



BASIC GASTROINTESTINAL ENDOSCOPY

5-DAY INTENSIVE COURSE

October 23-27

COURSE DIRECTOR

G. Costamagna (IT)

7:45 am — REGISTRATION AND WELCOMING OF PARTICIPANTS

8:00 am — **THEORETICAL SESSION**

Introduction to endoscopy

- Informed consent for gastrointestinal endoscopy
- Patient preparation and sedation
- Cleaning and disinfection
- Electrosurgical principles for endoscopy
- Antibiotic prophylaxis
- Anticoagulation and endoscopy

Upper gastrointestinal endoscopy

- Instrumentation
- Indications and contraindications
- Technique and identification of landmarks (with videos)
- Common pathologies for upper GI endoscopy
 - Cancers, polyps, submucosal lesions
 - Ulcers and hemorrhage
 - GERD and Barrett's esophagus
 - Varices
- When and how to take biopsies
- Transnasal upper endoscopy
- Complications

1:00 pm — LUNCH AT THE INSTITUTE

2:00 pm — **EXPERIMENTAL LABORATORY**

Hands-on session on dry-lab simulators and toolbox

5:30 pm — END OF SESSION

7:45 am — EVALUATION OF THE PREVIOUS DAY

8:00 am — **THEORETICAL SESSION**

Colonoscopy

- Preparation
- Indications and contraindications
- Instrumentation
- Technique (with videos)
 - Scope insertion
 - Scope withdrawal
 - Complications
- Common pathologies of the lower GI tract
 - Cancer
 - Polyps
 - Inflammatory bowel diseases
 - Angiodysplasia
 - Diverticulosis
- When and how to take biopsies
- Quality measures
- Artificial intelligence in colonoscopy
- Robotic colonoscopy

1:00 pm — LUNCH AT THE INSTITUTE

2:00 pm — **EXPERIMENTAL LABORATORY**

Hands-on session on dry-lab simulators and toolbox

5:30 pm — END OF SESSION

7:45 am — EVALUATION OF THE PREVIOUS DAY

8:00 am — THEORETICAL SESSION

Small bowel (enteroscopy)

- Indications and contraindications
- Enteroscopy techniques
 - Push enteroscopy
 - Principles of device-assisted enteroscopy
 - > Balloon-assisted enteroscopy (single, double)
 - > Spiral enteroscopy
 - > Motorized spiral enteroscopy
 - Techniques of device-assisted enteroscopy
 - Complications
- Common pathologies of the small bowel
 - Angiodysplasia
 - Crohn's disease
 - Mucosal lesions
 - Tumors
 - Polyps

Small bowel (wireless capsule endoscopy)

- Technology
- Setting and preparation
- Indications and contraindications
- Common pathologies
- Reading a VCE study
- Artificial intelligence and VCE

1:00 pm — LUNCH AT THE INSTITUTE

2:00 pm — HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS)

Hands-on session on dry-lab simulators of VCE

5:30 pm — END OF SESSION

8:00 pm — DINNER IN HONOR OF THE PARTICIPANTS

7:45 am — EVALUATION OF THE PREVIOUS DAY

8:00 am — **THEORETICAL SESSION**

Upper GI emergencies

- Upper GI bleeding
 - Timing of endoscopy
 - Preparation of the patient
 - Medical therapy
 - Classification of bleeding
- Techniques of hemostasis in ulcer bleeding
 - Injection
 - Monopolar and bipolar coagulation
 - Argon plasma coagulation (APC)
 - Clips
 - Powders and hemostatic agents
- Techniques of hemostasis in variceal bleeding
 - Sclerotherapy
 - Band ligation
 - Glue injection
 - Powders and hemostatic agents
- Foreign bodies retrieval
- Caustic ingestion
 - Classification of caustic agents
 - Timing of endoscopy
 - Classification of caustic injuries

1:00 pm — LUNCH AT THE INSTITUTE

2:00 pm — **EXPERIMENTAL LABORATORY**

Hands-on session of hemostatic techniques on ex-vivo models

5:30 pm — END OF SESSION

7:45 am — EVALUATION OF THE PREVIOUS DAY

8:00 am — **THEORETICAL SESSION**

Polypectomy

- Technique of upper GI polypectomy
 - Esophagus
 - Stomach
 - Duodenum
- Colonic polypectomy technique
 - Snare polypectomy
 - Cold snare polypectomy
 - Submucosal injection: when and how
 - Techniques to prevent bleeding
 - > Stalk injection
 - > Endoloop
 - > Clipping
 - Piecemeal endoscopic mucosal resection (EMR)
 - Underwater endoscopic mucosal resection (U-EMR)
 - Tattooing: when and how
 - Resection site closure: when and how

1:00 pm — LUNCH AT THE INSTITUTE

2:00 pm — **EXPERIMENTAL LABORATORY**

Hands-on session of polypectomy techniques on ex-vivo models

5:30 pm — END OF THE COURSE
DELIVERY OF CERTIFICATES OF ATTENDANCE