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 Ellesmere, MD
Ryan Broderick, MD
Garth Jacobsen, MD
Brian Smith, MD
Michael Ujiki, MD
Sal Docimo, MD
Nick Bildzukewicz, MD
Sam Eisenstien, MD
Lisa Parry, MD
David Kunkel, 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 Ellesmere, MD**

**Panelists: Lisa Parry, MD; David Kunkel, MD; Brian Smith, MD**

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

**Case 2:** Pedunculated Polyp  
Snare Cautery Polypectomy

**Case 3:** Sessile Cecal Polyp  
Cold Snare Polypectomy

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

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

**Case 6:** Gastric Ulcer  
Multiple Biopsy of Ulcer Edges

**Case 7:** Fundic Gland Polyps  
Management? No Biopsy?

**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**

Prophylactic Vessel Management- Coag grasper  
Vascular lesion (AVM, DeLafoy) - Gold probe  
GAVE/Proctitis- APC  
Variceal Bleeding – Banding

Peptic Ulcer – topical medications (topical hemostatic agents)  
Gastric Varix – Cyanoacrilate Injection  
Staple line bleeding – Endoclip  
Peptic ulcer bleeding – OTSC
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*

**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; Michael Ujiki, MD; James Ellesmere, MD*

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

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

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

- **Case 4:** Colon Cancer  
  Stent (uncovered)

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

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

**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: Michael Ujiki, MD*

**11:35-11:45am Lunch**
11:45am-12:05pm **Endoscopic Weight Loss Procedures & ESG technique**

**Presenter:** Sal Docimo, MD

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

**Presenter:** Amber Shada, MD, Nicolai Bildzukewicz, MD, Ryan Broderick, 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 Ellesmere, MD

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

**Presenter:** Bryan Sandler, MD

12:40-1:00 PM **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; Ryan Broderick, MD; Nick Bildzukewicz, MD; Lisa Parry, MD; Sam Eisenstein, MD; Brian Smith, MD

**Group I:** 12 stations / no rotation / 36 fellows / duration: 4 hours

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

**BREAK -15 minutes**

8. Polyloop Placement
9. Balloon Dilation
10. Enteral Access (PEG, PEG-JET)
11. Endo VAC
12. EMR
13. Application of Clips
14. Internal Drainage
15. Ovesco & Padlock OTSC

**Group II:** 9 stations / 27 fellows / duration: 4 hours

**Instructors:**

- Station 13- SpyGlass Discover | **Ezra Teitelbaum, MD**
- Station 14- POEM and POP | **Amber Shada, MD**
- Station 15- ESD | **Michael Ujiki, MD**
- Station 16 - EndoFlip, Barrx, Bravo pH probe | **David Kunkel, MD**
- Station 17 - Apollo Overstitch | **Sal Docimo, MD**
- Station 18 - Stretta | **James Ellesmere, MD**
- Station 19 - TIF | **James Ellesmere, MD**
- Station 20 - Ambu station | **Ryan Juza, MD**
- Station 21 - Stent placement (BSCI, Cook, Merit medical, Taewoong) | **Bryan Sandler, MD**

**BREAK – 15 minutes**

5:15pm  Walk back to Sheraton Hotel

6:30pm  Social Event

**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, MD; Michael Ujiki, MD; James Ellesmere, MD**

9:00-1:00pm  **Hands-on Laboratory**

  **Group I** will perform the techniques at stations 13-21

  **Group II** will perform the techniques at stations 1-12

1:00pm  Box lunch and Evaluations

2:00pm  Airport Shuttle Departs to San Diego International Airport