

UNC Program

Course Directors:

William E. Whitehead, PhD

Douglas A. Drossman, MD

Ryan D. Madanick, MD

Program, Faculty & Expertise

The UNC site for the ANMS Clinical Training Program is highlighted by the exposure to a large number of faculty with wide-ranging areas of expertise in motility disorders and functional bowel diseases. Two world-renowned experts in functional bowel disorders, Drs. Drossman and Whitehead, spearhead the Fellow's training. One distinguishing feature of the month-long experience at UNC is the focus on biopsychosocial assessment of the patient with functional GI problems. The fellow will spend a significant portion of time seeing patients with Dr. Drossman in our tertiary care referral clinic, where patients have been referred from around the country. The remainder of the time is devoted to didactic education about motility testing and one-on-one mentoring by the faculty to train the fellow in the interpretation of motility studies. Our motility laboratory is very active, performing 150-200 procedures/month, including esophageal manometry, 24-hr pH and pH-impedance testing, anorectal manometry and biofeedback, and breath testing. Because of the broad exposure and large faculty, our program is particularly suited for a Fellow to tailor the experience to his/her particular areas of interest.

C Dalton, PA	EKG, FGID clinical assessment
DA Drossman, MD	FGID clinical assessment & treatment
S Heymen, PhD	Pelvic floor biofeedback
R Madanick, MD	Esophageal disorders, refractory GERD
D Morgan, MD	Esophageal disorders, dyspepsia
R Orlando, MD	Esophageal physiology
Y Ringel, MD	N&V, CIIP
Y Scarlett, MD	Fecal incontinence & constipation
N Shaheen, MD	Swallowing & esophageal disorders
S Weinland, PhD	Psychological assessment & treatment
WE Whitehead, PhD	Constipation, incontinence, barostat testing

Week 1

1st Monday	1st Tuesday	1st Wednesday	1st Thursday	1st Friday
8:00-8:30 Orientation				
8:30-9:30 Lecture Pathophysiology esophageal disorders	8:00-9:00 Lecture Pathophysiology esophageal disorders	8:00-9:00 Lecture Pathophysiology constipation	8:00-9:00 Conference FGID Case Conference	8:00-9:00 Lecture Pathophysiology of fecal incontinence
9:30-12:00 Manometry Procedures	9:00-12:00 Manometry Procedures	9:00-12:00 Clinical Skills Nausea & Vomiting	9:00-12:00 Clinical Skills FGID Clinic	9:00-12:00 Interpretation Anorectal tests
12:00-1:00 Lecture GERD testing	12:00-1:00 Lecture Psychol assessment	12:00-1:00 Lecture FGID clinical skills	12:00-1:00 Lecture Pelvic floor biofeedback	12:00-1:00 Lecture Breath testing
1:00-4:00 Interpretation GERD/EMS	1:00-4:00 Interpretation GERD/EMS	1:00-5:00 Clinical Skills FGID	1:00-3:00 Procedures Biofeedback	1:00-4:00 Procedures Biofeedback
4:00-5:30 GI Conference			3:00-5:00 Clinical Skills Anorectal Clinic	
			5:00-6:00 GI Research Seminar	

Esophagus
 Gastric/intestinal
 FGID Clinical Skills
 Anorectal
 Pelvic Floor Biofeedback

Week 2

2nd Monday	2nd Tuesday	2nd Wednesday	2nd Thursday	2nd Friday
8:00-8:30 Schedule/ Feedback				
8:30-9:30 Lecture Gastric electrical stimulation	8:00-9:00 Lecture Pathophysiology of dysphagia	8:00-9:00 Lecture N&V, CIIP	8:00-9:00 Conference FGID Case Confer	8:00-9:00 Lecture Pelvic floor tests
9:30-12:00 Manometry Procedures	9:00-12:00 Manometry Procedures	9:00-12:00 Clinical Skills Nausea & Vomiting	9:00-12:00 Clinical Skills FGID	9:00-12:00 Interpretation Gastric elect stimulation
12:00-1:00 Lecture Tests for reflux	12:00-1:00 Lecture Psychological treatment	12:00-1:00 Lecture Scintigraphy, transit studies	12:00-1:00 Lecture	12:00-1:00 Lecture Pediatric motility disorders
1:00-4:00 Interpretation pH, impedance	1:00-4:00 Interpretation Gastric elect stimulation/ EGG	1:00-5:00 Clinical Skills FGID	1:00-3:00 Clinical Skills Anorectal disorders	1:00-4:00 Procedures Biofeedback
			3:00-5:00 Procedures Biofeedback	
	4:00-5:30 GI Conference		5:00-6:00 GI Research Seminar	
6:30-8:00 Biopsychosocial Conference				

Esophagus
 Gastric/intestinal
 FGID Clinical Skills
 Anorectal
 Pelvic Floor Biofeedback

Week 3

3rd Monday	3rd Tuesday	3rd Wednesday	3rd Thursday	3rd Friday
8:00-8:30 Schedule/ Feedback		7:30-8:30 Conference Anorectal Case Conferen		
8:30-9:30 Lecture Capsule endoscopy	8:00-9:00 Lecture Barostat	8:00-9:00 Lecture	8:00-9:00 Conference FGID Case Conference	8:00-9:00 Lecture Pediatric FGIDs
9:30-12:00 Manometry Procedures	9:00-12:00 Procedures Barostat testing	9:00-12:00 Manometry Procedures	9:00-12:00 Clinical Skills: FGID clinic	9:00-12:00 Clinical Skills Gastroparesis clinic
12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch
1:00-5:00 Clinical Skills Esophageal disorders	1:00-4:00 Interpretation Capsule endoscopy	1:00-5:00 Clinical Skills FGID	1:00-3:00 Procedures Biofeedback	1:00-4:00 Procedures Biofeedback
	4:00-5:30 GI Conference		3:00-5:00 Interpretation Anorectal tests	
			5:00-6:00 GI Research Seminar	

Esophagus
 Gastric/intestinal
 FGID Clinical Skills
 Anorectal
 Pelvic Floor Biofeedback

Week 4

4th Monday	4th Tuesday	4th Wednesday	4th Thursday	4th Friday
8:00-8:30 Schedule/ Feedback				
8:30-9:30 Lecture Autonomic testing	8:00-9:00 Lecture Biliary manometry	8:00-9:00 Lecture	8:00-9:00 Conference FGID Case Confer	8:00-9:00 Lecture
9:30-12:00 Procedures Pneumatic dilation/ Botox injection	9:00-12:00 Procedures Swallowing studies	9:00-12:00 Manometry Procedures	9:00-12:00 Clinical Skills FGID clinic	9:00-12:00 Manometry Procedures
12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch	12:00-1:00 Lunch
1:00-5:00 Clinical Skills Esophageal disorders	1:00-4:00 Interpretation Esophageal disorders	1:00-5:00 Clinical Skills Skills: FGID clinic	1:00-3:00 Procedures Biofeedback	1:00-3:00 Program & Trainee Evaluation
			3:00-5:00 Interpretation Anorectal tests	
	4:00-5:30 GI Conference		5:00-6:00 GI Research Conference	

Esophagus
 Gastric/intestinal
 FGID Clinical Skills
 Anorectal
 Pelvic Floor Biofeedback