



## SAGES 2021 Flexible Endoscopy Course for Fellows

University at Buffalo Jacobs School of Medicine and Biomedical Sciences, | October 7-9 2021 | Buffalo, NY

**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:** Eleanor Fung, MD, Michael Ujiki M.D

**Course Faculty:** Todd Demmy, MD; Robert Fanelli, MD; Aaron Hoffman, MD; Vivek Kaul, MD; Thomas Mahl, MD; Sultan Mahmood, MD; Jeff Marks, MD; Jose Martinez, MD; Sabrena Noria, MD; Eric Pauli, MD; Yaron Perry, MD; Alan Posner, MD; John Rodriguez, MD; Christina Sanders, MD; Bryan Sandler, MD; Amber Shada, MD

### Thursday October 7 2021

6:00-8:00pm Registration outside Reception at the UB Medical School lobby

7:00-8:30pm Faculty & Fellows Welcome Reception at the UB Medical School lobby

8:00-8:15pm Faculty Briefing

### Friday October 8 2021

7:15am Meet in hotel lobby to walk to UB Medical School

7:30-7:45am Breakfast at UB Medical School lecture hall

7:45-8:00am Welcome to Buffalo and Introduction: *Why you're here, what we're going to learn.*

8:00-8:45am **Panel I: Masses, Polyps, and Ulcers with Biopsy and Polypectomy Techniques** (45 minutes)  
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:** Bryan Sandler

**Panelists:** Thomas Mahl, Aaron Hoffman, Jose Martinez

Case 1: Colon cancer (5 minutes)  
Biopsy forceps (cold) and biopsy brush

Case 2: Pedunculated polyp (5 minutes)  
Snare Cautery Polypectomy

Case 3: Sessile cecal polyp (5 minutes)  
Cold Snare Polypectomy



Case 4: Rectosigmoid hyperplastic polyp (5 minutes)  
Cold vs hot biopsy forceps; mini-snare

Case 5: Barrett's esophagus (5 minutes)  
Multiquadrant biopsy (Seattle protocol)

Case 6: Gastric Ulcer (5 minutes)  
Multiple biopsy of ulcer edges

Case 7: Fundic gland polyps (5 minutes)  
Management? No biopsy?

Case 8: Sessile Rectal Lesion (10 minutes)  
Endoscopic mucosal resection

8:45-9:00am

**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:** Eric Pauli

9:00-9:15am

**Bleeding Management Overview**

**Presenter:** Sultan Mahmood

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

9:15-10:15am

**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:** Jose Martinez

**Panelists:** Vivek Kaul, Eric Pauli, Bryan Sandler

- Prophylactic Vessel Management- Coag grasper (5 minutes)
- Vascular lesion (AVM, DeLafoy) - Gold probe (5 minutes)
- GAVE/Proctitis- APC (5 minutes)
- Variceal Bleeding – Banding (5 minutes)
- Variceal Bleeding – Blakemore tube (5 minutes)
- Peptic Ulcer – Injection therapy (5 minutes)
- Peptic Ulcer – topical medications (topical hemostatic agents) (5 minutes)



- Gastric Varix – Cyanoacrylate Injection (5 minutes)
- Staple line bleeding – Endoclip (5 minutes)
- Peptic ulcer bleeding – OTSC (5 minutes)
- Bleeding management – Overstitch (5 minutes)
- Polyp Bleeding Prevention – Endoloop (5 minutes)

10:15-10:30am **Break** (*Refreshments will be provided*) UB Medical School lecture hall

10:30-10:45am **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:** Todd Demmy

10:45-11:30am **Panel 4: 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:** Jeff Marks

**Panelists:** Yaron Perry, Amber Shada, Robert Fanelli

Case 1: Anastomotic stricture (GJ post gastric bypass) (10 minutes)  
Balloon dilation

Case 2: Schatzki's ring  
Balloon dilation (can traverse) (5 minutes)

Case 3: Esophageal cancer (10 minutes)  
Stent (fully vs. partially covered)

Case 4: Colon cancer (5 minutes)  
Stent (uncovered)

Case 5: Sleeve gastrectomy leak (10 minutes)  
Stent (covered, multiple)

Case 6: Radiation induced cervical stricture (5 minutes)  
Savary dilators, wire-guided, fluoroscopy

11:30am-12pm **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:** John Rodriguez



12:00-12:45pm **Lunch and Lab Overview** (*Lunch will be provided in UB Medical School lecture hall*)

**Refreshments and Snacks** *will be provided right outside the lab*

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

**Instructors:**

Group I: 10 stations 30 fellows (Duration: 4 hours)

1. Tower Setup and Trouble Shooting
2. Sclerotherapy
3. Variceal Banding
4. Tattoo
5. Saline Lift Polypectomy
6. Management of Bleeding –gold probe, argon/APC
7. Application of Clips

BREAK -15 minutes

8. Ovesco/Padlock clips
9. Polyloop Placement
10. Foreign Body Removal
11. Balloon Dilation
12. Enteral Access (PEG, PEG-JET)

Group II: 5 stations 30 fellows (Duration: 4 hours- 48 minutes per station)

- Station 11- EMR/ESD
- Station 12 – EndoFLIP/Barrx, Stretta
- Station 13: Apollo overstitch

BREAK – 15 minutes

- Station 14: POEM
- Station 15: Evac and GI Stenting

5:15pm Walk back to hotel

6:30pm Meet in hotel lobby for shuttle to Pearl Street Grill & Brewery

(1st shuttle depart to return to hotel at 9pm and 2<sup>nd</sup> shuttle depart to return to hotel at 12am).

**Saturday October 9 2021**



# SAGES

SOCIETY OF AMERICAN GASTROINTESTINAL AND ENDOSCOPIC SURGEONS

- 8:00am Meet in Hotel lobby to walk to UB Medical School
- 8:15-8:30 am Breakfast *will be provided in UB Medical School lecture hall*
- 8:30-8:45am **Endoscopic Weight Loss Procedures**  
**Presenter:** Sabrena Noria
- 8:45-9:00am **Endoscopic GERD Management**  
**Presenter:** Amber Shada
- 9:00-1:00pm **Hands-on Laboratory** (UB staff escort participants to Lab)  
  
Group I will perform the techniques in Stations 16-25. Group II will perform the techniques in stations 1-15.
- 11:00am **Break** (*Refreshments and Snacks will be provided in the Lab Conference Room*)
- 1:00pm Box lunch and Evaluations – UB Medical School lecture hall
- 2:00pm Walk back to the Wyndham
- 3:00pm Airport shuttle departs to Buffalo-Niagara International Airport outside Wyndham hotel lobby