



SAGES

SOCIETY OF AMERICAN GASTROINTESTINAL AND ENDOSCOPIC SURGEONS

SAGES 2024 Flexible Endoscopy Course for Fellows

Clinical Simulation Program University of Wisconsin-Madison School of Medicine and Public Health
| Madison, WI

September 19-21, 2024

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: Amber Shada MD, Ryan Juza, MD, and Eleanor Fung, MD

Course Faculty: Paul Colavita, MD; Salvatore Docimo Jr., MD; James Ellsmere, MD; Mason Hedberg, MD; Natalie Liu, MD; Luis Lomeli, MD; Michael McCormack, MD; Eric Pauli, MD; Toria Rendell, MD; Bryan Sandler, MD; Amber Shada, MD; Andrew Spiel, MD; Ezra Teitelbaum, MD; Kristen Wong, MD; and Christopher Zimmermann, MD

Thursday, September 19, 2024

7:00-8:30 PM: Fellows & Faculty Welcome Reception | Amache Ballroom, Best Western Plus Inntower

Friday, September 20, 2024

6:30 AM: Meet in Best Western Plus Inntower Lobby, *walk to UW Health Clinical Simulation Program*

6:45 AM: Fellows Check In and Breakfast

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

7:30-8:15 AM: **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:

Panelists:

CASES PRESENTED:

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

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

Presenter:

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

8:30-9:15 AM **Panel II: 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:

Panelists:

CASES PRESENTED:

- Prophylactic Vessel Management- Coag grasper
- Peptic Ulcer – topical medications (topical hemostatic agents)
- Vascular lesion (AVM, DeLafoy) - Gold probe
- Gastric Varix – Cyanoacrylate Injection
- GAVE/Proctitis- APC
- Staple line bleeding – Endoclip
- Variceal Bleeding – Banding
- Peptic ulcer bleeding – OTSC
- Variceal Bleeding – Blakemore tube
- Bleeding management – Overstitch
- Peptic Ulcer – Injection therapy Polyp Bleeding Prevention – Endoloop



9:15-9:30 AM BREAK *Refreshments will be provided*

9:30-9:45 AM **Laparoscopic Transcystic Common Bile Duct Exploration**

Presenter:

9:45-10:00 AM **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:

10:00-10:45 AM **Panel III: 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:

Panelists:

CASES PRESENTED

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

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

10:45-11:00 AM **Advanced Endoscopic Techniques – Tools of the trade and an overview**

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:



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11:00-11:15 AM **Endoscopic Weight Loss Procedures & ESG technique**

Presenter:

11:15-11:30 AM **Endoscopic GERD Management**

Presenter:

11:30-12:15 PM Lunch and Learn Small Groups with Faculty

12:15-12:30 PM Lab Overview

12:30-5:00 PM Hands on Laboratory

BREAK FROM 3:00-3:15 PM

Instructors:

Group I: MULTISTATION

10 stations / no rotation / 30 fellows / duration: 4.5 hours

Stations 1-5 Olympus towers/scopes

Stations 6-10 Fuji towers/scopes

SKILLS:

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
8. Polyloop Placement
9. Balloon Dilation
10. EMR
11. Application of Clips
12. Internal Drainage
13. Endo VAC (breakout station)
14. Ovesco & Padlock OTSC (breakout station)
15. Stent placement (breakout station)



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Group II: FOCUS STATION

10 stations / 30 fellows / duration: 4.5 hours

Instructors:

Station 11/12: SpyGlass Discover

Station 13/14: POEM

Station 15/16: POP

Station 17/18: Overstitch

Station 19: EndoFlip, Barrx, Bravo pH probe |

Station 20: TIF

5:15 PM: Walk back to Best Western Plus Inntower

7:30 PM Social Event: Great Dane Pub & Brewing Co

Saturday, September 21, 2024

7:30 AM Meet in Best Western Plus Inntower Lobby, *walk to Clinical Simulation Program*

7:45-8:30 AM Breakfast and Lecture

8:30-1:00 PM Hands-On Laboratory

Group I will perform the techniques at FOCUS STATIONS

Group II will perform the techniques at MULTISTATIONS

1:00 PM Box lunch and Evaluations

2:00 PM Airport Shuttle Departs to MSN Airport