



SAGES

SOCIETY OF AMERICAN GASTROINTESTINAL AND ENDOSCOPIC SURGEONS

SAGES 2023 Flexible Endoscopy Course for Fellows

Center for the Future of Surgery, University of California, San Diego School of Medicine | La Jolla, CA

September 7-9, 2023

Goals and Objectives: At the end of the course, the MIS fellow will be familiar with GI endoscopes, towers, and the instruments used for endoscopy and endoscopic surgery. The fellow will also be able to identify the most common types of GI pathology and options for management.

Course Chairs: Bryan Sandler, MD, Amber Shada, MD & Ryan Juza, MD

Course Faculty:

Ezra Teitelbaum, MD
James Ellsmere, MD
Ryan Broderick, MD
Garth Jacobsen, MD
Brian Smith, MD
Zachary Callahan, MD
Josh Winder, MD

Nick Bildzukewicz, MD
Sam Eisenstein, MD
Nicole Lopez, MD
David Kunkel, MD
Marcos Michelotti, MD

Thursday September 7, 2023

6:45-7:00 PM Registration | Ballroom | Sheraton La Jolla

7:00-8:30 PM Faculty & Fellows Welcome Reception | Ballroom | Sheraton La Jolla

8:00-8:15PM Faculty Orientation

Friday September 8, 2022

6:30am Meet in Sheraton Lobby to walk to the Center for the Future of Surgery in the Medical Education and Telemedicine Building at UC San Diego School of Medicine

6:45am Registration and Breakfast | Learning Centers, MET Building

7:15-7:30am **Introduction:** *Why you're here, what we're going to learn.* Bryan J. Sandler, MD

7:30-8:15am **Panel I: Masses, Polyps, and Ulcers with Biopsy and Polypectomy Techniques**



Cases will be presented that illustrate the use of endoscopic biopsy forceps and snares, with emphasis on the type of pathology that are best suited for each of these instruments. Endoscopic video clips will be presented to enhance the fellow’s ability to recognize GI endoluminal pathology.

Moderator: James Ellsmere, MD

Panelists: Nicole Lopez, MD; David Kunkel, MD; Brian Smith, MD; Marcos Micheolotti, MD

Case 1: Colon Cancer
Biopsy forceps (cold) and biopsy brush

Case 5: Barrett’s Esophagus
Multi-quadrant Biopsy (Seattle protocol)

Case 2: Pedunculated Polyp
Snare Cautery Polypectomy

Case 6: Gastric Ulcer
Multiple Biopsy of Ulcer Edges

Case 3: Sessile Cecal Polyp
Cold Snare Polypectomy

Case 7: Fundic Gland Polyps
Management? No Biopsy?

Case 4: Rectosigmoid Hyperplastic Polyp
Cold vs Hot Biopsy Forceps; Mini-Snare

Case 8: Sessile Rectal Lesion
Endoscopic Mucosal Resection

8:15-8:30am **Bleeding Management Overview**

Presenter: Ryan Juza, MD

Energy sources: Different types of energy sources and instruments will be presented along with application techniques for GI endoscopy.

- Overview of the Tools of the Trade
- Overview of multimodal therapy
- Overview of clip types and capabilities

8:30-9:30am **Panel 2: Control of Hemorrhage with Case Presentations:**

Cases will be presented that illustrate how the types of energy sources are used in GI endoscopy, specifically, coaptive coagulation, radiofrequency ablation, Argon plasma and other laser applications. Endoscopic video clips will be presented to enhance the fellow’s ability to recognize GI endoluminal pathology.

Moderator: Ryan Juza, MD

Panelists: Ryan Broderick, MD; Sam Eisenstein, MD; Nick Bildzukewicz, MD; Marcos Michelotti, MD

Prophylactic Vessel Management- Coag grasper

Peptic Ulcer – topical medications (topical hemostatic agents)

Vascular lesion (AVM, DeLafoy) - Gold probe
GAVE/Proctitis- APC

Gastric Varix – Cyanoacrilate Injection
Staple line bleeding – Endoclip



Variceal Bleeding – Banding
 Variceal Bleeding – Blakemore tube
 Peptic Ulcer – Injection therapy

Peptic ulcer bleeding – OTSC
 Bleeding management – Overstitch
 Polyp Bleeding Prevention – Endoloop

9:30-9:45am **Break** (*Refreshments will be provided*)

9:45-10:05am **Laparoscopic Transcystic Common Bile Duct Exploration**

Presenter: Ezra Teitelbaum, MD

10:05-10:20am **Dilators and Stents:**

Appropriate uses of dilators (e.g., Maloney, Savory, balloon, pneumatic) will be presented which are utilized in GI endoscopy to dilate benign, malignant esophageal strictures and esophageal stents used for treatment of esophageal strictures and perforation.

Presenter: David Kunkel, MD

10:20-11:05am **Panel 3: Stricture and Perforation Management**

Illustration of the types of dilators and stents and how they are used in GI endoscopy, specifically, dilation of a benign esophageal stricture (e.g. balloon, Savory), treatment of a benign or malignant esophageal stricture with a stent, and treatment of an esophageal perforation with a covered stent. Endoscopic video clips will be presented to enhance the fellow’s ability to recognize GI endoluminal pathology.

Moderator: Ryan Broderick, MD

Panelists: Garth Jacobsen, MD; Zachary Callahan, MD; James Ellsmere, MD

Case 1: Anastomotic stricture (GJ post gastric bypass)
 Balloon Dilation

Case 4: Colon Cancer
 Stent (uncovered)

Case 2: Schatzki’s Ring
 Balloon Dilation (can traverse)

Case 5: Sleeve Gastrectomy Leak
 Stent (covered, multiple)

Case 3: Esophageal Cancer
 Stent (fully vs. partially covered)

Case 6: Radiation Induced Cervical Stricture
 Savary Dilators, Wire-guided, Fluoroscopy

11:05-11:35am **Advanced Endoscopic Techniques - How I Do It**

Endoscopic Mucosal Resection, Endoscopic Submucosal Dissection, Mucosal Ablation, and Per-Oral Endoscopic Myotomy: Introduction of tools and appropriate technique application of endoscopic mucosal resection, endoscopic submucosal dissection, mucosal ablation with either radiofrequency ablation or cryoablation, and per-oral endoscopic myotomy.

Presenter: Zachary Callahan, MD



11:35-11:45am **Lunch**

11:45am-12:05pm **Endoscopic Weight Loss Procedures & ESG technique**

Presenter: Josh Winder, MD

12:05-12:20pm **Endoscopic GERD Management & TIF techniques**

Presenter: Nick Bildzukewicz, MD

12:20-12:35pm **Clips, Suture and Nets:**

Types of endo-clips, suturing devices and retrieval nets utilized in GI endoscopy will be introduced along with the appropriate uses of these instruments.

Presenter: James Ellsmere, MD

12:35-12:45pm **EVAC: How I do it**

Presenter: Bryan Sandler, MD

12:40-1:00pm **UCSD Center for the Future of Surgery, Lab Overview**

Presenter: Bryan Sandler, MD

1:00-5:00pm **Hands-on Laboratory, CFS**

Instructors: Garth Jacobsen, MD; James Ellsmere, MD; Nicole Lopez, MD; Sam Eisenstein, MD; Brian Smith, MD

Group I: 10 stations / no rotation / 30 fellows / duration: 4 hours

Stations 1-5 Olympus towers/scopes

Stations 6-10 Fuji towers/scopes

1. Tower Setup and Trouble Shooting
2. Foreign Body Removal
3. Sclerotherapy/Needle injection/tattoo
4. Variceal Banding
5. Saline Lift Polypectomy/Hybrid APC
6. Management of Bleeding – injection, Gold probe, Coag-Grasper, Hemospray

BREAK -15 minutes

7. Polyloop Placement
8. Application of clips
9. Balloon Dilation
10. Enteral Access (PEG, PEG-JET)
11. Endo VAC



- 12. Internal Drainage
- 13. Ovesco & Padlock OTSC

Group II: 10 stations / 30 fellows / duration: 4 hours

Instructors:

- Station 11/12- SpyGlass Discover | **Ezra Teitelbaum, MD**
- Station 13 - POEM | **Ryan Broderick, MD**
- Station 14 - POP | **Josh Winder, MD**
- Station 15/16 – ESD/EMR | **Zachary Callahan, MD**
- Station 17 - EndoFlip, Barrx, Bravo pH probe | **David Kunkel, MD**
- Station 18 - Apollo Overstitch | **Ryan Juza, MD**
- Station 19 - TIF | **Nick Bildzukewicz, MD**
- Station 20 - Stent placement (BSCI, Cook, Merit medical) | **Marcos Michelotti, MD**

BREAK – 15 minutes

- 5:15pm Walk back to Sheraton Hotel
- 6:30pm Social Event/Dinner
- Casa Guadalajara
- 4105 Taylor Street, San Diego, CA 92110

Saturday, September 9, 2022

- 8:00am Meet at Sheraton Lobby for walk to Center for the Future of Surgery/MET Building
- 8:00-9:00am Breakfast | Learning Center in MET Building
- 8:30-9:00am **Where is that Leak? Endoscopic salvage case panel discussion**
- Moderator: Ryan Broderick, MD**
- Panelists: Ryan Juza, MD; Josh Winder, MD; James Ellsmere, MD; Marcos Michelotti, MD**
- 9:00-1:00pm **Hands-on Laboratory**
- Group I** will perform the techniques at stations 11-20
- Group II** will perform the techniques at stations 1-10
- 1:00pm Box lunch and Evaluations



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2:00pm

Airport Shuttle Departs to San Diego International Airport