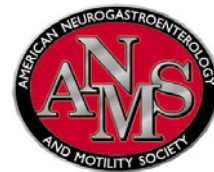




The RECORDER



The American Neurogastroenterology and Motility Society Newsletter-October 2007

Message from our ANMS President: Henry P. Parkman, MD

I recently returned from the 21st International Symposium on Neurogastroenterology and Motility held September 2-5, 2007 in Jeju Island, South Korea organized by Dr. Ki Whan Kim and Dr. Jong Chul Rhee. Now I know the traveling time it takes people from Asia to get to the DDW meeting – it is a major undertaking! The steering committee of the International Group for the Study of Neurogastroenterology and Motility (ISNM) agreed to participating in the annual joint society meetings in Neurogastroenterology and Motility. Each year, one of the societies will host the meeting with input from all the societies. With this structure, our ANMS will be involved in a yearly scientific meeting and hosting this meeting every four years. The future meetings of our society will be held on an annual basis: 2008 hosted by ESNM in Switzerland; 2009 hosted by FBG in Chicago August 26-30, 2009; 2010 hosted by ANMS; 2011 hosted by ISNM in Australia. For the 2010 meeting, our ANMS council is still evaluating possible venues. Let me know if you are interested in helping host this exciting meeting.

Our next ANMS scientific meeting for members will be the 2008 Joint Meeting November 6-9, 2008 in Lucerne Switzerland. Our ANMS representatives, Gianrico Farrugia and Jay Pasricha, helped to plan this meeting with the other societies and groups. The European Society of Neurogastroenterology and Motility (ESNM) is the host sponsor for this second joint society meeting. The abstract deadline is **June 20, 2008**.

The ANMS will be exhibiting at the upcoming American College of Gastroenterology meeting in Philadelphia October 14-17, 2007. If you are attending this meeting, visit our booth, booth #209. Look out for this issue of *Gastroenterology Clinics of North America* that will come out in October. This edition is on Gastrointestinal Motility Disorders with many of the chapters written by ANMS members.

Our next ANMS Clinical Motility Course will be held February 29 to March 2, 2008 in Atlanta, Georgia. This course gives a comprehensive overview of the clinical aspects of GI motility, and is rated extremely positively by attendees. There are dual sessions for physicians as well as for nurses and technicians. This course is useful for those interested in clinical GI motility, those running a GI motility laboratory, as well as the personnel doing the procedures in the GI motility laboratory.

On a final note, I was saddened to hear of the passing of Dr. Ray Clouse. Ray had always been an active member of our society – at the scientific meetings and clinical courses. Two major advances can be traced to Ray's work: 1) Use of psychotropic medications for functional and GI motility disorders; 2) Use of

high resolution esophageal manometry. We will miss Ray –his research, his collegiality, and his impeccable attire.

Upcoming Meetings:

ANMS Clinical Motility Course - February 29 to March 2, 2008.



This will be our fourth Biennial American Neurogastroenterology and Motility Society Course in Gastrointestinal Motility to be held in Atlanta, Georgia. Visit our ANMS web site at www.motilitysociety.org for further information

and to register.

OESO



The OESO is a world organization for specialized studies on Diseases of the Esophagus. The next meeting is April 6-8, 2008 in Monaco. This meeting focuses on esophageal disorders with presentations varied in specialized symposia, topic fora, and a unique aspect of this meeting – presentations of detailed answers to specific questions related to the esophagus. Further information can be obtained at <http://www.oeso.org/>

Digestive Disease Week. May 17-22, 2008. San Diego, Convention Center, San Diego, CA. Abstracts due **Saturday, December 1, 2007**



Fifteenth International Workshop on Electrogastrography (EGG). May 22-23, 2008 in San Diego, CA.

Abstracts due **January 7, 2008**. This meeting brings together physicians and basic scientists who share a common interest in EGG, electrical stimulation of the gut for gastroparesis and obesity, gastric motor dysfunction.

The 2008 Joint International Meeting in Neurogastroenterology and Motility

will be held November 6-9, 2008 in Lucerne Switzerland. ESNM are the host sponsors for this 2nd meeting of the American Neurogastroenterology and Motility Society, Functional Brain-Gut Research

Group, European Society of Neurogastroenterology and Motility, International Group for Neurogastroenterology and Motility.

Abstract deadline is June 20, 2008.



Articles on Neurogastroenterology and Motility

As a service to the ANMS membership, the ANMS council, spearheaded by our secretary, Tony Bauer, will offer an e-blast of publication highlights each month. A list of 6-10 articles with individual summaries pertaining to the field of neurogastroenterology and motility will be chosen to keep our membership abreast with the latest developments in our field. These will be selected from various top tier journals. Both clinical and basic scientific articles will be selected. We hope that this will become a valuable service to our members to keep informed of important articles in neurogastroenterology and GI Motility.

News from the NIH NIDDK

NIH State-of-the-Science Conference:

Prevention of Fecal and Urinary Incontinence in Adults

December 10-12, 2007. For more information and registration for this meeting, go to

<http://consensus.nih.gov/2007/2007IncontinenceSOS030main.htm>

Potential funding opportunities may arise from this meeting!

This State-of-the-Science Conference will assess the available scientific evidence relevant to the following questions:

What are the prevalence, incidence, and natural history of fecal and urinary incontinence in the community and long-term care settings?

What is the burden of illness and impact of fecal and urinary incontinence on the individual and society?

What are the risk factors for fecal and urinary incontinence?

What can be done to prevent fecal and urinary incontinence?

What are the strategies to improve the identification of persons at risk and patients who have fecal and urinary incontinence?

What are the research priorities in reducing the burden of illness in these conditions?

NIDDK points out that ANMS members might consider R21 applications for Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition. See program information NIDDK PA06-301.

The National Commission on Digestive Diseases discussing research advances, goals for research in digestive diseases, and steps to achieve these goals is nearing completion. A draft report of the NCDD will be discussed at the next meeting of the NCDD on November 19, 2007.

News from the International Foundation for Functional Gastrointestinal Disorders (IFFGD)

IFFGD is currently working on many different fronts. We continue our advocacy efforts in Washington D.C. and plan to hold another Hill Day in the spring of 2008. If you are interested in participating in this effort please contact Nancy Norton at (414) 964-1799.

IFFGD and the University of North Carolina at Chapel Hill are currently conducting an online survey, "IBS Patient Survey: Unmet Needs." With in-depth questions about symptoms, quality of life, and attitudes about treatment options, the survey promises to shed new light on the unseen impact of IBS. Patients can find a link to the survey at www.aboutIBS.org.

IFFGD is also working with the Rome Foundation to conduct several focus groups aimed at better understanding the personal impact of irritable bowel syndrome. Douglas Drossman, MD and Lin Chang, MD will moderate small groups of IBS sufferers. The

focus groups will take place in Milwaukee, WI on October 27, 2007. Patients interested in participating should contact IFFGD. Mark your calendars for the 9th annual GERD Awareness Week, November 18–24, 2007. IFFGD will once again provide the print media with educational messages about GERD. At this time, and throughout the year, patients can call our toll-free heartburn helpline (888) 964-2001 for information and support.

We are in the planning stages for the 8th International Symposium on Functional Gastrointestinal Disorders to be held April 17–April 19, 2009.

IFFGD has a library of patient educational materials for distribution to patients. The entire library of over 150 publications is now available online with free access to all IFFGD Professional Members. Visit our Online Learning Center at www.iffgd.org.

Education Committee Chaired by Satish Rao, MD

The American Neurogastroenterology and Motility Society Clinical Training Program for Fellows in Gastrointestinal Motility and Neurogastroenterology is beginning a second term. This program offers one month of training for GI fellows to learn the various GI motility procedures used to evaluate patients at a GI motility center of excellence and will provide a platform for better understanding of GI motility disorders and treatment of patients.

The ten centers participating are:

Cedars-Sinai Medical Center: Jeff Conklin and Mark Pimentel
Medical College of Wisconsin: Benson Massey (Adult),

Manu Sood, Colin Rudolph (Pediatric)

Northwestern University: Peter Kahrilas and Michael Jones

Ohio State University/Columbus Children's Hospital:

Hayat Mousa and Carlo DiLorenzo (Pediatrics)

Temple University: Henry Parkman and Robert Fisher

University of Iowa: Satish Rao and Robert Summers

University of Kansas: Richard McCallum (Adult) and

Paul Hyman (Pediatric)

University of Michigan: Bill Chey and Bill Hasler

University of North Carolina at Chapel Hill: Doug Drossman and

Bill Whitehead

Wake Forest University: John Long and Ken Koch

For further information and application material, visit the ANMS website at www.motilitysociety.org or email the ANMS at admin@motilitysociety.org

Clinical Practice Committee

A Registry of GI Motility Laboratories is posted on our ANMS website (www.motilitysociety.org). The purpose of this registry is to have a listing of GI Motility Laboratories that perform good quality GI motility testing that can be relied on by other physicians. This will help both physicians who want to refer patients as well as patients who might need to find a local laboratory that does this procedure. In the future, this registry may be useful for quality assurance and pay for performance.

Research Committee Chaired by Yvette Taché, PhD

Mentoring Program: The ANMS instituted a Mentoring Program in GI Motility and Neurogastroenterology this past year and have been quite successful in matching mentees with mentors. We held a kick-off breakfast during DDW in Washington, DC. The objective of the program is to help provide guidance and networking to individuals at an early stage of their career who may enter the field of neurogastroenterology and gastrointestinal motility. This program will help young clinicians and scientists in the fields of clinical and basic science related neurogastroenterology and GI motility. This type of experience

for students, fellows, and young scientists can be invaluable and have a tremendous impact in their later success, particularly in light of the difficult funding period we are going through. In this program, mentors will help provide mentees with suggestions, guidance, and assistance. This can be performed through a variety of ways including email, telephone calls, and meetings. Mentors meet with their mentee during the ANMS and AGA meetings. If you are interested in becoming a mentor or mentee, please visit our website at <http://www.motilitysociety.org/> and fill out the appropriate form.

Society for Neuroscience Symposium: ANMS Sponsored Symposium: **A Window into Enteric Neurosciences, Friday, November 2, 2007 – 1:00 pm – 5:30 pm**, Room 16A – San Diego Convention Center, San Diego, CA. To register (no cost) go to: http://motilitysociety.org/registration_form3.php

In order to expose PhD students, MD/PhD students, MDs and postgraduate fellows to the enteric neurosciences field, the American Neurogastroenterology and Motility Society (ANMS) has a new initiative to increase awareness of recent advances in neurogastroenterology and highlight opportunities for neuroscientists considering entering the field. Research areas involving the enteric nervous system (ENS) also named the “Second Brain” or “Little Brain” are rapidly growing and include enteric microcircuits, several cell types such as glia and immune cells that interact with enteric neurons and brain-gut interactions. The first Society for Neuroscience (SFN) satellite event entitled “A Window into Enteric Neurosciences,” sponsored by the ANMS will expose neuroscientists to the field of enteric neurosciences and will cover evolving areas related to signaling in sensory transduction of nutrients, stress-related visceral pain, the role of endocannabinoids in the ENS, and genes involved in the process of ENS differentiation as detailed in the program below: Yvette Taché and Gianrico Farrugia, Presiding
Henry Parkman: *Integration of neurosciences to the field of gastroenterology: Training and career opportunities*
Yvette Taché: *CRF signaling pathways in the central and enteric nervous systems: Implications in the gut response to stress.*

Helen Raybould: *Sensory transduction of nutrients in visceral afferents*

Michelle Southard-Smith: *The development of the enteric nervous system in health and in Hirschsprung disease*

Keith Sharkey: *Endocannabinoids and their receptors in the enteric nervous system.*

ANMS Research Grants: In response to the American Neurogastroenterology and Motility Society call for basic or clinical research applications to conduct studies in the area of “Diabetes and the Gastrointestinal Tract”, 7 basic and 5 clinical applications were received. The research review committee of the ANMS selected three awardees for the 2007 American Motility Society Research Grants on “Diabetes and the Gastrointestinal Tract” sponsored by SmartPill, Inc. and ANMS who are:

Elizabeth Beckett, PhD; *University of Nevada School of Medicine.* Breakdown of Synapses Between Enteric Nerves and ICC-IM Leads to Disrupted Neuroeffector Signaling and Impaired Gastric Motor Function in Type II Diabetes

Siva P. Doma, MD; *Temple University.* Antral and Pyloric Dysfunction in Diabetic Gastroparesis: Effect of Botulinum Toxin in an Enriched Population – An Exploratory Randomized, Double-Blind Study

Shuangsong Hong, PhD; *University of Michigan.* The Role of Vanilloid Receptor 1(VR1) in Diabetic Sensory Neuropathy

ANMS 2008 Research Grants

For 2008, the ANMS invites grant proposals on “*Esophageal Motility and Esophageal Disorders*”. These grants are intended to support work that will generate preliminary data that will lead to extramurally-funded research grants and to promote career development in the area of neurogastroenterology and GI motility. Grants of up to \$35,000 each will be awarded in 2008 for qualified applicants. Grant applications can be for clinical research, basic science research, or translational projects that will make the applicant competitive for subsequent extramural research funding. The deadline for application is on **March 27, 2008**. For further information, please consult the website <http://www.motilitysociety.org/>

ANMS/AGA Workshop on Gastroparesis and Functional Dyspepsia

This symposium, proposed by the ANMS to the AGA, will be a joint symposium by the AGA and ANMS. It is in the planning stage to be held in December 2008. Organized by Gianrico Farrugia and Emeran Mayer. Stay tuned!

The ANMS Journal - Neurogastroenterology and Motility

The Journal's recent Impact Factor has risen to 3.338! This is a major accomplishment, representing a steady increase along with the journal now being published monthly. Our Journal is 12th place in GI/Hepatology journals. This compares to other journals: APT: 3.287; AJP-GI: 3.681; and Neuroscience: 3.421. The impact factor for a journal is calculated based on a three-year period, and can be considered to be the average number of times published papers are cited up to two calendar years after publication (including the calendar year in which it was published).

The journal became profitable last year and there is some financial return to the societies, including ANMS, and this will be used to foster the research goals of the ANMS.

This year, the journal marks an important milestone – the twentieth year of publication. There will be a special edition published. Stay tuned.

Michael Camilleri, our ANMS president-elect, joins Ann Ouyang on the journal's management committee. Joseph Szurszewski is the journal's reviews editor.

Serotonin Supplement in Neurogastroenterology and Motility. A supplement in Neurogastroenterology and Motility was recently distributed on Serotonin and the GI Tract. This resulted from the conference on serotonin at the Boston Joint Society Meeting hosted by ANMS. The contents of this are the following:

Introduction

Galligan, Parkman. Recent advances in understanding the role of serotonin in gastrointestinal motility and functional bowel disorders.

Part 1: Distribution and Function of 5-HT Receptors

Wouters, Toninin, Farrugia, Schemann. 5-HT Receptors on Enteric Neurons, Smooth Muscle, Interstitial Cells of Cajal

Greenwood van Meerveld. Importance of 5-HT Receptors on Intestinal Afferents in the Regulation of Visceral Sensitivity

Gershon. Serotonin and Neuroprotection in Functional Bowel Disorders.

Part 2: Serotonin in GI Motility and Functional Bowel Disorders

Spiller. Alterations in 5-HT Signaling and Metabolism in Human Disease.

Kindt, Tack. Mechanisms of Serotonergic Agents for Treatment of Gastrointestinal Motility and Functional Bowel Disorders

Camilleri. Pharmacogenomics and Serotonin: Research and Clinical Practice Implications

American Neurogastroenterology and Motility Society (ANMS)

A society dedicated to research and the practice of medicine in gastrointestinal motility, the brain-gut axis, and related enteric sciences.

The mission of ANMS is:

- to advance the study of neurogastroenterology, GI motility and related enteric sciences,
- to translate the scientific advances to patient care, and
- to disseminate the knowledge to patients and care-givers in order to improve the diagnosis and treatment of patients with GI motility and functional GI disorders.

Officers of the American Neurogastroenterology and Motility Society (ANMS)

Henry P. Parkman, MD	President	2004-2008
Michael Camilleri, MD	President-Elect	2006-2008
Anthony Bauer, PhD	Secretary	2006-2010
John Wiley, MD	Treasurer	2006-2010
Gianrico Farrugia, MD	Councilor	2004-2008
Yvette Taché, PhD	Councilor	2004-2008
Jay Pasricha, MD	Councilor	2004-2008
James Galligan, PhD	Councilor	2006-2010
Emeran A. Mayer, MD	Councilor	2006-2010
Gary M. Mawe, PhD	Councilor	2006-2010
Satish S. C. Rao, MD	Clinical Practice Committee	
Ann Ouyang, MD	Representative to NGM	
Nancy Norton	Ad hoc councilor	
Chung Owyang, MD	Immediate Past-President	
Robert W. Summers, MD	Past-Past-President	
Joseph H. Szurszewski, PhD	Past-Past-Past President, NGM	
Lori Ennis	Executive Director	

New Council members will be chosen in 2008. If you are interested in serving, please let us know.

ANMS Memberships

Ask your colleagues to join the ANMS. They can easily join on the ANMS website. For the membership fee of only \$125 for Regular membership and \$50 for trainees, you get a \$250 journal subscription to Neurogastroenterology and Motility! In addition society members receive copies of the Recorder, and get reduced registration fees to ANMS meetings. Share this information with your colleagues.

Messages from Patient Support Groups

Availability of Zelnorm (Tegaserod)

The US Food and Drug Administration (FDA) and Novartis Pharmaceuticals have established a restricted access program for Zelnorm (tegaserod) because of requests from physicians and patients following the marketing suspension of Zelnorm in March 2007. This treatment IND is for women in the US under 55 years of age with irritable bowel syndrome with constipation (IBS-C) or chronic idiopathic constipation (CIC), and for whom no other treatment has provided satisfactory relief and/or patients who had satisfactory improvement of their symptoms with prior Zelnorm treatment for IBS-C or CIC. The program protocol and consent materials are designed to ensure that patients and physicians are fully informed of the potential risks and benefits of Zelnorm. For further details of the program's protocol, physicians can call 866-248-1348 or 888-669-6682 or go to www.zelnorm.com. For patients who do not meet the criteria of the treatment IND but have an urgent need for Zelnorm based on a life-threatening or severely debilitating condition, there may be an alternative option available through the FDA. Physicians may inquire about this potential access option by contacting Novartis at (888-NOW-

NOVA) or the FDA CDER Division of Drug Information at 301-827-4570 or www.fda.gov/cder.

Cyclic Vomiting Syndrome Association – Current Activity Outreach for Diagnosis and Care

CVSA Board of Directors set as one of its goals for 2007 to begin a formal process of educating Emergency Room physicians and para-professionals about Cyclic Vomiting Syndrome.

Under the leadership of Dr. Li, the manuscript “The North American Society for Pediatric Gastroenterology, Hepatology and Nutrition Diagnosis and Management of Cyclic Vomiting Syndrome – A Technical Report” has been submitted for publication to the *Journal of Pediatric Gastroenterol & Nutr. Research*

Richard G. Boles, MD, Department of Medical Genetics, Children's Hospital Los Angeles and CVSA will launch a collaborative study very soon. This is retrospective pilot study on the efficacy and tolerability of co-enzyme Q10, L-carnitine and amitriptyline in cyclic vomiting syndrome. There will be a call for participation from you & your patients.

Kathleen Adams, BSN, RN

kadams@mcw.edu, www.cvsaonline.org

Gastroparesis and Dysmotilities Association (GPDA)

Access and awareness remain constant priorities for the Gastroparesis and Dysmotilities Association. Across North America, GPDA continues to hear from worried motility patients regarding their ongoing difficulty in accessing Tegaserod. In Canada, no access program has been established as yet. Access for Canadians to palliative symptom management such as gastric electrical stimulation remains non-existent. Canadian families must travel to the United States and pay out of pocket for physician-prescribed GES.

We are seeing an improvement in awareness of mid-gut motility disorders. GPDA's on-line patient survey gives us a snapshot into the real world of patients' lives. Close to a quarter of our respondents had to consult four or more gastroenterologists before finally being diagnosed with gastroparesis. Such an ordeal represents much anguish as well as expenditure of time and resources, especially considering the degree of disability related to upper digestive symptoms reported by our patients. Nausea remains the number one reported disabling symptom. Sleep interference related to digestive symptoms is reported by 84% of our respondents with 44% of these reporting daily symptoms severe enough to interfere with work, school attendance and activities of daily living.

We have plans to publish a survival handbook for motility patients and clinicians. Tying together nutrition principles, recipes and tips on how to communicate with their specialists, this publication will help to empower our patients.

The 21st International Symposium on Neurogastroenterology and Motility

was held September 2-5, 2007 in Jeju Island, Korea. Below are pictures courtesy of Hiroshi Mashimo, MD.



ISNM2007

