



Advanced Endoscopy Center

The Advanced Endoscopy Center was established to evaluate, diagnose and treat complex diseases and cancers of the gastrointestinal (GI) tract, which require specialized medical expertise and technically advanced tools previously unavailable locally.

HOW TO CONTACT THE ADVANCED ENDOSCOPY CENTER TEAM

We welcome calls from our colleagues, and respond to inquiries quickly and efficiently.

APPOINTMENTS: (631) 444-5227 **FAX:** (631) 444-5225

StonyBrookMedicalCenter.org



**U.S. News & World Report's
"2010-11 Best Hospitals"
issue ranks Stony Brook
Gastroenterology among the
Top 50 in America.**



THE ACADEMIC MEDICAL CENTER DIFFERENCE

With surgery becoming more and more minimally invasive and endoscopy playing a larger role in the therapeutic treatment of patients beyond its traditional role as a diagnostic tool, there has been a growing demand on Long Island for expertise in all facets of advanced endoscopy. As the premier academic medical center on Long Island, Stony Brook University Medical Center is uniquely qualified to meet this need. Referring physicians and their patients have access to the Advanced Endoscopy Center's team of four highly trained advanced endoscopists, as well as other key specialists such as advanced biliary and pancreatic surgeons and interventional radiologists. This multidisciplinary team works together closely and meets frequently to discuss in depth the needs of each patient to ensure the best care and treatment.

Each patient referred to our Advanced Endoscopy Center is treated with compassion. As integral members of the health-care team, both the referring physician and the patient can be assured of timely communication every step of the way. Equally important, the Center assures continued care and post-procedural follow-up back to the referring physician.

Led by Basil Rigas, MD, DSc, Professor and Chief, Division of Gastroenterology and Hepatology, our highly specialized physicians provide expert care in all aspects of gastroenterology, including cancer screening, motility, women's gastrointestinal health, inflammatory bowel diseases (IBD), advanced endoscopic interventions, nutrition and weight loss, and liver, pancreatic and biliary diseases. The Division earned the prestigious distinction of being ranked among the Top 50 in *U.S. News & World Report's* "2010-11 Best Hospitals" issue. It also has been designated a "Recognized Endoscopy Unit" by the American Society for Gastrointestinal Endoscopy (ASGE) in recognition of excellence in quality and patient safety.

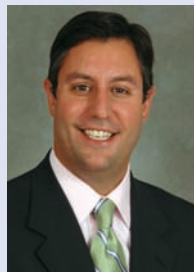
UNIQUE TO SUFFOLK COUNTY AND BEYOND

The Advanced Endoscopy Center at Stony Brook is one of the few centers in the region equipped with the expertise and technology to offer patients leading-edge and comprehensive care, including:

- **Three expert endosonographers** who perform high-volume, safe and effective endoscopic ultrasound (EUS) procedures on a same-day or next-day basis
- **The SpyGlass™ cholangiopancreatography system** for endoscopic retrograde cholangiopancreatography (ERCP), used to definitively diagnose a malignant stricture of the bile or pancreatic ducts, or to destroy a difficult-to-remove biliary stone in conjunction with electrohydraulic lithotripsy
- **Pancreatic endotherapy**, used for pancreatic duct stricture management and EUS-guided celiac neurolysis for chronic pancreatitis and pancreatic cancer pain
- **Sphincter of Oddi manometry**, which measures and evaluates pressure in the bile or pancreatic ducts and is used to definitively diagnose abnormal liver tests, unexplained pancreatitis, upper abdominal pain, or complex biliary and pancreatic disorders
- **Radiofrequency ablation (RFA) and endoscopic mucosal resection (EMR)**, used for the treatment of Barrett's esophagus
- **Spiral enteroscopy and balloon-assisted enteroscopy**, used for the diagnosis and management of obscure GI bleeding and other small bowel disorders
- **A government-sponsored research study** on pancreatic cysts and the use of nanotechnology in the detection of intracystic cancer biomarkers led by Stony Brook

ABOUT THE ADVANCED ENDOSCOPY TEAM

THE ADVANCED ENDOSCOPY TEAM AT STONY BROOK'S LEADING-EDGE ADVANCED ENDOSCOPY CENTER is composed of four highly skilled, advanced endoscopists who are all board-certified internists and gastroenterologists. They are also scientists and educators, and regularly conduct research and contribute to peer-reviewed journals. The extended multidisciplinary team includes expert surgeons, interventional radiologists, oncologists, radiologists, pathologists and radiation oncologists. The team is committed to delivering the latest advances in endoscopic care with effectiveness, compassion, safety and timely communication with referring physicians.



JONATHAN BUSCAGLIA, MD, Director of the Advanced Endoscopy Center and an Assistant Professor of Medicine, Division of Gastroenterology and Hepatology, is an expert in advanced endoscopy. He has performed pioneering research in natural orifice transluminal endoscopic surgery (NOTES) and has authored more than 50 peer-reviewed journal articles on advanced endoscopy-related diseases and techniques. Dr. Buscaglia joined Stony Brook in 2008. He specializes in endoscopic retrograde cholangiopancreatography, diagnostic and interventional endoscopic ultrasound, endoscopic mucosal resection, endoluminal stent placement and deep small bowel enteroscopy. Dr. Buscaglia completed his gastroenterology fellowship and training in advanced endoscopy at Johns Hopkins Hospital, where he served as Chief Fellow.



JUAN CARLOS BUCOBO, MD, an advanced endoscopist specializing in interventional endoscopy, joined Stony Brook in 2010 as an Assistant Professor of Medicine, Division of Gastroenterology and Hepatology. He received his medical degree from the Sackler School of Medicine in Tel Aviv, Israel, and completed his preliminary residency in internal medicine at Albert Einstein College of Medicine and Montefiore Medical Center. He completed his category residency in internal medicine and his fellowship in gastroenterology at Stony Brook. He also completed an advanced fellowship in interventional endoscopy at Cedars-Sinai Medical Center in Los Angeles. In 2009, Dr. Bucobo was named Fellow of the Year by the Division of Gastroenterology and Hepatology at Stony Brook.



SATISH NAGULA, MD, is an advanced endoscopy expert specializing in endoscopic ultrasound, endoscopic mucosal resection, endoscopic retrograde cholangiopancreatography and endoluminal stent placement. He has expertise in gastroesophageal reflux and Barrett's esophagus. Dr. Nagula joined Stony Brook in 2009 as an Assistant Professor of Medicine, Division of Gastroenterology and Hepatology. A summa cum laude graduate of both the University of Virginia and Yale University School of Medicine, Dr. Nagula completed his residency in internal medicine at University of Pennsylvania, and his fellowship in gastroenterology at Memorial Sloan-Kettering Cancer Center, specializing in endoscopic management of oncologic diseases.



ISABELLE VON ALTHEN, MD, Director of the Gastrointestinal Women's Center, is an advanced endoscopist specializing in women's gastrointestinal health and also has expertise in endoscopic retrograde cholangiopancreatography. Named to the *Cambridge Who's Who* in 2009, she has been affiliated with Stony Brook since 2001, when she joined as an Assistant Professor of Medicine, Division of Gastroenterology and Hepatology. After a brief absence, Dr. von Althen returned to Stony Brook in 2008, adding the role of Director of the Gastroenterology Fellowship Program. She received her medical degree from the University of Ottawa in Canada and completed her gastroenterology residency and fellowship programs at Toronto General Hospital, St. Michael's Hospital and Mt. Sinai Hospital in Toronto, Canada.

SPECIALTIES

We provide advanced evaluations, diagnoses and treatment of the following advanced endoscopy-related diseases and disorders:

- Complex biliary diseases
- Pancreatic cystic neoplasms
- Chronic pancreatitis
- Sphincter of Oddi dysfunction
- Barrett's esophagus
- Endoscopic oncology
- Esophageal cancer
- Gastric cancer
- Pancreatic cancer
- Cholangiocarcinoma
- Rectal cancer
- Small bowel disorders
- Recurrent GI bleeding
- Surgically altered GI tract anatomy

PROCEDURES AND TREATMENTS

We determine and provide the most effective course of treatment to reach the best possible outcome by using state-of-the-art and gold-standard advanced endoscopy techniques and therapies:

- Endoscopic ultrasound (EUS)
- EUS-guided fine needle aspiration (EUS-FNA)
- Pancreatic pseudocyst drainage
- Celiac nerve block
- Drainage of abscesses
- Sphincter of Oddi manometry
- Placement of fiducial markers for radiation therapy
- Evaluation of subepithelial lesions
- Staging of GI and lung malignancies
- Evaluation of pancreatic cysts
- Radiofrequency ablation of Barrett's esophagus
- Endoscopic mucosal resection
- Endoluminal stent placement
- ERCP with SpyGlass™ cholangioscopy and pancreatoscopy
- Electrohydraulic lithotripsy (EHL)
- Mechanical lithotripsy
- Pancreatic endotherapy
- Deep small bowel enteroscopy
- ERCP in the surgically altered GI tract

ONGOING RESEARCH

"Novel Sensor for Real-Time Detection of Cancer Biomarkers in Human Pancreatic Cyst Fluid"

Jonathan Buscaglia, MD, and Basil Rigas, MD, DSc
New York State grant-funded translational research study of pancreatic cancer risk factors with cystic lesions of the pancreas

"Natural Orifice Transluminal Endoscopic Surgery (NOTES) Approach for Sigmoid Resection: Development and Validation of Simulator Training Model"

Jonathan Buscaglia, MD; Roberto Bergamaschi, MD, PhD; Satish Nagula, MD; Juan Carlos Bucobo, MD; and Paula Denoya, MD

Mannequin and animal model testing stage of a simulated study of incisionless surgical removal of the sigmoid colon

"Prospective Study on the Diversity of EUS Training Techniques"

Jonathan Buscaglia, MD; Satish Nagula, MD; and Juan Carlos Bucobo, MD

Analysis of a variety of EUS training methods to establish best practices for this fast-growing specialty

"Comparison of Fine Needle Aspiration (FNA) and Large Capacity Biopsy Forceps for the Diagnosis of Subepithelial Lesions in the GI Tract"

Jonathan Buscaglia, MD, and Satish Nagula, MD

Comparing the diagnostic yield of two forms of EUS-guided tissue acquisition

"Randomized Controlled Trial Laparoscopic-Assisted Colonoscopic Polypectomy (LACP)"

Jonathan Buscaglia, MD; Roberto Bergamaschi, MD, PhD; Satish Nagula, MD; and Chris Lascarides, MD

Comparing hospital length of stay and clinical outcomes between standard surgical resection versus LACP for large colonic polyps unable to be removed by standard endoscopic means

"Reactions to Contrast Media (CM) Administered at the Time of Endoscopic Retrograde Cholangiopancreatography (ERCP)"

Jonathan Buscaglia, MD; Satish Nagula, MD; and Juan Carlos Bucobo, MD

Studying reactions to contrast media in patients with iodine or shellfish allergy undergoing ERCP using standard contrast agents

Stony Brook University Medical Center improves the lives of our patients, families and communities, educates skilled healthcare professionals, and conducts research that expands clinical knowledge. With a team of exceptional healthcare professionals and advanced technology, Stony Brook is Long Island's premier academic medical center. It serves as the region's only tertiary care center and Level 1 Trauma Center, and is home to the Stony Brook University Cancer Center, Stony Brook Long Island Children's Hospital, the Heart Center, the Institute for Advanced Neurosciences and the Gastroenterology Program. Stony Brook University Medical Center fully embraces patient and family centered care, and considers our patients to be integral members of the healthcare team. To learn more about the many services offered at Stony Brook, call (631) 444-4000, or visit StonyBrookMedicalCenter.org.