

2024

REPORT CARD

CENTER FOR INTERVENTIONAL ENDOSCOPY

Orlando | Celebration



Advent Health



Quality Care

Fostering quality care and patient wholeness at AdventHealth Center for Interventional Endoscopy reflects a deep commitment to treating the whole person - body, mind, and spirit. This approach ensures that every patient receives not just expert clinical care but also compassionate support tailored to their individual needs.



Excellence in Clinical Care

At AdventHealth Center for Interventional Endoscopy, excellence in clinical care is achieved through innovative techniques, continuous education, and a patient-centered approach. The focus on advanced procedures, multidisciplinary collaboration, and evidence-based practices ensures the highest standards in treatment and outcomes.



Patient and Referring Physician Satisfaction

At AdventHealth Center for Interventional Endoscopy, we are dedicated to delivering exceptional, world-class care to our patients and ensuring that referring physicians feel confident that their patients are in expert hands. By continuously advancing our techniques and integrating the latest innovations in endoscopy, we aim to set a new standard in patient outcomes and satisfaction.



Train the Next Generation of Therapeutic Endoscopists

At AdventHealth Center for Interventional Endoscopy, training the next generation of therapeutic endoscopists can be a transformative experience that leverages the expertise, technology, and collaborative environment from our CIE Faculty. Future therapeutic endoscopists are not only equipped with exceptional technical skills but also an empathetic approach to care, developing them into leaders in both the field and patient care.



Cutting-Edge Research and Innovation

At AdventHealth Center for Interventional Endoscopy, research and innovation are at the forefront of our mission. Our team is dedicated to advancing the field of interventional endoscopy through clinical studies, new techniques, and novel technologies to improve patient outcomes. By actively engaging in clinical trials and research initiatives, we bring the latest evidence-based practices to the bedside.

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MESSAGE FROM THE DIRECTOR

Dear Colleagues,

It's an honor to reflect on the remarkable progress CIE has made throughout 2024. Our team has continuously pushed the boundaries of interventional endoscopy, staying true to our mission: enhancing patient health and well-being, spearheading cutting-edge clinical research, and training the next generation of endoscopists through our comprehensive fellowship program and professional education initiatives.

Our team includes seven highly skilled advanced endoscopists: Drs. Muhammad K. Hasan, Kambiz Kadkhodayan, Mustafa Arain, Dennis Yang, Natalie Cosgrove, Deepanshu Jain and our newest member, Dr. Maham Hayat. They are supported by a talented group of APPs, fellows, endoscopy technicians, nursing staff, and office personnel.

In May 2023, we successfully launched our second CIE unit at AdventHealth Celebration, extending our reach to Southwest Orlando and Central Florida. We're now excited to announce the expansion of CIE expertise to the Tampa Bay area. Led by Dr. Hafiz Muzaffar Akbar Khan and Dr. Michael Harris, CIE Tampa will uphold the same commitment to excellence as our Orlando campus, becoming a hub for innovation, education, and research, as well as a destination center for interventional GI care in West Florida.

Our clinical programs, including Endobariatrics, Third Space Endoscopy, and the Pancreas Center, have seen significant growth, with an increasing number of patients seeking specialized care. In October 2024, we welcomed Dr. John George to the Pancreas Center, and we are excited to announce the addition of Dr. Ashok Saluja, a world-renowned expert in pancreatic research, as Director of Pancreatic Research. With over 40 years of experience, Dr. Saluja is internationally recognized for his groundbreaking work

on pancreatitis and pancreatic cancer. We look forward to his leadership in advancing pancreatic research at CIE and across AdventHealth.

As one of the busiest interventional endoscopy units in the country, throughout the year, we have delivered endoscopic care to a record number of patients totaling 9,895 procedures. Among these, our expertise encompassed 2,618 ERCPs, with 1,553 native papilla cases, 3,479 EUS procedures, and a variety of other advanced endoscopic interventions. In tandem with our clinical accomplishments, our educational initiatives have thrived. We hosted several significant conferences, including Orlando Live Endoscopy, Pancreas Updates, the second Endobariatrics Masterclass, and our highly sought-after Florida 3rd Space Endoscopy course. Moreover, our Advanced Endoscopy Fellowship Program has continued its success, welcoming three new advanced fellows this year, just as we did last year.

The CIE team is dedicated to serving our community and beyond, providing exceptional clinical care, advancing education, driving innovative research, and expanding our programs. We continue to strive to maintain ourselves as a premier national destination for complex endoscopy expertise.

Sincerely,



Muhammad K. Hasan, MD
Medical Director
Center for Interventional Endoscopy

Muhammad K. Hasan, MD
Medical Director

Maham Hayat, MD
Interventional Endoscopist

Mustafa Arain, MD
Director, Pancreas Center

Dennis Yang, MD
Director, Third Space Endoscopy

Natalie Cosgrove, MD
Director, Safety and Quality in Endoscopy

Kambiz Kadkhodayan, MD
Director, Advanced Endoscopy Fellowship

Deepanshu Jain, MD
Interventional Endoscopist



Advanced Practice Providers

Prabha Thomas, APRN | Nancy Melo, PA-C | Smitha Joseph, APRN | Britney Thorney, PA-C



Leadership

Julie Hartung
Practice Administrator, CIE Orlando & Celebration

Nicholas Merrett, RN
Assistant Nurse Manger, CIE Orlando

Holly Piper, RN
Nurse Manger, CIE Celebration

Mariel Madrideo, RN
Nurse Manger, CIE Orlando

Heather Yount, RN
Assistant Nurse Manger, CIE Orlando

James Debow III
Director of Surgery, CIE Celebration

Elena Campbell, RN
Director CV OR and CIE Orlando

Mykah Uri, RN
Assistant Nurse Manger, CIE Celebration



MEET THE **CIE TEAM**

CIE Orlando Team



Clinic Team

- Pancreas Center
- Endoscopic Weight Loss
- Third Space Endoscopy

CIE Celebration Team



Research Team



The Team at Center for Interventional Endoscopy (CIE) is a highly skilled group of specialists dedicated to advancing the field of endoscopy and providing exceptional care. Comprised of physicians, nurses, technicians, surgery schedulers, research, and support staff, the team works collaboratively to deliver innovative treatment options and high-quality patient care.

With a focus on cutting-edge procedures like advanced therapeutic endoscopy, the CIE team is also committed to education, training, and research. They work closely with fellows and trainees, emphasizing mentorship and hands-on learning. Team members are united by a shared mission to improve patient outcomes, ensuring each individual receives comprehensive and compassionate care.

2024 FACTS AND FIGURES

9,895

TOTAL ADVANCED PROCEDURES

3479 EUS

2,618 ERCP

3798 OTHER

RFA, EMR, ESD, 3rd SPACE, DBE
ENDOBARIATRICS, ANTI-REFLUX

26

PUBLICATIONS



8,522

Total Patients



30

States

199

Non-Florida US Patients



8,300

Florida Patients

Florida Tri County
5,448

Florida Non-Tri County
2,852

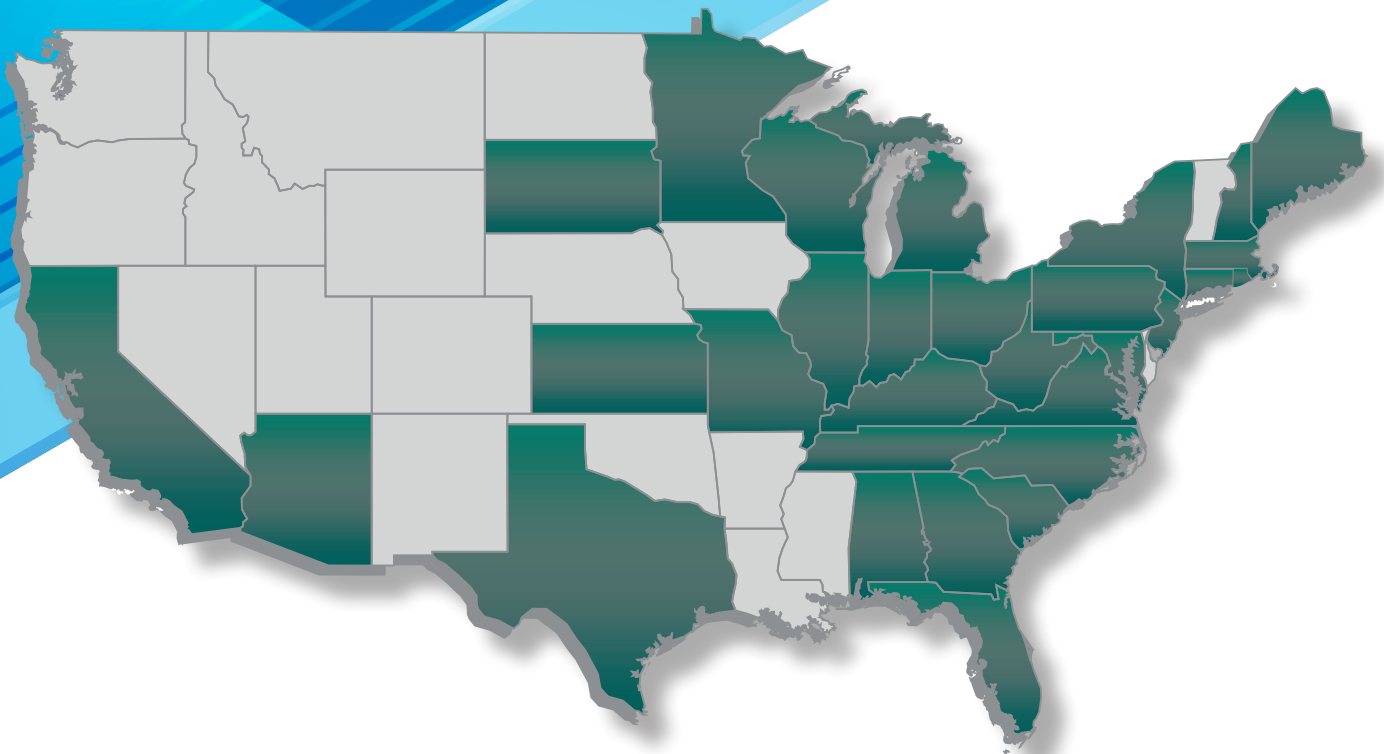
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Countries

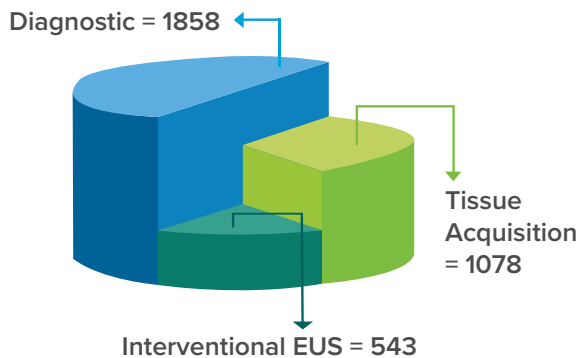
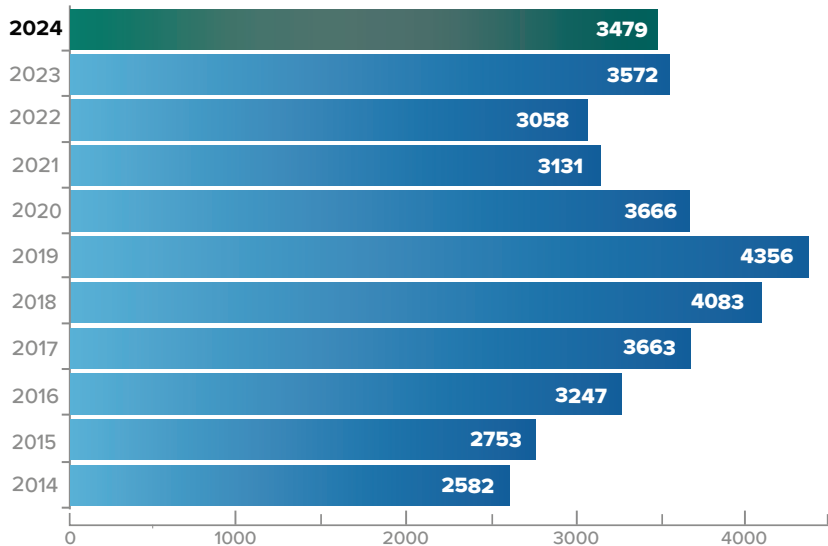
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International Patients

Patients are referred to CIE for tertiary-level endoscopic care from across the United States as well as Internationally. In 2024, patients were referred from 5 countries and nationally from 30 states. More than 36% of treated patients originated from outside the Tri-County area.

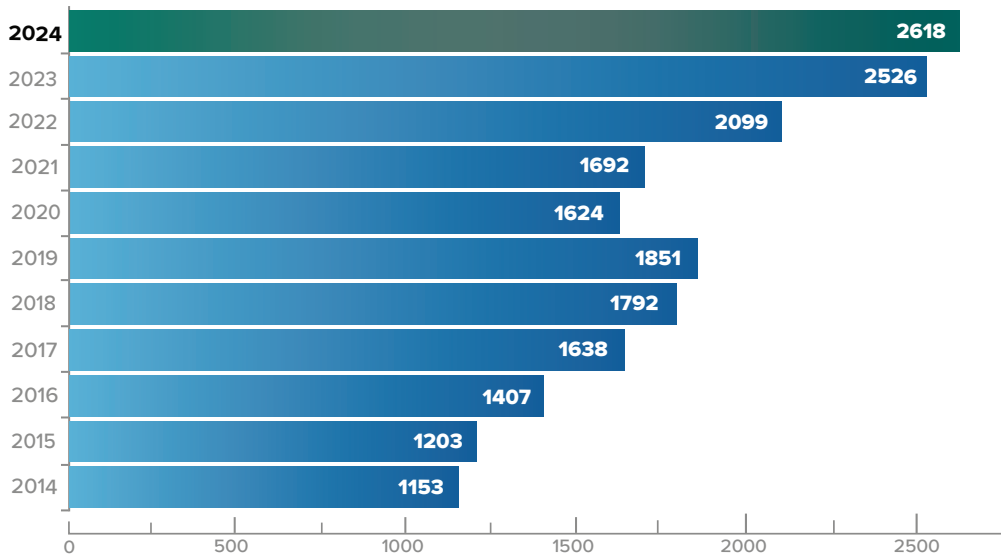


EUS PROCEDURE VOLUME

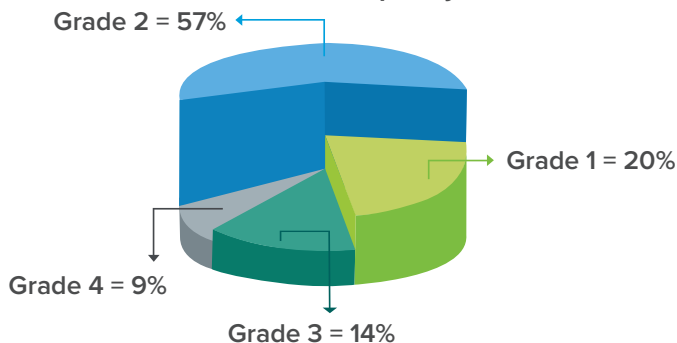


- ▶ EUS Gastrojejunostomy = 67
- ▶ EUS guided coiling/vascular interventions = 31
- ▶ EUS ablations = 8
- ▶ EUS Bile Duct/Gallbladder/
Pancreatic Duct Drainages = 56
- ▶ EUS-EDGE = 50
- ▶ EUS CPN/CPB = 102

ERCP PROCEDURE VOLUME



Procedures by ASGE Complexity Level

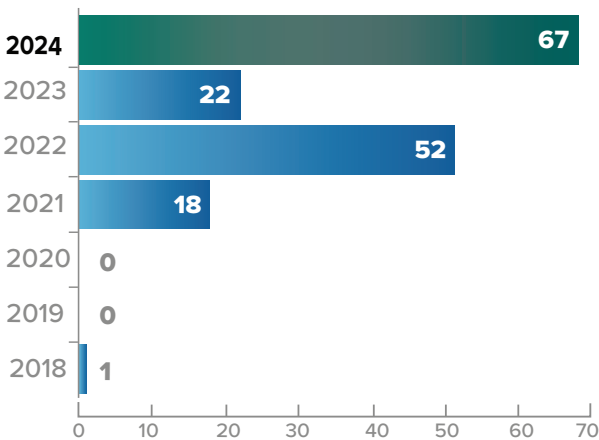


- ▶ Native Papilla ERCPs = 1553
- ▶ Native Papilla Cannulation Success Rate = 98.58%
- ▶ Post ERCP Pancreatitis = 1.59%
- ▶ Post Sphincterotomy Bleeding = 1.52%

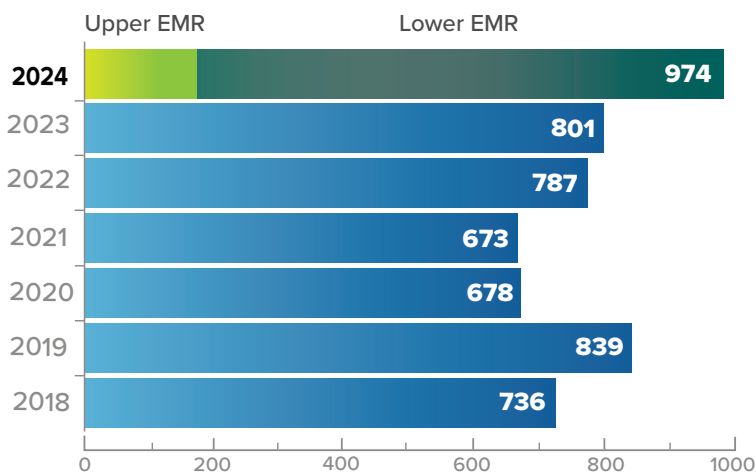
CIE is home to one of the premier EUS (endoscopic ultrasound) and ERCP (endoscopic retrograde cholangiopancreatography) programs in the country, recognized for its excellence in both diagnostic and therapeutic endoscopy. Our EUS program offers state-of-the-art imaging and minimally invasive techniques that enable precise visualization of the pancreas, liver, and other structures, supporting advanced diagnostic capabilities and interventional procedures. This level of precision allows us to diagnose complex gastrointestinal and pancreatic disease early and accurately, improving treatment outcomes and patient quality of life.

In our ERCP program, we specialize in managing pancreaticobiliary disorders with expertise that ranks CIE as one of the leading ERCP centers in United States. With a post-COVID increase in ERCP volume reaching 2618 procedures, CIE’s ERCP program is equipped to handle a wide array of cases, from routine to highly complex, with a commitment to excellence and patient-centered care. The program’s high case volume and complexity make it a valuable training ground for fellows and a resource for referring physicians.

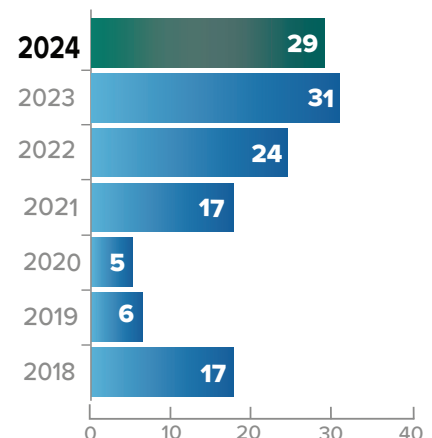
OTHER INTERVENTIONAL PROCEDURES



EUS Guided Gastrojejunostomy



Endoscopic Mucosal Resection (EMR)



Zenker’s Diverticulotomy

THIRD SPACE ENDOSCOPY PROGRAM

The Third Space Endoscopy program at CIE has grown significantly over the past few years, making it one of the highest-volume centers in the nation. As such, we continue to lead the way in research in this field, contributing to over 25 peer-reviewed publications in the past year and spearheading important multi-site collaborative studies. In this past year, we have led several “first” studies in innovative endoscopic submucosal dissection (ESD) techniques as well as in the evaluation of novel agents and devices for the prevention of adverse events in third space endoscopy.

Under the leadership of Dr. Dennis Yang, Director of the Third Space Endoscopy Program at CIE, these efforts have brought national recognition. Dr. Yang has represented CIE at major conferences such as DDW, ASGE, and ACG, and his outstanding contributions to research earned him the AdventHealth Top Publishing Investigator Award for 2024, along with recognition for publishing in top impact factor journals.

In addition to patient care and research, we remain committed to the education of the new generation of endoscopists in this field. Our expertise in the field is internationally recognized, with significant contributions to developing societal guidelines and best practices for peroral endoscopic myotomy (POEM). As a part of our dedication to teaching, we successfully hosted the 3rd Florida Third Space Endoscopy Workshop in November 2024. This immersive, hands-on course, featuring 30 world-class international faculty across 37 training stations, has become the nation’s premier standard for training. Demand for the workshop remains high, with full registration completed more than four months in advance and an ongoing waiting list.

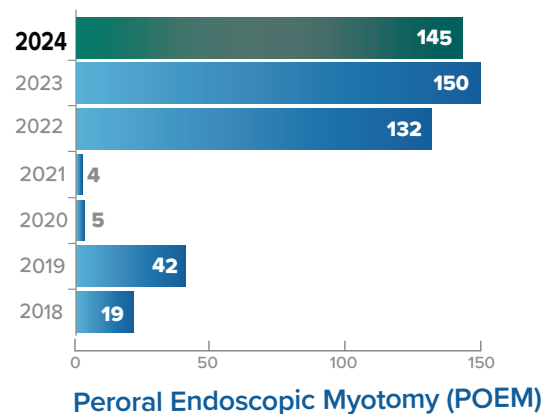
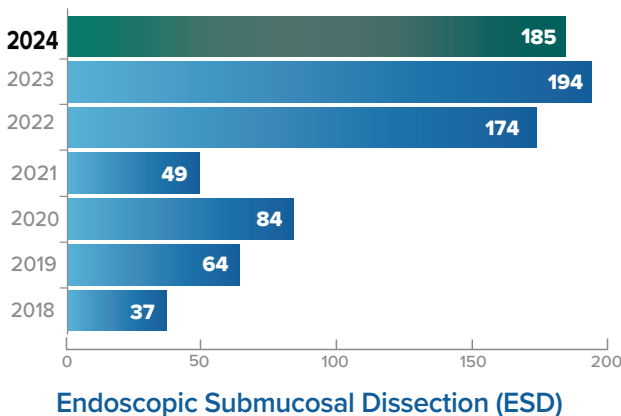
Our program remains focused on improving minimally invasive approaches for patients with complex diseases, including foregut dysmotility and the resection of large polyps and early cancers throughout the gastrointestinal tract.

To meet the growing needs of our expanding patient population in this field, we welcomed Dr. Maham Hayat to CIE in July 2024. Dr. Hayat earned her medical degree from Allama Iqbal Medical College in Lahore, Pakistan, and completed her Internal Medicine Residency at the University of Oklahoma, where she was recognized as “Best Resident Researcher.” She then completed her Gastroenterology Fellowship at the University of Oklahoma and her Advanced Endoscopy Fellowship here at CIE. We are thrilled that Dr. Hayat has chosen to stay on as part of our team.

At CIE, we remain dedicated to offering the best care for our patients while continuing to push the boundaries of innovation, research, and education in third space endoscopy.



Florida Third Space Endoscopy Workshop 2024 - Faculty and Attendees.



PANCREAS CENTER PROGRAM



The Pancreas Center at CIE, led by Dr. Mustafa A. Arain, was established three years ago to meet the unmet needs of patients with pancreatic diseases in Central Florida. It has since grown into a leading center, providing comprehensive multidisciplinary care and attracting referrals from across the region and beyond.

Our scope of care encompasses a wide spectrum of pancreatic diseases, including recurrent acute pancreatitis, chronic pancreatitis, exocrine pancreatic insufficiency (EPI), hereditary pancreatitis, pancreatic cysts, individuals at high risk for pancreatic cancer, and complex diseases of the biliary system. The collaborative team at CIE and AdventHealth comprises gastroenterologists, surgeons, endocrinologists, nutritionists, health psychologists, genetic counselors, and pain management physicians. This comprehensive team approach ensures that patients receive holistic care, addressing all aspects of care including physical health as well as emotional and psychological well-being.

The CIE team provides comprehensive endoscopic therapies for benign and malignant pancreatic diseases. The management of chronic pancreatitis and pancreatic duct stones could be challenging. In addition to endoscopic and surgical therapies we collaborate with our urology colleague Dr. Justin Emtage to offer extracorporeal shockwave lithotripsy (ESWL)—a non-invasive option that minimizes repeat endoscopic procedures and major surgery. EUS-guided therapies, including radiofrequency ablation (RFA) and chemoablation, have emerged as effective treatments for pancreatic neuroendocrine tumors (PNETs) and pancreatic cysts. In partnership with our multidisciplinary pancreatic oncology team, we routinely perform EUS-RFA and chemoablation as alternatives to invasive surgery.

In October 2024, we welcomed Dr. John George to the Pancreas Center at CIE to meet the needs of our growing patient population. Dr. George earned his medical degree from the All-India Institute of Medical Sciences, New Delhi, and conducted basic and translational science research in pancreatic diseases at the University of Minnesota and University of Miami. He completed his Internal Medicine residency at Yale University and a gastroenterology fellowship at the University of Florida. We are excited to have Dr. George bring his clinical and research expertise to our team.

We are excited to announce Dr. Ashok Saluja, a leading figure in pancreatic research, has joined CIE as Director of Pancreatic Research. With over 40 years in the field, Dr. Saluja is internationally renowned for his work on pancreatitis and the role of Heat Shock Protein 70 in pancreatic cancer, demonstrating its inhibition leads to tumor cell death in vitro and in mouse models.

Dr. Saluja has authored over 200 peer-reviewed publications, held editorial roles in scientific journals, and served as past president of both the American Pancreatic Association (APA) and International Association of Pancreatology. He currently serves as Secretary-Treasurer of the APA. His numerous honors include the George Palade Award, Lifetime Achievement Award (APA), National Medal (Australia), Ismar Boas Medal (Germany), and Scientist of the Year (University of Miami).

We look forward to Dr. Saluja's leadership in advancing pancreatic research at CIE and across AdventHealth.



Dr. John George
Gastroenterologist
AdventHealth Orlando



Dr. Ashok Saluja
Director of Research
Center for Interventional Endoscopy

ENDOBIARIATRIC PROGRAM

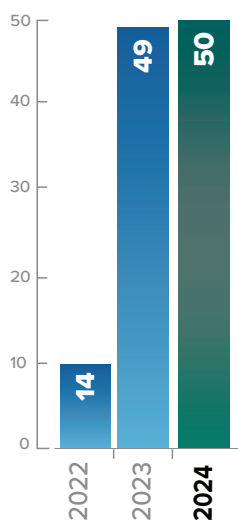


In recent years, endobariatrics has emerged as a transformative, incisionless, and minimally invasive approach to treating obesity, bridging the gap between diet-exercise-pharmacotherapy and traditional surgery. These endoscopic procedures offer an attractive alternative for the 98% of eligible patients who prefer to avoid surgery due to the fear of undergoing an operation.

In 2022, under the leadership of Dr. Kambiz S. Kadkhodayan, CIE launched its Endobariatrics Program to provide advanced, outpatient weight-loss solutions. The program offers a comprehensive suite of procedures, including Endoscopic Sleeve Gastroplasty (ESG), Endoscopic Balloon Therapy (EBT), Transoral Outlet Reduction (TORe), Sleeve-in-Sleeve (SIS), and duodenal therapies aimed at both weight loss and diabetes management. CIE's Endoscopic Weight Loss Clinic delivers thorough, patient-centered care with a strong emphasis on sustainable outcomes. Patients undergo meticulous pre-procedure evaluation and optimization, followed by a full year of post-procedure follow-up, ensuring continuous support. The clinic integrates ongoing lifestyle coaching to help patients adopt healthier habits and maintain long-term success.

Research and education are central to the program's mission. CIE actively contributes to obesity registries, publishes peer-reviewed studies, and hosts the annual Endoscopic Suturing Masterclass, which advances knowledge and skill development in the field.

The program's multidisciplinary approach, in collaboration with bariatric surgeons, allows for personalized treatment plans tailored to each patient's needs. With a focus on cutting-edge technology, innovation, and exceptional care, CIE's Endobariatrics Program has established itself as a leader in the management of obesity and metabolic disease, delivering effective, minimally invasive solutions that transform lives.

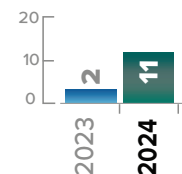


Endobariatric Procedures

ANTI-REFLUX PROGRAM

Obesity and acid reflux disease are often closely linked, and effectively managing one can significantly improve the other. In 2024, CIE's Endobariatrics Program expanded with the launch of its Anti-Reflux Program, offering patients safe, effective, and minimally invasive solutions for gastroesophageal reflux disease (GERD) without the need for surgery. The program features advanced procedures such as Transoral Incisionless Fundoplication (TIF) and Anti-Reflux Mucosectomy (ARMS), providing innovative treatment options tailored to patient needs. In select patients, Concomitant Transoral Incisionless Fundoplication (cTIF) may also be performed, combining the benefits of laparoscopic and endoscopic reflux therapy into one minimally invasive procedure.

Seamlessly integrated with the Foregut Surgery Program, this initiative ensures a multidisciplinary approach where patients benefit from the combined expertise of endoscopists and surgeons. Enrolled in the Endobariatric/Anti-Reflux Clinic, patients receive comprehensive, personalized care, including a full year of structured post-procedure follow-up. This continuity of care not only optimizes outcomes but also ensures patients feel supported every step of their treatment journey. With its focus on innovation, collaboration, and patient-centered care, CIE's Anti-Reflux Program sets a new standard in the treatment of GERD.



Transoral Incisionless Fundoplication (TIF)

QUALITY AND SAFETY IN GASTROENTEROLOGY AND ENDOSCOPY

CIE is committed to providing superior, consistent, and equitable care to our patients. While we already provide excellent and holistic patient care, we recognize that continuous quality improvement is necessary to meet and exceed our patients' evolving needs, and stay ahead of the curve. With our new colonoscopy and ERCP dashboards, we are able to measure procedure quality and patient outcomes in real time. This initiative is led by Dr. Natalie Cosgrove, the Director of Quality and Safety in Gastroenterology and Endoscopy at AdventHealth, in collaboration with Dr. Irteza Inayat. Dr. Cosgrove's multidisciplinary approach to quality includes working with physicians, endoscopy staff, schedulers, and leadership to help ensure consistent evidence-based quality patient care, superior patient access and education, and maximal patient comfort and safety. CIE is paving the way with setting new standards for patient outcome monitoring and endoscopy quality.



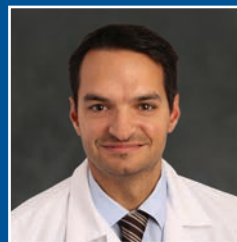
CIE is a
Recognized
Practice Within
**AdventHealth
Medical Group**
for
**Exceptional Patient
Experience**
2024



CIE TAMPA **EXPANSION**



Hafiz Muzaffar Akbar Khan, MD
Medical Director
AdventHealth Center for Interventional Endoscopy,
Tampa, FL



Michael D. Harris, MD
Advanced Endoscopist
AdventHealth Center for Interventional Endoscopy,
Tampa, FL

Since its inception in 2012, the Center for Interventional Endoscopy (CIE) has positively impacted the lives of countless patients in Florida and neighboring states. Now, CIE is expanding its expertise to Tampa, with strong support from the leadership of AdventHealth West Florida Division, who have invested significantly in launching this state-of-the-art facility to meet the growing demand for advanced gastrointestinal services in the Tampa Bay area.

Under the guidance of Dr. Hasan, and with Dr. Hafiz Muzaffar Akbar Khan at the helm, CIE Tampa will uphold the same commitment to excellence that has defined our flagship Orlando campus. The CIE Tampa center will offer cutting-edge therapeutic endoscopy and endoscopic surgery, providing life-changing interventions for patients with complex gastrointestinal conditions, while also supporting the growth of various surgical, medical, and radiology subspecialties within the West Florida division. A key component of this expansion will be the opening of a state-of-the-art advanced endoscopy clinic, providing comprehensive outpatient care for a wide range of complex GI conditions.

CIE Tampa is more than an endoscopy center; it will serve as a hub for innovation, education, and research. We are dedicated to achieving excellence in patient outcomes, fostering strong relationships with referring physicians, and driving innovative research to push the boundaries of endoscopic advancements.

As we expand our reach, CIE Tampa is poised to become a destination center for comprehensive GI care in West Florida and beyond. Patients and providers alike can rely on CIE's renowned expertise, advanced technology, and unwavering focus on excellence. This new facility represents our continued mission to redefine what is possible in endoscopic care, empowering the Tampa Bay community with access to the highest standard of medical innovation and compassionate treatment.

CIE PRESENCE AT **DDW 2024**

PODIUM **PRESENTATIONS**

The use of a self-assembling peptide gel to prevent esophageal stenosis development after endoscopic submucosal dissection: A US multicenter prospective study

State-of-the-art presentation: Mastering EUS biliary drainage in 2024

Close that polypectomy defect

Chromo-pancreoscopy for pre-operative evaluation of main duct intraductal pancreatic mucinous neoplasm: First-in-human case report

Double tunnel D-POEM technique: Finding your way to a difficult-to-locate lower esophageal sphincter in spastic achalasia and epiphrenic diverticulum

Hybrid versus conventional endoscopic submucosal dissection for lateral spreading colorectal lesions: A multi-center randomized controlled trial (short-ESD)

Stumbles during EUS-guided gallbladder drainage

Prospective analysis of endoscopic impedance planimetry pyloric measurements and its association with treatment outcomes in patients with gastroparesis undergoing gastric per-oral endoscopic myotomy (G-POEM)

POSTER PRESENTATIONS

Hispanic patients are at lower risk for post-pancreatitis diabetes mellitus: A retrospective cohort study

Endoscopic ultrasound-guided gastroenterostomy (EUS-GE) vs. surgical gastroenterostomy (SGJ) for the treatment of gastric outlet obstruction: A systematic review and meta-analysis of mid- to long-term outcomes

Off-label use of multitarget stool DNA in an outpatient internal medicine residents clinic: A pilot quality initiative

Predictors of 30-day readmission in necrotizing pancreatitis: A population-based study

Diagnostic value and cost of MRCP and EUS for the evaluation of choledocholithiasis: A retrospective cohort analysis

The use of a self-assembling peptide gel to prevent delayed bleeding after endoscopic submucosal dissection for rectal neoplasia: A U.S. multicenter experience

Z-POEM versus flexible endoscopic septotomy (FES) for treatment of Zenker's diverticulum: Does either make the cut? A systematic review and meta-analysis of outcomes "Poster of Distinction"

Real-world impact of GLP-1 receptor agonists on endoscopic patient outcomes in an ambulatory setting: A retrospective study at a large tertiary center

Reversible endoscopic gastroduodenal bypass: EUS-guided gastro-jejunostomy with pyloric exclusion for the treatment of persistent duodenal leaks after failed surgical repair. First-in-human experience

Intra-procedural real-time predictors of failure in patients with Roux-en-Y gastric bypass undergoing double-balloon assisted ERCP: Is there an optimal time to cross over to EUS-directed transgastric ERCP? A prospective single-center study

Endoscopic submucosal dissection of esophageal adenocarcinoma deemed pathologically curative results in few recurrences at long-term surveillance: Final analysis of a North American multicenter study

Setting minimum standards for training in colorectal endoscopic mucosal resection: Results from a large prospective multicenter study evaluating learning curves and competence among advanced endoscopy trainees

Endoscopic resection outcomes and predictors of failed en-bloc endoscopic mucosal resection of colorectal polyps < 20 mm among advanced endoscopy trainees during fellowship

Advanced endoscopy trainees' perceptions and current status of colorectal endoscopic mucosal resection training during advanced endoscopy fellowship

Learning curve for colorectal endoscopic submucosal dissection (ESD) among endoscopists without prior ESD experience: A systematic review and meta-analysis

Patterns of pancreatic enzyme replacement therapy in exocrine pancreatic insufficiency related to chronic pancreatitis in adults compared with older patients

Rectal indomethacin does not reduce the risk of post-ERCP pancreatitis in patients with existing biliary sphincterotomies

Fixation of proximal flange of lumen-apposing metal stent (LAMS) using X-Tack endoscopic helix tracking system in single-session EUS-directed transgastric ERCP (EDGE)

PUBLICATIONS IN 2024

Hybrid versus Conventional Colorectal Endoscopic Submucosal Dissection: A Multi-Center Randomized Controlled Trial (SHORT-ESD). *Am J Gastroenterol* 2024; online ahead of print.

EUS-guided Hepaticogastrostomy: practical tips and tricks. *VideoGIE*. 2024 Jun 6;9(9):417-424

AGA Clinical Practice Update on Advances in Per-Oral Endoscopic Myotomy (POEM) and Remaining Questions – What We Have Learned in the Past Decade: Expert Review. *Gastroenterology* 2024; 167: 1483-1490.

Novel Devices for Third Space Endoscopy Procedures. *Dig Endosc* 2024; 36: 521-532.

EUS-guided Vascular Interventions: Recent Advances. *A.J Clin Med*. 2024 Aug 16;13(16):4835

Gastric Per-Oral Endoscopic Myotomy (G-POEM) for the Management of Gastroparesis. *TIGE* 2024; 26: 46-55.

Safety, efficacy, and clinical utility of the 5.1-mm debridement catheter for treatment of wall-off pancreatic necrosis (with video). *Gastrointest Endosc*. 2024 Aug;100(2):240-246

Peroral Endoscopic Myotomy For Spastic Esophageal Dysmotility Among Opioid Users: Multicenter Propensity Score Match Study. *Gastrointest Endosc* 2024; 99: 924-930.

Fixation of Proximal Flange of Lumen Apposing Metal Stent Migration in Single-Session EUS-directed Transgastric ERCP: A Pilot Study. *Gastrointest Endosc* 2024; 100: 132-135.

The Use of A Self-Assembling Peptide Gel for Stricture Prevention in the Esophagus after Endoscopic Submucosal Dissection: A U.S. Multicenter Prospective Study. *Gastrointest Endosc* 2024; 100: 213-220.

Quantification of Pyloric Muscle Interstitial Cells of Cajal and Fibrosis During Gastric Peroral Endoscopic Myotomy And its Association with Clinical Outcomes. *Endosc Int Open* 2024; 12: E585-E592.

Real-World Impact of GLP-1 Receptor Agonists on endoscopic Patient Outcomes in an Ambulatory Setting: R Retrospective Study at a Large Tertiary Center. *J Clin Med.* 2024 Sep 12;13(18):5403

Patients Adherence to Surveillance Colonoscopy after Endoscopic Resection of Colorectal Polyps and Factors Associated with Loss to Follow-Up: A Large Community-Based Study. *Endosc Int Open* 2024; online ahead of print.

Peroral Endoscopic Myotomy with Diverticulotomy Using a Double Tunnel Technique: Finding your Way to an Elusive Lower Esophageal Sphincter in Spastic Achalasia and Epiphrenic Diverticulum. *VideoGIE* 2024; 9:356-358.

Modified Submucosal Tunneling Endoscopic Resection for the Management of a Large Leiomyoma in the Gastric Fundus. *VideoGIE* 2024; 9: 353-355.

Peroral endoscopic myotomy (POEM) via a "Mediastinal Tunnel": Are We There Yet?: Commentary. *Endoscopy* 2024; 56: 718.

North American Expert Consensus on the Post-Procedural Care of Patients after Per-Oral Endoscopic Myotomy Using a Delphi Process. *Clin Gastroenterol Hepatol* 2024; 28:S1542-3565.

Novel Hemostatic Adhesive Powder to Prevent Delayed Bleeding After Endoscopic Submucosal Dissection in the Gastrointestinal Tract: First U.S. Multicenter Experience (With Video). *iGIE* 2024; online ahead of print.

Esophageal Per-Oral Endoscopic Myotomy (E-POEM): Future Directions and Perspectives. *Curr Gastroenterol Rep* 2024; 26: 241-250.

Peroral endoscopic myotomy (Z-POEM) versus flexible endoscopic septotomy (FES) for treatment of Zenker's diverticulum, does either make the cut? A systematic review and meta-analysis of outcomes. *Ann Gastroenterol* 2024. Online ahead of print.

Response to Recent Advancements and Future Perspective of Per Oral Endoscopic Myotomy. *Clin Gastroenterol Hepatol* 2024. Online ahead of print.

Endoscopic Gallbladder Drainage EUS LAMS vs ERCP Trans-papillary Drainage. *Curr Gastroenterol Rep* 2024. Online ahead of print.

Proper Management and Prevention of Bleeding and Perforation in Endoscopic Submucosal Dissection. *TIGE* 2024; online ahead of print.

Index admission cholecystectomy for acute cholecystitis reduces 30-day readmission rates in pediatric patients. *Surg Endosc.* 2024 Mar;38(3):1351-1357

Index admission cholecystectomy for biliary acute pancreatitis or choledocholithiasis reduces 30-day readmission rates in children. *Surg Endosc.* 2024 May;38(5):2649-2656

Bidirectional relationship between acute pancreatitis and pancreatic cancer. *Curr Opin Gastroenterol.* 2024 Sep 1;40(5):431-438.

CLINICAL TRIALS

PROTOCOL TITLE	STUDY	STUDY IRBNet#	STATUS
Development and Validation of a Video-based Per-oral Endoscopic Myotomy (POEM) Assessment Tool (POEMAT)	POEMAT	1798547	Hold - External, Post-Activation
Multicenter Prospective Evaluation of the Safety and Efficacy of a Self-Assembling Matrix-Forming Gel to Prevent Stricture Formation in High Risk Patients	Purastat	1931151	Active, CTE
Prospective Evaluation of the Clinical Utility of Endoscopic Closure Using a Dual Action Tissue (DAT) Clip	DAT CLIP	1931144	Active, CTE
A Randomized Trial Comparing Endoscopic UltraSound-guided Gastrojejunostomy (EUS-GJ) and Surgical Gastrojejunostomy (S-GJ) for the management of malignant gastric outlet obstruction. (RESTORE-TRIAL)	RESTORE	2036763	Active
Endoscopic Submucosal Dissection for Resection of T1b NO Esophageal Adenocarcinoma: A Retrospective Multicenter Study	T1b ESD	1976098	Active
Prospective Evaluation of the Clinical Utility of Lumen Apposing Metal Stents for the treatment of gastrointestinal diseases	LAMS Prospective Registry	1975339	Active
A prospective study of overall accuracy and inter-observer variability of EUS directed CBD size measurement.	EUS CBD	1957661	Active
Intraoperative predictors of balloon enteroscopy assisted endoscopic retrograde cholangiopancreatography (BEA-ERCP) failure in patients with Roux-en-Y gastric bypass (RYGB) and determination of the optimal time to cross over to endoscopic ultrasound directed trans gastric endoscopic retrograde cholangiopancreatography (EDGE)	ABDE-ERCP	1957666	Active
Prospective Evaluation of the Clinical Utility of Primary and Secondary Endoscopic Bariatric and Metabolic Therapies (EBMTs) in the treatment of obesity.	EBMT Registry	1957670	Active
A Prospective Cohort Study Evaluating for Acute Encephalopathy in Patients with Acute Pancreatitis	Panc Encephalopathy	1880150	Active
A Prospective Cohort Study Evaluating Risk Factors for Post-Sphincterotomy Bleeding	PEB - Post ERCP Bleed	1867351	Active
Prospective Evaluation of the Clinical Utility of Peroral Endoscopic Myotomy (POEM)	POEM Registry	1798543	Active
Prospective Evaluation of the Clinical Utility of Endoscopic Submucosal Dissection (ESD) in Western Population	ESD Registry	1798539	Active
A Prospective Cohort Study Evaluating PAN-PROMISE, a Patient-Reported Outcome Measure to Capture Morbidity related to Post-EUS Pancreatitis Symptoms	PAN PROMISE	1883588	Active
Prospective Multicenter Study Evaluating Learning Curves and Competence in Colorectal Endoscopic Mucosal Resection Among Advanced Endoscopy Trainees Using A Standardized Assessment Tool (Colorectal EMR-STAT Study)	EMR-STAT	1798538	Active, CTE
Safety of endoscopic resection of large colorectal polyps: A randomized trial	CLIPs	484793	Active, CTE
Prospective randomized controlled trial describing the recurrence rate of adenomas in sessile or flat colonic lesions 15mm or larger receiving post-resection site treatment with snare tip soft coagulation or argon plasma coagulation	Polyp Recurrence	1450478	Active, LPLV
Delphi Consensus Survey Study on the Post-operative Care After Peroral Endoscopic Myotomy (POEM)	POEM Delphi Survey	1976058	Active, Analysis
Retrospective Evaluation of the Clinical Utility of Lumen Apposing Metal Stents for the treatment of gastrointestinal diseases	LAMS Retrospective	1973243	Active, Analysis
Evaluation of the Clinical Outcomes of Peroral Endoscopic Myotomy for the Treatment of Esophageal Dysmotility in Patients on Chronic Opioids	POEM Opioids	1917008	Active, Analysis
EUS-guided gastroenterostomy versus surgical gastroenterostomy for palliation of malignant gastric outlet obstruction	EUS-GE vs SGJ	1942337	Active, Analysis
EUS-Guided pancreatic cyst ablation: A Registry	Pancreatic Cyst Ablation	723324	Active, Analysis
Lipidomics, Proteomics and Volatile Organic Compounds Biomarkers in Bile and Serum	LIPIDOMICS	649074	Active, Analysis
Polyp Temperature Profile and Pathology Correlation at a Single Site	OPT-005	2124923	Active, CTE
EchoTip AcuCore Post-Market Clinical Study	EchoTip AcuCore	2157827	Active
Clinical Outcomes of Endoscopic Submucosal Dissection for Superficial Neoplastic Lesions in the Gastrointestinal Tract.	Superficial Neoplastic Lesions	2178055	Active
Prospective Collection of Clinical Data Related to the Use of the 6mm EndoRotor Powered Debridement Catheter for Treatment of Walled Off Pancreatic Necrosis	EndoRotor	1908192	Active
Clinical Utility of Endoscopic Suturing and Esophageal Stent Placement in Patients with Esophageal Perforations and Leaks. A Retrospective Study.	Esophageal Perforations	2146800	Active
Clinical Outcomes in Patients With Acute Necrotizing Pancreatitis	ANP	2146800	Active
Prospective Randomized Controlled Trial Evaluating Adenoma Recurrence after Endoscopic Mucosal Resection with Margin Marking Or Post-Resection Treatment with Snare Tip Soft Coagulation (ERADICATE Trial)	ERADICATE	1880214	Active
Hybrid versus Non-Hybrid Endoscopic Submucosal Dissection for Colorectal Polyps: A Randomized Trial (SHORT-ESD)	SHORT-ESD	1880189	Active, LPLV



ADVANCED ENDOSCOPY FELLOWSHIP PROGRAM

The Advanced Endoscopy Fellowship at CIE is a premier training program with a distinguished history of excellence and innovation. Established in 2013 by Dr. Hasan, the program has flourished under the leadership of Dr. Kadkhodayan since 2021, expanding to offer three annual positions. With 18 fellows having completed the program to date, CIE remains committed to producing highly skilled, compassionate, and innovative endoscopists.

Over a rigorous 12-month curriculum, fellows gain comprehensive expertise in endoscopic ultrasound (EUS), endoscopic retrograde cholangiopancreatography (ERCP), luminal intervention, and advanced resection techniques. On average, graduates perform 700 EUS procedures, 500 ERCPs, and approximately 2,000 advanced endoscopy cases—significantly surpassing ASGE training benchmarks. Fellows also engage in didactic conferences, journal clubs, clinical case discussions, and cutting-edge research trials, ensuring a well-rounded educational experience.

CIE's fellowship program thrives on its core strengths: **comprehensive hands-on training** in advanced techniques, **world-class faculty** who provide dedicated mentorship, and access to the latest **innovations in endoscopic technology** through strong industry partnerships. The program places a strong emphasis on **quality care and patient-centered wholeness**, reflecting CIE's holistic approach to treatment. Additionally, fellows benefit from CIE's renowned **educational events**, such as Orlando Live Endoscopy, the Florida Third Space Endoscopy Workshop, and the Endobariatrics Suturing Masterclass, which provide valuable opportunities for learning, networking, and professional growth.

A **collaborative team environment** fosters shared learning and mutual respect among fellows, physicians, nurses, and technicians, creating a supportive atmosphere that empowers graduates to excel in their careers and advance the field of advanced endoscopy.

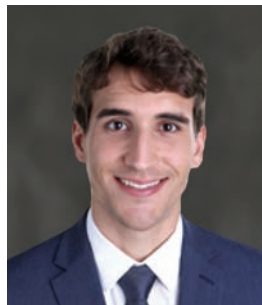


Building lifelong connections and creating a sense of family that extends beyond the program is what builds a lasting legacy

Dr. Kambiz Kadkhodayan



Abdul Sattar Shariq Mohammed, MD
AdventHealth Orlando,
Orlando, Florida



Carlos Bertran-Rodriguez, MD
University of South Florida
Tampa, Florida



Zubair Khan, MD
University of Texas
Health Science Center
at Houston
Houston, Texas

Advanced Endoscopy
Fellow Program
2025 - 2026



Abdullah Abbasi, MD
Health Education England
West Midlands Region,
United Kingdom

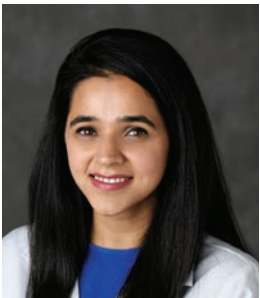


Saurabh Chandan MD
Creighton University
School of Medicine,
Omaha, Nebraska



Sagar Pathak, MD
University of California,
San Francisco, California

Advanced Endoscopy
Fellow Program
2024 - 2025



Maham Hayat, MD
University of Oklahoma
Oklahoma City, Oklahoma



Yasi Xiao, MD
University of Toronto
Toronto, Canada



Waleed Aljohani, MD
Cornell University
New York, New York

Advanced Endoscopy
Fellow Program
2023 - 2024

EDUCATIONAL SYMPOSIA



With a mission to advance the field of interventional endoscopy and share knowledge across the globe, CIE hosts a number of physician, advanced practice providers, and allied health educational events throughout the year for local, national and international audiences. These include major annual conferences, monthly Grand Rounds events with live cases and didactic lectures. We continue to offer monthly journal clubs, Pathology Conference and faculty lectures throughout the year. CIE is also actively involved in training the next generation of interventional endoscopists through its Advanced Endoscopy Fellowship program.

Orlando Live Endoscopy 2024 - February 7, 8, 9, 2024

This CME and MOC accredited event is designed to provide participants with a comprehensive education in all aspects of advanced endoscopy. The Conference includes, 45 Live Endoscopy Cases, performed by world class National and International Faculty, 2 Hands on Labs, 1 Full Day Dedicated to Nurses and Technicians, and 2 Full Days Dedicated to Physicians and Fellows.

AdventHealth Pancreas Updates 2024 - August 17, 2024

This event is designed to provide participants with a comprehensive cover of current best practices and controversies in pancreatic diseases, including, dedicated sessions on assessment and management of acute pancreatitis, chronic pancreatitis, necrotizing pancreatitis, pancreatic cysts and the role of endoscopy in pancreatic malignancy.

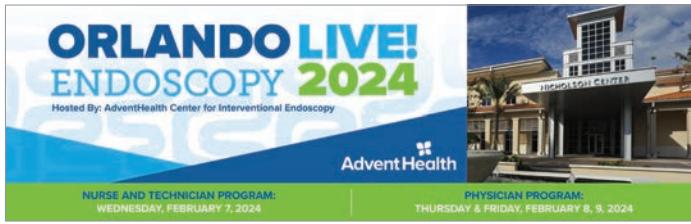
Endobariatric Symposium and Suturing Masterclass - October 6, 7, 2024

This event is designed to equip attending physicians with the essential knowledge and skills for performing endobariatric procedures and endoscopic suturing for both bariatric and non-bariatric surgeries. The course includes immersive hands-on laboratory sessions proficiently performing endoscopic weight loss procedures, including Transoral Outlet Reduction (TORe) and Endoscopic Sleeve Gastroplasty (ESG) in inanimate and animate tissue, live case broadcasts, and instructive video-based case studies.

Florida Third Space Endoscopy Workshop - November 17, 18, 19, 2024

This event aims to update practicing advanced endoscopists on the latest procedures in endoscopic submucosal dissection (ESD), per-oral endoscopic myotomy (POEM), gastric peroral endoscopic myotomy (G-POEM), submucosal tunneling resection and more. It's designed to provide a comprehensive, three-day, individualized hands-on workshop on current and emerging techniques in third space endoscopy. The course had two different agendas - one tailored for beginners and one for those with some clinical experience in third space endoscopy.

CIE CONFERENCES 2024

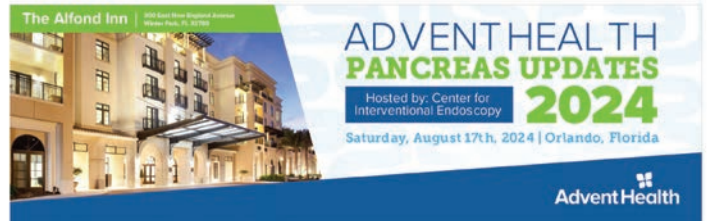


**ORLANDO LIVE!
ENDOSCOPY 2024**
Hosted By: AdventHealth Center for Interventional Endoscopy

AdventHealth

NURSE AND TECHNICIAN PROGRAM:
WEDNESDAY, FEBRUARY 7, 2024

PHYSICIAN PROGRAM:
THURSDAY & FRIDAY, FEBRUARY 8, 9, 2024



The Alford Inn | 390 East New England Avenue
Orlando, FL 32817

**ADVENT HEALTH
PANCREAS UPDATES
2024**
Hosted by: Center for
Interventional Endoscopy

Saturday, August 17th, 2024 | Orlando, Florida

AdventHealth



OCTOBER 6, 7, 2024 | LIMITED SPOTS AVAILABLE

**ENDOBIARIATRIC
SYMPOSIUM AND SUTURING
MASTERCLASS 2024**

Hosted by:
AdventHealth
Center for
Interventional
Endoscopy

AdventHealth



**FLORIDA
THIRD SPACE
ENDOSCOPY
WORKSHOP**

PRESENTED BY ADVENTHEALTH CENTER FOR INTERVENTIONAL ENDOSCOPY

BEGINNERS TWO DAY COURSE:
NOVEMBER 17 & 18, 2024

ADVANCED THREE DAY COURSE:
NOVEMBER 17, 18, 19, 2024

CIE PHOTO HIGHLIGHTS





Advent Health

Center for Interventional Endoscopy