIANS

### Breast Care of Western New York

Melissa Hughes, MD  
Mariola Poss, MS, FACS

### Roswell Park Hematology Oncology Northtowns

Saif Soniwala, MD                      Frederick Hong, MD  
Adam Kotowski, MD                  Michael Krabek, MD, PhD  
Bhuvana Ramkumar, MD

### Roswell Park Hematology Oncology Southtowns

Isosceles Garbes, MD

### Jamestown Medical Oncology & Hematology

Jairus Ibabao, MD

### Roswell Park Hematology Oncology of Niagara

Bhuvana Ramkumar, MD

*Your patient may prefer to receive cancer care closer to home at one of Roswell Park's community practices at these convenient locations.*

### Surgical Oncology

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

### Medical Oncology

- 7 Patrick Boland, MD
- 8 Amy Early, MD, FACP
- 9 Christos Fountzilas, MD
- 10 Renuka Iyer, MD

### Radiation Oncology

- 11 David Mattson, MD

### Gastroenterology

- 12 Andrew Bain, MD
- 13 Kevin Robillard, MD

### Diagnostic & Interventional Radiology

- 14 Michael Petroziello, MD
- 15 Charles Roche, MD
- 16 Garin Tomaszewski, MD

### Nuclear Medicine

- 17 Dominick Lamonica, MD

### Surgical Pathology

- 18 Charles LeVea, MD
- 19 Kazunori Kanehira, MD
- 20 Theresa Smith, DO

### Endocrinology

- 21 Rajeev Sharma, MBBS, MD, FACE

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[www.RoswellPark.org/rpmd](http://www.RoswellPark.org/rpmd)

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