



THE

Digestive Disease Center

AT TEMPLE UNIVERSITY HOSPITAL



Digestive
Disease Center

Temple University Hospital



(From left) Dr. Joel Richter, Chair, Department of Medicine; Dr. Robert Fisher, Chief, Section of Gastroenterology; Dr. Benjamin Krevsky, Associate Chief, Section of Gastroenterology and Director, Gastrointestinal Endoscopy

The Digestive Disease Center: New Home, Same Outstanding Care

When I came to Temple University Hospital in 2004, I already knew of Temple's excellent reputation in the area of gastroenterology and gastrointestinal surgery. As a practicing gastroenterologist myself, I know a world-class program when I see one.

It did not take me long to realize that is exactly what this region has in the Digestive Disease Center at Temple University Hospital.

Boasting nationally recognized physicians, cutting-edge research, advanced technology, excellent customer service, and an attractive, patient-friendly home in Temple's new Ambulatory Care Center, the Center is *hands down* one of the nation's best for the diagnosis and treatment of digestive disorders and gastrointestinal diseases.

From routine cancer screenings to the most sophisticated treatment techniques, the staff at the Digestive Disease Center does it all. That is why thousands of people from around the region and beyond turn to Temple for their gastrointestinal care.

For the best in patient care and comfort, I invite you to consider the Digestive Disease Center at Temple University Hospital.

Joel Richter, M.D.
*Professor and Chair
Department of Medicine*

WORLD-CLASS FACILITIES

The Digestive Disease Center's endoscopy suite, GI motility lab and outpatient practice are located in Temple University Hospital's beautiful new Ambulatory Care Center. With 20,000 square feet of space, the Center features all-digital endoscopic imaging, enhanced digital fluoroscopy, and new endoscopic technology such as ultrathin endoscopes — all in a comfortable, patient-friendly environment. In addition, the GI motility lab offers the newest tests for patient evaluation. Easy to reach from the city or the suburbs, the Center provides valet parking as well as private changing rooms and recovery area.



NATIONALLY RECOGNIZED PHYSICIANS

With a medical staff made up of “Best Doctors” in their fields, the Digestive Disease Center draws patients from all over the East Coast and beyond.

Temple University Hospital gastroenterologists regularly speak at professional meetings, publish frequently, serve as editors of medical journals and have been course directors for the American Gastroenterological Association and the American College of Gastroenterology national postgraduate courses.

Temple’s GI team has earned a reputation for excellence and innovative care due in part to its successful treatment of unusual or difficult cases. Says one outside specialist, “When all else fails for my patients, the Temple GI team still has something to offer.”

LEADING RESEARCH AND INNOVATION

The Digestive Disease Center is a major center for research, particularly in the fields of esophageal, gastric and colonic motility. This research, along with a large clinical practice, allows Temple to apply the very latest techniques to treat even the most challenging cases.

Temple University Hospital patients have access to virtually every available endoscopic, manometric and endosonographic treatment option — plus some investigational diagnostic and therapeutic procedures not available elsewhere.

Center researchers are supported by significant grants from the National Institutes of Health, national associations and foundations and private industry.

Dr. Frank Friedenberg



Dr. Larry Miller, Director, Endoscopic Research; Deborah Foster, RN

ADVANCED DIAGNOSTICS

The Digestive Disease Center offers diagnostic tests not available everywhere. The Center was one of the first to screen patients with high-definition (HD) digital imaging endoscopes, which offer higher resolution, narrower color-band imaging and a wider field of view. The Center also offers:

- SmartPill®, a wireless capsule patients swallow for a rapid motility screen of the entire GI tract
- Solid-state, high-resolution, pressure-measuring devices capable of measuring every centimeter of the esophagus, rather than every 5 centimeters
- High-resolution ultrasound
- Dedicated push enteroscopes
- Ultra-thin scopes that permit unsedated endoscopy
- PillCam SB®, a wireless capsule endoscope for small bowel imaging
- PillCam ESO®, a wireless capsule endoscope for the esophagus

A COMPREHENSIVE ARRAY OF SERVICES

From the most common GI ailments to the most complex, the Digestive Disease Center at Temple University Hospital offers a full range of services and treatment options. They include:

General Gastroenterology

With 12 gastroenterologists on staff, the Digestive Disease Center plays a leading role in the understanding of gastrointestinal disease and in developing innovative and successful treatments for patients.

The Center's physicians see and treat patients with a wide range of medical problems related to the stomach, intestinal tract, biliary tract, gallbladder, bowel and liver.

The Center also offers specialized management of the following problems:

- Diseases of the esophagus, including evaluation and treatment of heartburn, Barrett's esophagus and swallowing difficulties
- Prevention of colorectal cancer
- Peptic ulcer disease
- Viral infections of the liver, including hepatitis C and B
- Chronic abdominal pain
- Chronic constipation
- Irritable Bowel Syndrome



Dr. Brenda J. Horwitz,
Director, Gastroenterology
Fellowship Program

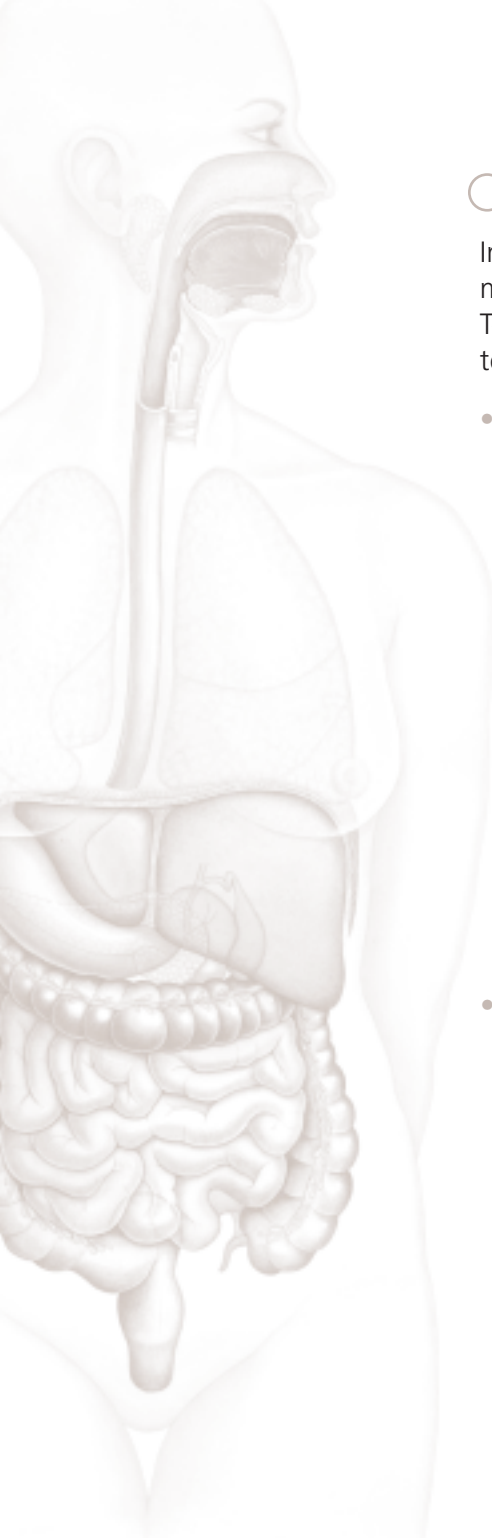
Esophageal and GI Motility Disorders

For years, some patients with unexplained heartburn, nausea, vomiting, dysphagia, constipation or abdominal pain have been difficult to accurately diagnose and treat. However, in the last decade, Temple University Hospital physicians have played a vital part in measuring gastrointestinal myoelectric and contractile activity as well as transit.

Temple physicians are leading experts in complicated esophageal disease, including gastroesophageal reflux disease and its complication, Barrett's esophagus, achalasia and post-surgical problems. Temple has the largest center for evaluating gastroparesis patients on the East Coast and the third largest gastric pacemaker program in the nation.

Dr. Henry Parkman, Director, GI Motility Laboratory and Director, Clinical Research Unit; Rae Hardnett-McCoy, GI Technician





In addition to routine testing, such as esophageal manometry and anal manometry with biofeedback, Temple physicians also perform other cutting edge techniques and tests, including:

- Esophageal Testing: Routine esophageal manometry
 - High-resolution esophageal manometry
 - Combined esophageal manometry/endoscopic ultrasound
 - Combined esophageal manometry/impedance/pH testing
 - Combined esophageal pH/manometry monitoring
 - Esophageal transit scintigraphy
 - Gastroesophageal reflux scintigraphy
 - PillCam®
- Stomach Testing: Electrogastrography
 - 4-hour dual isotope gastric scintigraphy
 - Antroduodenal manometry
 - Dynamic antral scintigraphy
 - Combined gastric volume/gastric emptying testing
 - Satiety testing
 - Bile reflux scintigraphy
 - SmartPill® measurement of pH/contractions/temperature

- Small Bowel: Antropyloroduodenal monitoring
 - Small bowel manometry
 - Gastroenteric scintigraphy
 - SmartPill® monitoring of pH/contractions
 - Breath testing
- Biliary Tract: Sonographic gallbladder emptying
 - Cholescintigraphy
 - Cholecystogastric scintigraphy
 - Enterogastric scintigraphy
- Colon/Anorectal: Gastroenterocolic (whole gut) scintigraphy
- Sphincter Complex: SmartPill® measurement of pH/contraction/temperature
 - Anal manometry
 - Anal electrogastrography
 - Balloon expulsion testing
 - Defecography

For example, the Digestive Disease Center is one of the few to offer antroduodenal motility, esophageal and gastric impedance tomography, electrogastrography, whole-gut transit testing, and the more patient-friendly capsule pH test.

Dr. Benjamin Krevsky; Richard Jones, RN



GI Physiology Laboratory

Access to a GI physiology laboratory vastly improves the ability to screen and test patients, especially those with symptoms that are difficult to diagnose and treat. The following tests are performed in Temple's state-of-the-art laboratory:

- Gastric acid secretory testing
- Glucose and xylose tolerance testing
- Impedance testing
- A full complement of breath testing (lactose, lactulose, fructose)

Endoscopy

The use of gastrointestinal endoscopy has flourished because of its proven therapeutic benefits. The Digestive Disease Center operates a very active, state-of-the-art endoscopic procedure unit. This unit offers a full array of diagnostic tests to detect digestive and liver problems and has one of the lowest complication rates in the region.

These tests include: colonoscopy, ERCP, flexible sigmoidoscopy, interventional endoscopy, enteroscopy, esophageal, rectal and biliary manometry, endoscopic ultrasound, biliary endoscopy, liver biopsy, and upper endoscopy.

Hepatology

The Digestive Disease Center offers comprehensive hepatology services, including diagnosis and management of viral, autoimmune and metabolic liver diseases, and access to liver transplantation. Temple physicians have extensive experience in the management of complex patients with viral hepatitis, including co-infection with HIV, portal hypertension, drug-induced liver injury, end-stage liver disease and status post liver transplantation.

Special multidisciplinary programs exist for the treatment of hepatocellular carcinoma, utilizing top-class pathology interpretation, interventional radiology, surgery and oncology, and portal hypertension with sophisticated endoscopic approaches.



Dr. John Migaly

Gastrointestinal Surgery

Temple University Hospital's GI surgical team is an integral part of the Digestive Disease Center, providing surgical treatments for diseases of the esophagus, stomach, small intestine, colon, gall bladder, pancreas and liver.

Temple's surgeons work hand-in-hand with gastroenterologists, often meeting with patients together to go over their condition or upcoming surgery.

The GI surgical team specializes in using minimally invasive laparoscopic techniques whenever possible. This offers patients a quicker recovery time, shorter hospital stays and a reduced risk of complications.

Bariatric Surgery

Temple University Health System's Bariatric Surgery Program is one of the busiest in the region and boasts some of the most experienced surgeons in the Delaware Valley. The program offers open and laparoscopic gastric bypass, laparoscopic adjustable stomach banding (LapBand®) and vertical banded gastroplasty.

The bariatric team consists of surgeons, nurse practitioners, surgical assistants, registered dietitians, psychiatrists, nurses, case managers, home caregivers and exercise physiologists/certified personal trainers. All of the team's bariatric surgeons are board certified and are members of the American Society for Bariatric Surgery (ASBS).

For patient convenience, weight-loss surgery is offered at two locations, both with complete surgical teams — Temple University Hospital and Jeanes Hospital.

Colorectal Surgery

Temple University Hospital's colorectal surgeons offer the full spectrum of medical and surgical treatment for colorectal and small intestinal disorders, including rectal prolapse, fecal incontinence and anal, perianal and colorectal cancers. Colorectal surgery at Temple is routinely performed laparoscopically.

DIGESTIVE DISEASE CENTER PHYSICIANS

Gastroenterology and Liver Disease

Paul J. Bandini, M.D.

Robert S. Fisher, M.D.

Chief, Section of Gastroenterology

Martin Black, M.D.

Director, Liver Unit;

Medical Director, Liver Transplantation Program

Frank K. Friedenberg, M.D.

Brenda J. Horwitz, M.D.

Director, Gastroenterology Fellowship Program

Vikas Khurana, M.D.

Benjamin Krevsky, M.D.

Associate Chief, Section of Gastroenterology;

Director, Gastrointestinal Endoscopy

Harvey M. Licht, M.D.

Xiaoli Ma, M.D.

Larry Miller, M.D.

Director, Endoscopic Research

Henry P. Parkman, M.D.

Director, GI Motility Laboratory;

Director, Clinical Research Unit

Joel E. Richter, M.D.

Chair, Department of Medicine

Marianne Ritchie, M.D.

Dr. Henry Parkman; Dr. Brenda J. Horwitz; Dr. Vikas Khurana



Gastrointestinal and Bariatric Surgery

Daniel Dempsey, M.D.

Chair, Department of Surgery

Sean Harbison, M.D.

Vice Chairman for Surgical Education

Christopher Kowalski, M.D.

Director, Bariatric Surgery, Jeanes Hospital

John Meilahn, M.D.

Director, Bariatric Surgery, Temple University Hospital

John Migaly, M.D.

John Rombeau, M.D.

**To schedule a patient appointment with
a physician from the Digestive Disease Center,
call 215-707-5555.**

Why choose the Temple Digestive Disease Center?

- Consider:**
- Temple University Hospital's innovations with ultra-high frequency endosonography can vastly improve evaluation of vascular and neoplastic lesions.
 - Our expertise with "push" and capsule enteroscopy has made us one of only a few centers able to routinely use these techniques.
 - Our specialists are experienced and published in the fields of gastroesophageal reflux disease, motility, endoscopy, endosonography, laser cancer therapy, sphincter motility with behavior modification, acid/peptic disorders, hepatology and the role of scintigraphy in gastroenterology.
 - The close relationship with the hospital's Departments of Radiology, Pathology and Surgery enables us to use specialized techniques for diagnosing and treating even the most complex disorders — all in one convenient location.

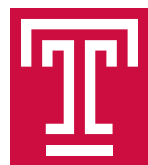
Dr. Robert Fisher; Dee Makarewicz, RN, Nurse Manager, Endoscopy Unit



- In the last decade, our physicians have played a vital part in measuring gastrointestinal myoelectric and contractile activity, as well as transit.
- We're one of the few centers offering antroduodenal motility, impedance tomography, and electrogastronomy.
- We offer routine tests, such as esophageal manometry with provocative testing and anal manometry with biofeedback, as well as high resolution esophageal and anal sphincter motility and sphincter of Oddi manometry.
- Electrogastronomy, antroduodenal motility, and scintigraphic techniques can be performed simultaneously to evaluate esophageal transit, gastroesophageal reflux, gastric emptying, small intestinal transit and colonic transit in complex patients.
- We offer colonic transit testing for patients with chronic constipation and irritable bowel syndrome.

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All health care is provided by TUHS member organizations or independent health care providers affiliated with TUHS. Each TUHS member organization is owned and operated pursuant to its governing documents.

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