



# Comprehensive Surgical Care for GI Cancers

UPMC Hillman Cancer Center combines the expertise of board-certified, fellowship-trained surgeons with the latest surgical techniques to deliver comprehensive care for patients with all types of gastrointestinal (GI) cancers.



## Conditions We Treat

UPMC Hillman Cancer Center's team of expert surgeons provides comprehensive, individualized care for patients with all types of gastrointestinal (GI) cancers, including:

- Appendiceal cancer
- Colorectal cancer
- Liver cancer (hepatocellular carcinoma and cholangiocarcinoma)
- Gallbladder cancer
- Melanoma
- Neuroendocrine tumors
- Pancreatic cancer
- Peritoneal carcinomatosis
- Peritoneal mesothelioma
- Soft tissue sarcomas
- Upper GI malignancies

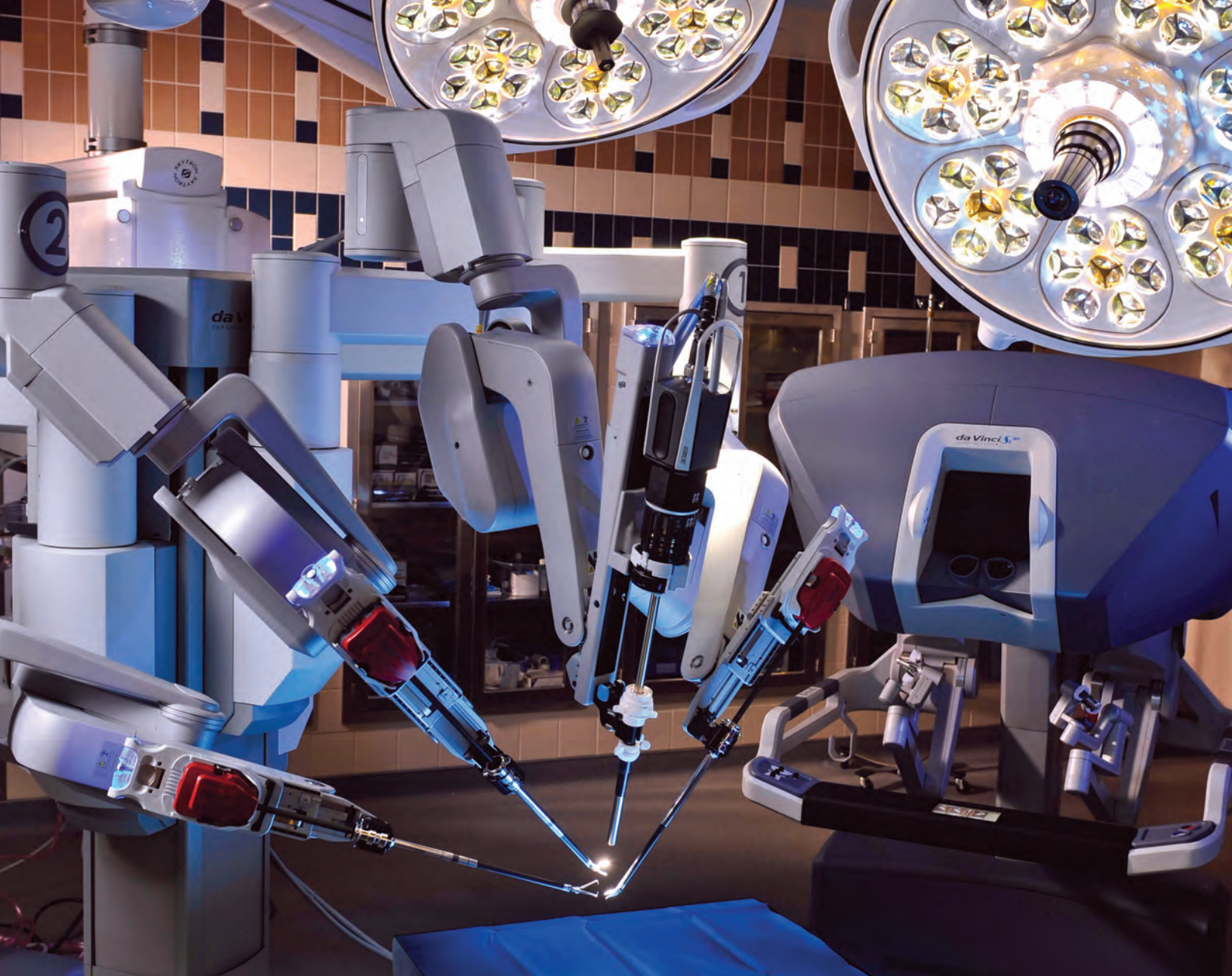
**UPMC's surgeons have pioneered some of the most advanced and complex GI cancer surgeries** and are among the most experienced in the United States. Some of our program highlights include:

- More experience with robotic Whipple surgeries than anyone else in the country, with nearly 800 robotic Whipples, and more than 1,200 robotic pancreatic surgeries total
- More than 1,000 minimally invasive liver resections
- More than 1,900 cytoreductive surgery/hyperthermic intraperitoneal chemoperfusion (CRS/HIPEC) procedures

## Treatment Options

Our experts work collaboratively to develop an effective, individualized treatment plan for each patient that may include surgery, chemotherapy, radiation therapy, placement on clinical trials, or a combination of treatments to best meet their needs. We specialize in:

- **Single-incision laparoscopy:** A tiny incision is made in the navel, decreasing blood loss and post-surgical pain and improving recovery time.
- **Robotic pancreatectomy:** Using minimally invasive and robotic instruments, the surgeon can view the operating field in 3D when removing the pancreas with or without the spleen.
- **Laparoscopic liver resection:** Surgeons remove benign or malignant tumors of the liver through three or four keyhole-sized incisions.
- **Tumor-infiltrating lymphocyte therapy (TIL):** In this procedure, surgeons remove metastatic tumors, harvest the cancer-fighting lymphocytes from within these tumors, and expand them to create an army of cancer-fighting cells that are reinfused into the patient a few weeks later.
- **Sphincter-sparing rectal surgery:** During this procedure, the surgeon will remove the rectum and a small rim of normal bowel but not the anus, preventing the need for a colostomy.



- **Cytoreductive surgery with hyperthermic intraperitoneal chemoperfusion (CRS/HIPEC):** Surgeons remove as many visible tumors as possible, then circulate heated chemotherapy solution through the affected area for several hours to kill cancer cells.
- **Radiofrequency and microwave ablation (RFA & MWA):** For people with inoperable primary or metastatic liver tumors, RFA/MWA utilizes tiny electrodes and heat to destroy cancer cells. These are usually performed with a minimally invasive approach.
- **Regional liver perfusion therapies:** Treatments that deliver chemotherapy or radiation beads directly to the artery that supplies blood to the liver tumors.
- **Liver transplant:** For patients with hepatocellular carcinoma (HCC), who also have cirrhosis of the liver, a liver transplant may be an option.



## Research and Clinical Trials

Our team conducts research to better understand the disease, enhance early diagnosis, and develop more effective treatments. Our current research initiatives include:

- Tumor infiltrating lymphocyte (TIL) therapy for bile duct, gallbladder, and other select GI tumors
- Immunotherapies for pancreatic cancer
- Investigational chemotherapy
- Radiation therapy
- Innovative chemoembolization
- Use of new viruses to destroy tumors
- Genetic research to improve early detection methods
- Molecular mechanisms responsible for apoptosis (programmed cell death) of liver cancer cells

## Multidisciplinary Tumor Board

The surgical oncology team meets regularly to discuss patient outcomes, review best practices, and provide a resource for referring physicians. Referring physicians work collaboratively with our surgeons throughout the treatment process, helping to develop care plans and follow-up care.

## Locations

- Digestive Disorders Center, UPMC Presbyterian
- UPMC Hillman Cancer Center, Erie
- UPMC Hillman Cancer Center, Monroeville
- UPMC Hillman Cancer Center, UPMC Passavant
- UPMC Presbyterian Shadyside
- UPMC Hillman Cancer Center, Shadyside
- UPMC Hillman Cancer Center, UPMC Williamsport
- UPMC Liver Cancer Center, Butler
- UPMC Liver Cancer Center, Farrell
- UPMC Liver Cancer Center, UPMC Northwest
- UPMC Montefiore

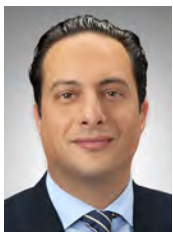
## Learning Opportunities

Scan here for the latest videos featuring our expert surgeons and virtual CME opportunities.



## Referring a Patient to Our Expert Team

GI surgical oncologists of UPMC Hillman Cancer Center are board-certified and fellowship-trained. They provide unparalleled expertise in the fight against cancer and other complex disorders.



### **Amer H. Zureikat, MD, FACS**

*Vice Chair of Surgery, Surgical Oncology,  
Department of Surgery, UPMC*

*Chief of Surgical Oncology, UPMC Hillman  
Cancer Center*

*UPMC Chair of Clinical Surgery, Department  
of Surgery, University of Pittsburgh School  
of Medicine*

**Board Certification:** American Board of Surgery

**Fellowship:** UPMC

**Focus:** Pancreatic cancer, liver cancer, upper  
GI malignancies, duodenum

**Referrals:** 412-692-2852



### **David A. Geller, MD**

*Chief, Hepatobiliary Surgery, UPMC  
Director, UPMC Liver Cancer Center*

*Richard L. Simmons Professor of Surgery,  
University of Pittsburgh School of Medicine*

**Board Certification:** American Board of Surgery

**Fellowship:** UPMC

**Focus:** Liver cancer, laparoscopic liver  
resections, radiofrequency ablation of liver  
tumors

**Referrals:** 412-692-2001

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**M. Haroon A. Choudry, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowship:** UPMC

**Focus:** Peritoneal surface malignancies, upper GI malignancies, melanoma

**Referrals:** 412-692-2852



**Melanie C. Ongchin, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowship:** UPMC

**Focus:** Skin cancer, peritoneal metastases, mesothelioma, melanoma, sarcoma, upper gastrointestinal malignancies, colorectal cancer

**Referrals:** 412-748-6454



**Steven Evans, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowships:** UPMC, National Cancer Institute, Bethesda, Md.

**Focus:** Laparoscopic groin and umbilical hernia repair; partial and complete regional lymph node dissections; sentinel lymph node dissections, breast biopsy, lumpectomy

**Referrals:** 412-692-2852



**Alessandro Paniccia, MD**

**Board Certification:** American Board of Surgery  
**Fellowships:** University of Colorado, Denver, UPMC

**Focus:** Pancreatic cancer, upper GI malignancies, pancreatic disease

**Referrals:** 412-692-2852



**Matthew P. Holtzman, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowship:** UPMC

**Focus:** Peritoneal surface malignancies, melanoma, colorectal cancer

**Referrals:** 412-692-2852



**James F. Pingpank, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowship:** Fox Chase Cancer Center, Philadelphia

**Focus:** Liver cancer, peritoneal surface malignancies, regional perfusion, melanoma

**Referrals:** 412-692-2852



**Udai S. Kammula, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowships:** National Cancer Institute, Bethesda, Md., Memorial Sloan Kettering Cancer Center, NY

**Focus:** Immunotherapy research and clinical trials

**Referrals:** 412-692-2852



**Joshua T. Rubin, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowships:** Mark O. Hatfield Clinical Research Center, Bethesda, Md., Mt. Sinai Hospital, Hartford, Conn.

**Focus:** Breast cancer, melanoma, colorectal cancer

**Referrals:** 412-692-2852



**Andrew Joon Hyung Lee, MD, PhD**

**Board Certification:** American Board of Surgery  
**Fellowship:** University of Texas MD Anderson Cancer Center

**Focus:** Peritoneal surface malignancies, upper GI malignancies

**Referrals:** 412-692-2852



**Samer T. Tohme, MD**

**Board Certification:** American Board of Surgery  
**Fellowship:** UPMC

**Focus:** Liver cancer, robotic surgery

**Referrals:** 412-692-2001



**Kenneth Lee, MD, FACS**

**Board Certification:** American Board of Surgery  
**Fellowship:** University of Chicago Pritzker School of Medicine

**Focus:** Pancreatic cancer, upper GI malignancies dissections, breast biopsy, lumpectomy

**Referrals:** 412-692-2852

**About UPMC Hillman Cancer Center**

UPMC Hillman Cancer Center connects patients to the integrated expertise of leading clinicians, academic researchers, specialty programs, and treatment centers. Designated as a Comprehensive Cancer Center by the National Cancer Institute, we are accelerating the breakthroughs in our labs into clinical practice around the world. Backed by the collective strength of UPMC and the University of Pittsburgh School of Medicine, UPMC Hillman Cancer Center is transforming cancer research, care, and prevention — one patient at a time.

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## **UPMC Hillman Cancer Center**

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Pittsburgh, PA 15232

**UPMCHillman.com**

A \$23 billion health care provider and insurer, Pittsburgh-based UPMC is inventing new models of patient-centered, cost-effective, accountable care. The largest nongovernmental employer in Pennsylvania, UPMC integrates 92,000 employees, 40 hospitals, 700 doctors' offices and outpatient sites, and a 4 million-member Insurance Services Division, the largest medical insurer in western Pennsylvania. In the most recent fiscal year, UPMC contributed \$1.4 billion in benefits to its communities, including more care to the region's most vulnerable citizens than any other health care institution, and paid more than \$800 million in federal, state, and local taxes. Working in close collaboration with the University of Pittsburgh Schools of the Health Sciences, UPMC shares its clinical, managerial, and technological skills worldwide through its innovation and commercialization arm, UPMC Enterprises, and through UPMC International. U.S. News & World Report consistently ranks UPMC Presbyterian Shadyside among the nation's best hospitals in many specialties and ranks UPMC Children's Hospital of Pittsburgh on its Honor Roll of America's Best Children's Hospitals. For more information, go to **UPMC.com**.