



The Milwaukee Art Museum. Photo credit Paul Owen Photography LLC

9th INTERNATIONAL SYMPOSIUM ON

FUNCTIONAL GASTROINTESTINAL DISORDERS

APRIL 8–10, 2011

The Pfister Hotel
Milwaukee, Wisconsin

JOINTLY SPONSORED BY



University of Wisconsin
School of Medicine and Public Health
Office of Continuing Professional Development
Madison, WI



International Foundation for
Functional Gastrointestinal Disorders
Milwaukee, WI

9th INTERNATIONAL
SYMPOSIUM ON
FUNCTIONAL
GASTROINTESTINAL
DISORDERS

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STATEMENT OF NEED

Functional gastrointestinal disorders are among the most common conditions seen by primary care and specialty practices. Research is rapidly changing the understanding of the multiple underlying mechanisms in these disorders. Patient management and treatment remains challenging, and there is a lack of effective pharmacologic treatments available.

OBJECTIVES

The sessions will provide participants with opportunities to:

- Apply advances in the pathophysiology of the functional and motility gastrointestinal (GI) disorders
- Apply newer technologies involved with diagnostic assessment of the functional GI disorders
- Develop improved clinical skills in the diagnosis and care of patients with functional GI disorders
- Develop strategies and skills relating to interview technique, communication skills, and patient-centered care in order to improve patient satisfaction, adherence, and clinical outcome
- Network and share information experiences with other symposium participants
- Recognize the influence of genetics, early life, and socio-cultural factors on the clinical expression of functional GI disorders
- Identify the role of neurotransmitters and receptors in the development of clinical symptoms

TARGET AUDIENCE AND SCOPE OF PRACTICE

The 9th International Symposium on Functional Gastrointestinal Disorders has been developed to enhance the knowledge and skills of physicians, psychologists, physician assistants, nurses, and allied health professionals in their care of patients with functional gastrointestinal disorders.

ELEMENTS OF COMPETENCE

This CME activity has been designed to change learner competency and focuses on the American Board of Medical Specialties areas of medical knowledge, patient care, practice based learning and improvement, and interpersonal and communications skills.

FOR FURTHER INFORMATION

For registration information please contact:

Terese Bailey, of Continuing Professional Development in Medicine and Public Health, 2701 International Lane, #208, Madison, Wisconsin 53704; telephone: 608/240-2141. E-mail: tmbailey@ocpd.wisc.edu.

For other inquiries please contact:

Carmen Butschlick, of the International Foundation for Functional Gastrointestinal Disorders (IFFGD), PO Box 170864, Milwaukee, Wisconsin 53217; telephone: 414/964-1799. E-mail: cbutschlick@iffgd.org.

PLANNING COMMITTEE

Douglas A. Drossman, MD (Chair), Professor of Medicine and Psychiatry; Co-Director UNC Center for Functional GI and Motility Disorders, Division of Gastroenterology and Hepatology, University of North Carolina at Chapel Hill, Chapel Hill, NC

Lin Chang, MD, Associate Professor of Medicine, Center of Neurovisceral Sciences and Women's Health, Division of Digestive Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA

William D. Chey, MD, AGAF, FAGC, Professor of Medicine; Director, GI Physiology Laboratory; Director, Michigan Bowel Control Program Division of Gastroenterology, University of Michigan Health System, Ann Arbor, MI

Carlo DiLorenzo, MD, Director, Motility Center, Children's Hospital of Columbus, OH, Professor of Pediatrics, The Ohio State University, Columbus, OH

Margaret M. Heitkemper, RN, PhD, Professor of Nursing and Medicine, Department of Biobehavioral Nursing and Health Systems, University of Washington, Seattle, WA

John E. Kellow, MD, Associate Professor of Medicine, University of Sydney; Director, Gastrointestinal Investigation Unit, Royal North Shore Hospital, Sydney, Australia

Gary Mawe, PhD, Professor of Anatomy and Neurobiology, University of Vermont College of Medicine, Burlington, VT

Emeran A. Mayer, MD, Professor, UCLA Division of Digestive Diseases, Center for Neurobiology of Stress, Los Angeles, CA

Nancy J. Norton, President & Founder, International Foundation for Functional Gastrointestinal Disorders, Milwaukee, WI

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FACULTY

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FACULTY continued

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Paul Hyman, MD, Chief, Children's Hospital at New Orleans, Pediatric Gastroenterology, New Orleans, LA

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Monica Jarrett, RN, PhD, Professor, University of Washington, School of Nursing, Seattle, WA

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Erwin G. Zoetendal, PhD, Assistant Professor, Laboratory of Microbiology, Wageningen University, Wageningen, The Netherlands

Dennis Zolnoun, MD, MPH, Associate Professor; Director, Vulvar Clinic; Director of Research, Division of Advanced Laparoscopy and Pelvic Pain, University of North Carolina at Chapel Hill, Chapel Hill, NC



SCHEDULE • 2011

FRIDAY, APRIL 8

AM

7:00 Registration and Breakfast

8:00 Greetings: *Nancy J. Norton & Stephen P. James, MD*

AM Plenary

Clinical Approach

8:20 Moderator: *Douglas A. Drossman, MD*

8:25 Epidemiology – *Ami D. Sperber, MD, MSPH*

8:45 Pathophysiology of FGID – *John E. Kellow, MD*

9:05 Integrated Approach to FGID – *Douglas A. Drossman, MD*

Q & A

10:15 Refreshment Break

Hot Topics

10:45 Co-Moderators: *Gary Mawe, PhD & Robin Spiller, MD, FRCP*

10:50 Microbiome – *Erwin G. Zoetendal, PhD*

11:20 Neuroplasticity and Neurogenesis
– *Tarique D. Perera, MD*

11:45 The Placebo Effect – *Anthony J. Lembo, MD*

12:10 Moderator Lead Discussion

12:30 Lunch

PM Plenary

Clinical Application # 1

1:45 Moderator: *Stephen J. Vanner, MD, MSc, FRCP*

1:50 Validation of ROME Criteria – *Robin Spiller, MD, FRCP*

2:10 Application of Clinical Algorithms in FGID
– *John E. Kellow, MD*

2:30 Centrally Acting Treatments – *Douglas A. Drossman, MD*

2:50 New and Emerging Treatments of the Gut
– *William D. Chey, MD, AGAF, FACG*

3:10 Q & A

3:30 Refreshment Break

3:45 Application of Physiologic Testing in FGID & Motility Disorders – Upper GI – *Jan Tack, MD, PhD*

4:05 Application of Physiologic Testing in FGID & Motility Disorders – Lower GI – *André J.P.M. Smout, MD, PhD*

4:25 Biofeedback Treatment of Pelvic Floor Disorders: Constipation, Incontinence and Rectal Pain
– *William E. Whitehead, PhD*

4:45 Moderator Lead Discussion

5:15 Adjourn

5:45 Buses depart for the Milwaukee Art Museum

6:00 Museum Reception and Dinner

SATURDAY, APRIL 9

AM

7:00 Breakfast

AM Plenary

Clinical Application # 2

8:00 Moderator: *Lin Chang, MD*

8:05 Maximizing the Physician – Patient Relationship
– *Albena Halpert, MD*

8:25 Food and FGID – *Magnus Simrén, MD, PhD*

8:45 FGID – from Ped. to Adult – *Carlo Di Lorenzo, MD*

9:05 Narcotic Bowel – *Douglas A. Drossman, MD*

9:25 Moderator Lead Discussion

9:40 Refreshment Break

AM Mini Symposia

10:00 – 12:30 (2.5 hours)

S1: Biomarkers – Chair: *John E. Kellow, MD*

- Motility & Transit – *John E. Kellow, MD*
- Visceral Sensitivity – *Jan Tack, MD, PhD*
- Mucosal Inflammation – *Giovanni Barbara, MD*
- Cytokines & Microbiota
- Genetic Polymorphisms – *William Maixner, PhD, DDS*
- Proteomics – *Stephen M. Collins, MD, MBBS*

S2: Challenging Cases at the Referral Centers Chair: *William D. Chey, MD, AGAF, FACG*; *Lin Chang, MD*; *Douglas A. Drossman, MD*; *Satish S.C. Rao, MD*

S3: Treatment of Pediatric FGID

- Co-Chairs: *Jeffrey Hyams, MD & Paul Hyman, MD*
- Infantile Colic – *Ronald Barr, MDCM, FRCP*
- CVS – *B. U.K. Li, MD*
- Functional Dyspepsia – *Jeffrey Hyams, MD*

• FAP – *Miguel Saps, MD*

• Disorders of Defecation – *Samuel Nurko, MD*

S4: Intestinal Permeability & Visceral Hypersensitivity – Chair: *Jackie D. Wood, PhD*

- How Inflammation Alters Gut to Brain Signaling (Anatomy & Pathophysiology of Inflammation and Enteric Nerves) – *Johan D. Söderholm, MD, PhD*
- Pharmacology of Visceral Hypersensitivity: Evidence from Animal Models (PAR2, Neurokinins, TRPV1, Serotonin) – *Lionel Bueno, MD*
- Does Inflammation Alter Gut Brain Signaling in Humans – *G.E.E. Boeckstaens, MD, PhD*
- Brain to Gut Signaling: Role of Mast Cells and Response to Stress – *Jackie D. Wood, PhD*

S5: Overlapping Conditions

Chair: *Bruce Naliboff, PhD*

- Pelvic Pain – *Denniz Zolnoun, MD, MPH*
- Fibromyalgia – *Daniel J. Clauw, MD*
- Psychosocial Co-Morbidities – *Bruce D. Naliboff, PhD*
- Sleep Disturbance – *Margaret M. Heitkemper, PhD, RN*

12:30 Lunch

PM Workshops

(Workshop Coordinators names are bolded)

2:00 – 5:00 WORKSHOP (3 hours)

A1: Interview Techniques and Communication Skills
Douglas A. Drossman, MD; *Christine B. Dalton, PA-C*;
Albena Halpert, MD

2:00 – 3:30 WORKSHOPS (1.5 Hours)

B1: Brain Gut Modulation of GI Symptoms
Kirsten Tillisch, MD; *Giovanni Barbara, MD*;
Lin Chang, MD

B2: Bloating and Distension
Lesley A. Houghton, MD; *Juan Malagelada, MD*;
Peter Whorwell, MD, PhD, FRCP

B3: Serotonin – *Gary Mawe, PhD*

- Introduction to Mucosal Serotonin Signaling in the Gut & an Overview of Changes in Response to Inflammation – *Gary Mawe, PhD*
- Serotonin as a Pro-Inflammatory Molecule and as a Promoter of Neuronal Proliferation and Repair in the Gut – *Michael D. Gershon, MD*
- Altered Serotonin Signaling in FGID – *Robin Spiller, MD, FRCP*

B4: Psychological Assessment: Pearls for the Clinician at the Bedside – *Kevin W. Olden, MD;*
Jeffrey M. Lackner, PsyD; Jane Leserman, PhD

B5: Fecal Incontinence – *William E. Whitehead, PhD;*
Adil E. Bharucha, MD; Frank A. Hamilton MD; Ann C. Lowry, MD, FACS; Jeannette Tries, PhD, OTR

B6: Brain Imaging – *Jennifer Labus, PhD;*
Braden Kuo, MD; Richard Lane, MD, PhD

3:30 Refreshment Break

4:00 – 5:30 WORKSHOPS (1.5 Hours)

- C1:** Basic Principles of Neurophysiology for the Clinician – *Gary Mawe, PhD*
- Basic Neurophysiology of Sensory Signaling from the GI Tract: What We Measure and What It Means – *Beverley Greenwood-Van Meerveld, PhD*
 - Basic Neurophysiology of Enteric Neural Circuits: What We Measure and What It Means – *Jackie D. Wood, PhD*
- C2:** Constipation in a Hospitalized Patient: New Tools, New Objectives – *Satish S.C. Rao, MD;*
Charlene Prather, MD; Arnold Wald, MD
- C3:** Functional Biliary Disorders – *Peter B. Cotton, MD;*
P. Jay Pasricha, MD; Evan L. Fogel, MD
- C4:** Enteric Regulation – *Martin A. Storr, MD, PhD*
- Sensory Signaling from the Colon – *Stephen J. Vanner, MD, MSc, FRCP*
 - Cannabinoid Signaling in the ENS – *Martin A. Storr, MD, PhD*
 - Inflammation-Induced Neuroplasticity – *Fievos Christofi, PhD*

C5: What's New in Esophageal Disorders? – *Ronnie Fass, MD; Glenn Furuta, MD;*
Nicholas Shaheen, MD, MPH

C6: Cognitive-Behavioral Therapy and Self Management Approaches – *Margaret M. Heitkemper, PhD, RN; Monica Jarrett, PhD, RN;*
Jeffrey M. Lackner, PsyD; Laurie Keefer, PhD
Adjourn – *Dinner on your own*

5:30

SUNDAY, APRIL 10

AM

7:00 Breakfast

AM Mini Symposia

8:00 – 10:30 (2.5 hours)

S6: Upper GI Dysfunction

Chair: *Peter J. Kahrilas, MD*

- GERD/NERD – *Ronnie Fass, MD*
- Eosinophilic Esophagitis – *Glenn Furuta, MD*
- Dysphagia – *Peter J. Kahrilas, MD*
- Diabetic Gastroparesis – *P. Jay Pasricha, MD*
- Functional Dyspepsia – *Vincenzo Stanghellini, MD*

S7: Clinical Trial Design – Patient Reported Outcomes

Chair: *Brennan M.R. Spiegel, MD, MSHS*

- PROMIS Project – *Brennan M.R. Spiegel, MD, MSHS*
- Interim Endpoints – *Ruyi He, MD*
- Outcomes in Dyspepsia – *Jan Tack, MD, PhD*
- C-Path – *Charles Baum, MD*
- Outcome Measures: Comparing Different Data – *Jeffrey M. Johnston, MD*

S8: Cross Cultural – Co-Chairs: *Max J. Schmulson, MD & Ami D. Sperber, MD, MSPH*

- Culture and Health and Cross Cultural Competence in Clinical Practice and Research – *Ami D. Sperber, MD, MSPH*
- Current Cross Cultural Studies – *Charles D. Gerson, MD*

Worldwide Reporting: Epidemiology of FGID: Symptom Reporting Tendency, Perceptions/Behavior and Illness in that Region:

- Mexico and Central America – *Max J. Schmulson, MD*
- South America and Brazil – *Carlos F.M. Francisconi, MD*
- Japan and Asia – *Shin Fukudo, MD*
- Eastern Europe – *Dan Dumitrascu, MD*
- Panel Discussion: Clinical Cases Highlighting Issues in Cross Cultural Practice – *Max J. Schmulson, MD & Ami D. Sperber, MD, MSPH*

S9: Microbiota in FGID

Chair: *Magnus Simrén, MD, PhD*

- Does Small Intestinal Bacterial Overgrowth Play a Part in FGID? – *Magnus Simrén, MD, PhD*
- How Do GI Diseases Change Fecal Microbiota (Focus on IBD & IBS) – *Erwin G. Zoetendal, PhD*
- How Do Probiotics Alter Visceral Hypersensitivity? – *Stephen M. Collins, MD, MBBS*
- Clinical Effectiveness of Probiotics in IBS – *Yehuda Ringel, MD*
- Do Antibiotics Have a Role in Treating FGID?

S10: Parent – Child – Physician Interaction

Chair: *Rona L. Levy, MSW, PhD, MPH, FACP;*
Jeffrey Hyams, MD; Miranda A.L. van Tilburg, MD;
Lynn S. Walker, PhD

10:30 Refreshment Break

AM Plenary

10:45 **IBS Global Perspective: A Summary of the ROME – WGO Meeting**

Genetics

- 11:45 Moderator: *Emeran A. Mayer, MD*
- 11:50 Pharmacogenetics & Phenotypes – *William Maixner, PhD, DDS*
- 12:10 Genetics and FGID – *Nicholas J. Talley, MD, PhD*
- 12:30 Genetic Epidemiology – *Yuri A. Saito Loftus, MD*
- 12:50 Moderator Lead Discussion
- 1:10 Closing Remarks – *Nancy J. Norton & Douglas A. Drossman, MD*
- 1:25 Adjourn

[Box lunch to go](#)

GENERAL INFORMATION

- Dates:** April 8 - 10, 2011
Place: The Pfister Hotel
424 E. Wisconsin Avenue
Milwaukee, Wisconsin 53202
Phone: 414/273-8222
Fax: 414/273-5025
Website: www.thepfisterhotel.com

SYMPOSIUM FEE

The symposium fee of \$600 for physicians and psychologists; \$400 for nurses, residents, physician assistants and others includes the cost of tuition, materials, breakfasts, refreshment breaks, lunches, one dinner, and a nonrefundable registration fee of \$50. Should you cancel your registration up to 72 hours prior to the symposium, you will be refunded the entire symposium fee except the \$50 nonrefundable portion. No refunds will be made after that time.

EXHIBITS

The symposium will feature both nonprofit and commercial exhibits. Ample time has been included in the program to allow you to view the exhibits and meet representatives on:

FRIDAY, APRIL 8

7:00–8:00 am; 9:45–10:45 am;
12:15–1:45 pm; 3:10–3:45 pm

SATURDAY, APRIL 9

7:00–8:00 am; 9:30–10:00 am;
12:30–2:00 pm; 3:15pm–4:00 pm

For an Exhibitor Prospectus, please contact Carmen Butschlick at cbutschlick@iffgd.org or 414/964-1799.

HOUSING

A block of rooms has been reserved at The Pfister Hotel, 424 E. Wisconsin Avenue, Milwaukee, WI 53202; telephone: 414/273-8222. The special symposium rates are:

- Single: \$179/night plus tax
- Double: \$199/night plus tax
- Suite: \$254/night (salon)
\$254/night (master) plus tax

The Pfister will release the block of rooms to the general public on **March 13, 2011**. Please contact the Hotel directly and mention the **“9th International Symposium on Functional Gastrointestinal Disorders”** to the hotel staff when making your reservation.

FOUR EASY WAYS TO REGISTER

- ON-LINE:** www.ocpd.wisc.edu/course_catalog
- BY MAIL:** Return your completed registration form and payment.
- BY PHONE:** 608/262-1397. Please call and give your billing information or pay by MasterCard, VISA, or American Express.
- BY FAX:** 1-800/741-7416
(in Madison fax 265-3163).

Download a one page pdf of the registration for faxing or mailing at:

www.ocpd.wisc.edu/course_catalog
www.iffgd.org/symposium

CONFIRMATIONS

All registrations are confirmed in writing. If you do not receive a confirmation, please call 608/262-1397.

CONFERENCE ATTIRE

To ensure your comfort in the conference rooms, please bring a sweater or jacket to accommodate temperature variations.

9TH INTERNATIONAL SYMPOSIUM ON FUNCTIONAL GASTROINTESTINAL DISORDERS

April 8 - 10, 2011

Please Print in BLOCK Letters

STEP 1. Participant Information:

Name _____
First MI Last

Professional Degree (for credit and name badge) MD; DO; PhD; RN; PA

Other, please specify _____

Company Name _____

Dept. Name or Mail Code _____

Work Address _____

City, State, Zip, Country _____

Day Phone _____

FAX _____ E-mail _____

STEP 2. Confirmation:

Work Address (as provided in Step 1) or Home Address

Home Address _____

City, State, Zip, Country _____

Step 3. Registration Fees:

- \$600 MD/DO/PhD Fee
- \$400 RN/Resident/PA/Other(s) Fee

TOTAL FEE REMITTED: _____

____PO or check enclosed (payable to University of Wisconsin)

____Please bill my company

____Credit Card: MasterCard VISA American Express

Cardholder's Name _____

Card Number _____

Expiration Date _____

Step 4. Workshop & Mini Symposium Registration

WORKSHOP & MINI SYMPOSIA REGISTRATION: Please check the sessions you would like to attend. Requests will be honored on a first-come, first-served basis.

SATURDAY, APRIL 9 – AM MINI SYMPOSIA

Please choose one 2.5 hour session.

Mini Symposia: 10:00 am – 12:30 pm (2.5 hours)

- S1. Biomarkers
- S2. Challenging Cases at the Referral Centers
- S3. Treatment of Pediatric FGID
- S4. Intestinal Permeability & Visceral Hypersensitivity
- S5. Overlapping Conditions

SATURDAY, APRIL 9 – PM WORKSHOPS

Please choose one 3 hour workshop - OR - two 1.5 hour workshops.

3 hour workshop: 2:00 pm - 5:00 pm

- A1. Interview Techniques and Communication Skills

1.5 hour workshops: 2:00 pm - 3:30 pm

- B1. Brain Gut Modulation of GI Symptoms
- B2. Bloating and Distension
- B3. Serotonin
- B4. Psychological Assessment: Pearls for the Clinician at the Bedside
- B5. Fecal Incontinence
- B6. Brain Imaging

1.5 hour workshops: 4:00 pm - 5:30 pm

- C1. Basic Principles of Neurophysiology for the Clinician
- C2. Constipation in a Hospitalized Patient: New Tools, New Objectives
- C3. Functional Biliary Disorders
- C4. Enteric Regulation
- C5. What's New in Esophageal Disorders?
- C6. Cognitive-Behavioral Therapy and Self Management Approaches

SUNDAY, APRIL 10 – AM MINI SYMPOSIA

Please choose one 2.5 hour session.

Mini Symposia: 8:00 am - 10:30 am (2.5 hours)

- S6. Upper GI Dysfunction
- S7. Clinical Trial Design / Patient Reported Outcomes
- S8. Cross Cultural
- S9. Microbiota in FGID
- S10. Parent-Child-Physician Interaction

Step 5. Please return your payment with this form to:

CME Specialist, The Pyle Center, Department 101, 702 Langdon Street,
Madison, WI 53706 or Fax 1-800/741-7416 (in Madison Fax 265-3163).

The University of Wisconsin provides equal opportunities in employment and programming, including Title IX requirement.

The University of Wisconsin School of Medicine and Public Health fully complies with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please notify Terese Bailey in order to receive service. Please call: 608/240-2141.

CREDIT

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the University of Wisconsin School of Medicine and Public Health and the International Foundation for Functional Gastrointestinal Disorders. The University of Wisconsin School of Medicine and Public Health is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The University of Wisconsin School of Medicine and Public Health designates this live activity for a maximum of 19.5 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Continuing Education Units

The University of Wisconsin-Madison, as a member of the University Continuing Education Association (UCEA), authorizes this program for 1.95 continuing education units (CEUs) or 19.5 hours.

Policy on Faculty and Sponsor Disclosure

It is the policy of the University of Wisconsin School of Medicine and Public Health that the faculty, authors, planners, and other persons who may influence content of this CME activity disclose all relevant financial relationships with commercial interests in order to allow CME staff to identify and resolve any potential conflicts of interest. Faculty must also disclose any planned discussion of unlabeled/unapproved uses of drugs or devices during their presentation(s). Detailed disclosures will be made in the activity handout materials.

9th INTERNATIONAL SYMPOSIUM ON FUNCTIONAL GASTROINTESTINAL DISORDERS

April 8–10, 2011

The Pfister Hotel
Milwaukee, Wisconsin





9th INTERNATIONAL SYMPOSIUM ON FUNCTIONAL GASTROINTESTINAL DISORDERS

APRIL 8–10, 2011 | Milwaukee, Wisconsin



University of Wisconsin
**SCHOOL OF MEDICINE
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