



# SAGES

SOCIETY OF AMERICAN GASTROINTESTINAL AND ENDOSCOPIC SURGEONS

## SAGES 2022 Flexible Endoscopy Course for Fellows

Grainger Center for Simulation and Innovation, NorthShore University Health System's Evanston Hospital | Evanston, IL  
September 8-10, 2022

**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:** Michael Ujiki, MD and Bryan Sandler, MD

### Course Faculty:

Bipan Chand, MD  
James Ellsmere, MD  
Eleanor Fung, MD  
Mason Hedberg, MD

Sara Hennessey, MD  
Ryan Juza, MD  
Andrew Kastenmeir, MD  
Monika Krezalek, MD  
Michael McCormack, MD

Sabrena Noria, MD  
Amber Shada, MD  
Ezra Teitelbaum, MD

## Thursday September 8, 2022

6:45-7:00 PM Registration | Heritage Ballroom | Hilton Orrington

7:00-8:30 PM Faculty & Fellows Welcome Reception | Heritage Ballroom | Hilton Orrington

8:00-8:15PM Faculty Orientation

## Friday September 9, 2022

6:30am Meet in Hilton Orrington Lobby for shuttle to Evanston Hospital, Main Entrance

6:45am Registration and Breakfast | Frank Auditorium, Evanston Hospital

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

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:** *Monika Krezalek, MD*

**Panelists:** *James Ellsmere MD, Eleanor Fung, MD, & Andrew Kastenmeir, 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:** *Sara Hennessey, 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:** *Bryan Sandler, MD*

**Panelists:** *Sara Hennessey, MD & Michael Ujiki, MD*

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

Peptic Ulcer – topical medications (topical hemostatic agents)  
 Gastric Varix – Cyanoacrylate Injection  
 Staple line bleeding – Endoclip  
 Peptic ulcer bleeding – OTSC  
 Bleeding management – Overstitch



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

9:45-10:00am **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:** *Bipan Chand, MD*

10:00-10:15am **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:** *Ryan Juza, MD*

10:15-11am **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:** *Sabrena Noria, MD*

**Panelists:** *Ezra Teitelbaum, MD, Mason Hedberg, MD, Ryan Juza, 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

11:00-11:30am **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:** *Mason Hedberg, MD*



11:30-11:45am **Lunch** (select boxed lunch and return to lecture hall)

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

**Presenter:** *Michael McCormack, MD*

12:05-12:25pm **Endoscopic GERD Management**

**Presenter:** *Amber Shada, MD*

12:25-12:45pm **Laparoscopic Transcystic Common Bile Duct Exploration**

**Presenter:** *Ezra Teitelbaum, MD*

12:45-1:00 PM **Grainger Center for Simulation and Innovation (GCSI), Lab Overview**

**Presenter:** *Michael Ujiki, MD*

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

**Instructors:** *Bipand Chand, MD, James Ellsmere, MD, Eleanor Fung, MD, Sara Hennessey, MD, Ryan Juza, MD, Andrew Kastenmeier, MD, Sabrena Noria, MD, & Bryan Sandler, MD*

**Group I:** 15 stations / no rotation / 32 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

Breakout Sessions

15. Ovesco
16. GI Stenting



**Group II:** 6 stations / 32 fellows (5-6 per station) / duration: 4 hours (40 minutes per station)

**Instructors:**

Station 17 - ESD | **Monika Krezalek, MD**

Station 18 - EndoFlip, Barrx, Bravo pH probe | **Michael Ujiki, MD**

Station 19 - Apollo Overstitch | **Michael McCormack, MD**

Station 20 – POEM | **Amber Shada, MD**

Station 21 – POP | **Mason Hedberg, MD**

Station 22 - Spyglass Discover | **Ezra Teitlebaum, MD**

BREAK – 15 minutes after third station

5:15pm Shuttle Back to Hotel Orrington

6:30pm Social Event

## Saturday, September 10, 2022

8:00am Meet at Hotel Orrington Lobby for Shuttle to Evanston Hospital Main Entrance

8:00-9:00am Breakfast | GCSI

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

**Group I** will perform the techniques at stations 16-21

**Group II** will perform the techniques at stations 1-15

1:00pm Box lunch and Evaluations

2:00pm Airport Shuttle Departs to O'Hare International Airport