

## Gastrointestinal Motility and Functional Gastrointestinal Disorders

Dysphagia, nausea, vomiting, abdominal pain, constipation, gas and bloating and fecal incontinence are commonly caused by motility and/or sensory disorders and cannot be explained by endoscopic or imaging studies.

Today, disorders of gastrointestinal motility and function such as constipation, irritable bowel syndrome, functional dyspepsia, gastroesophageal reflux disease, and fecal incontinence **affect 40 percent of the population** of the United States. These disorders pose a heavy burden of illness with decreased quality of life and decreased work productivity. Unfortunately, they are often ignored because of a lack of understanding of the disease mechanisms, diagnostic approaches, and appropriate therapy. Appropriate evaluation and diagnosis of these disorders can improve the lives of these patients and decrease health care costs. It is therefore essential that gastroenterology fellows learn how to recognize and treat these common disorders of gastrointestinal motility.

However, there is a **lack of training** in gastrointestinal motility and neurogastroenterology across the United States. Because these disorders represent the most common gastrointestinal problems, an in-depth knowledge of these problems is **a must** for gastroenterology fellows and for their future role as gastroenterologists.

The ANMS Clinical Training Program provides a **unique opportunity for selected gastroenterology fellows** to pursue apprenticeship-based training in gastrointestinal motility and neurogastroenterology at Gastrointestinal Motility Centers of Excellence as recognized by ANMS. This program addresses the unmet clinical need for learning and caring for patients with functional gastrointestinal disorders.

This clinical training program will help gastroenterology fellows to pursue advanced training in gastrointestinal motility and neurogastroenterology. It will further their understanding of gastrointestinal motility dysfunction and the gastrointestinal motility tests that form the basis for effective and appropriate treatment of patients.

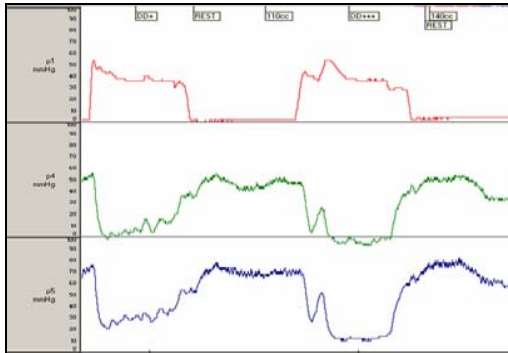
**ACKNOWLEDGEMENT:** ANMS has received unrestricted educational grants from Takeda Pharmaceutical & Sucampo Pharmaceuticals and SmartPill Corporation in support of this program.



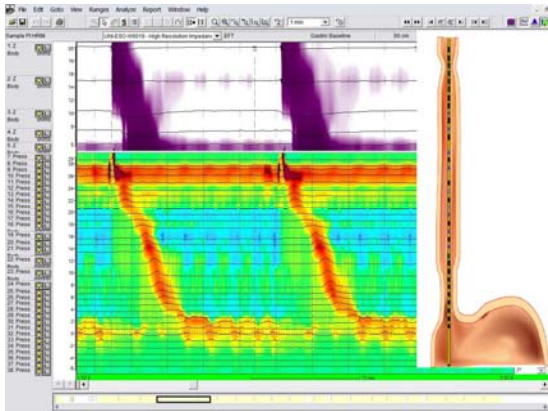
## American Neurogastroenterology and Motility Society

The American Neurogastroenterology and Motility Society (ANMS) is the national gastrointestinal motility organization dedicated to the study, training, and practice of gastrointestinal motility and neurogastroenterology. ANMS represents a broad group of academic and practicing clinicians, scientists, trainees, technicians, and nurses. ANMS seeks to foster excellence in research and medical practice and to promote gastrointestinal motility and neurogastroenterology.

### Anal Manometry



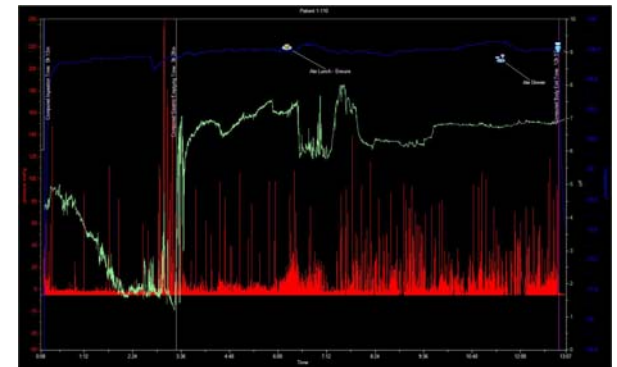
### Esophageal Impedance Manometry



## American Neurogastroenterology and Motility Society

# Clinical Training Program in Gastrointestinal Motility and Neurogastroenterology

### Wireless Capsule Manometry



## Description of the Program

The ANMS Clinical Training Program in Gastrointestinal Motility and Neurogastroenterology is designed to support trainees (gastroenterology fellows) for a one-month teaching program at one of ten Gastrointestinal Motility Centers of Excellence as recognized by ANMS.

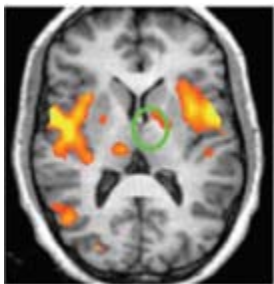
- Cedars-Sinai Medical Center, Los Angeles, CA
- Medical College of Wisconsin (Adult ) and Children's Hospital of Wisconsin (Pediatrics), Milwaukee, WI
- Nationwide Children's Hospital, Columbus, OH (Pediatric)
- Penn State Milton S. Hershey Medical Center, Hershey, PA
- Temple University, Philadelphia, PA
- Texas Tech University Health Sciences Center, El Paso, TX
- University of Iowa, Iowa City, IA
- University of Michigan, Ann Arbor, MI
- University of North Carolina at Chapel Hill, NC
- Wake Forest University School of Medicine, Salem, NC

The candidates selected for this clinical training program will learn the latest technologies and treatment options for gastrointestinal motility disorders under the mentorship of experts in gastrointestinal motility and functional gastrointestinal disorders.

For the 2011–2012 academic year, twenty trainees (gastroenterology fellows) will be selected for a one-month training rotation at one of the ten Gastrointestinal Motility Centers of Excellence as recognized by ANMS. Each participant will receive a stipend of up to \$2000 to help cover travel and lodging expenses.

Trainees will become familiar with the diagnostic testing for gastrointestinal motility disorders and the appropriate management of these disorders. This will be important for their future care of these patients. Furthermore, this program will provide a foundation for the operation of a gastrointestinal motility laboratory.

## fMRI Imaging in IBS

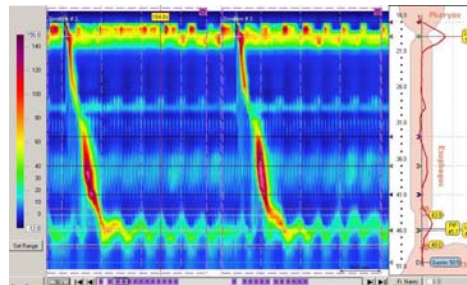


## Learning Objectives and Educational Activities

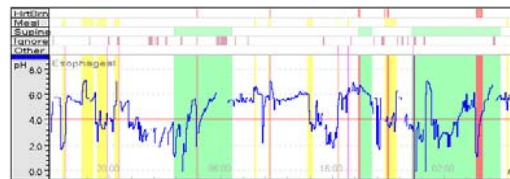
A broad range of educational tools will be used to instruct gastroenterology fellows in the evaluation and care of patients with gastrointestinal motility and functional gastrointestinal disorders.

1. **Observe** gastrointestinal motility procedures and learn how to interpret the clinical tests under faculty mentorship. Participants will learn **how to apply** a wide range of motility tests, including high-resolution esophageal manometry, pH tests, gastric emptying, wireless capsule motility (SmartPill), breath testing, anorectal manometry, and biofeedback therapy.
2. **See patients** who have a variety of different gastrointestinal motility disorders including achalasia, diffuse esophageal spasm, GERD, gastroparesis, functional dyspepsia, chronic intestinal pseudoobstruction, IBS, constipation, and fecal incontinence.
3. Attend didactic lectures covering gastrointestinal motility disorders and gastrointestinal motility tests. The approach to challenging gastrointestinal motility disorders will be discussed, and participants will present case studies.
4. Participants will **receive a syllabus** covering topics in gastrointestinal motility.

## High-Resolution Pressure Topography



## Bravo pH Monitoring



## Who Should Apply?

This program is designed for fellows in adult or pediatric gastroenterology training programs (US and Canada trainees only) who are interested in learning more about gastrointestinal motility and neurogastroenterology or who are considering a career in these areas of medicine.

## How to Apply

Applications are being accepted on a first-come basis for a one-month training program to occur during the period from **January 2011 to December 2012**.

**Applications are available on the ANMS Web site:**  
[www.motilitysociety.org](http://www.motilitysociety.org).

## Submit the following three items:

1. Completed application form must be submitted online
2. Letter of nomination from applicant's Program Director or Chief of Gastroenterology (uploaded at time of application)
3. Curriculum vitae (uploaded at time of application)

*The letter of nomination and curriculum vitae must be uploaded at time of application.*

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