

ROME FOUNDATION REPORTER

Volume 8, Issue 1, Spring 2015

Rome Foundation Newsletter



PRESIDENT'S REPORT

Douglas A. Drossman MDPresident, Rome Foundation

April, 2015

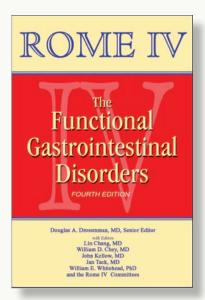
Dear Rome Foundation Members, Friends and Sponsors,

We are only one year away from the launching of Rome IV and I'm excited to give you a preview of this exciting

event. This newsletter will bring you up to date on the Rome IV initiative and many other activities of our organization. Our mission, "To improve the lives of people with functional GI disorders", and our three goals, to: "promote clinical recognition and legitimization of the functional GI disorders", "develop a scientific understanding of their pathophysiological mechanisms" and "optimize clinical management for patients with FGIDs", are the driving force in our activities.

ROME IV

We are entering final year of Rome IV activities, beginning the working teams and support committees provided preliminary data, followed by the Rome IV chapter committees who are compiling their work into printed and online chapters and, later this year, the articles for the special Rome IV 13th issue of Gastroenterology. are most grateful to our more than 120 international experts who are creating the Rome IV educational materials.



Publishing Committee. The publishing committee is headed by Ceciel Rooker, Managing Editor, and consists of Douglas Drossman MD, the senior book editor; Tyler Westall, public relations assistant; and Jerry Schoendorf, graphical design. We are also most pleased to welcome Jackie Mollenauer, our new member to the committee. She has served for the past several months as copyeditor and as a liaison with the Rome IV committees relating to the final production elements of the chapters. Jackie has over 20 years' experience as a scientific data editor, proofreader and copyeditor. The committee is currently working to set up the contract with the publishing house for the printed versions as

well as the online management system for subscriptions when Rome IV is published.

Working Team Committees. Working teams began the Rome IV process in 2009 to address complex issues related to FGIDs where there was limited evidence or consensus. Each team has a chair and a committee of 4 to 6 world experts related to the issue in question. The charge to the committee was to produce an evidence based consensus document in a peer reviewed journal that also contains recommendations for clinical care and future research. The documents have been made available as a resource to the Rome IV chapter committees on our website.

Rome IV Chapter Committee Work. The 16 Rome IV chapter committees were oriented at DDW 2013, followed by an allday symposium where the working team, support committees and Rome IV sponsors presented the scientific data that could be of value in the Rome IV content development. These presentations are available online to committee members and Rome IV sponsors. Over the last two years the committees have been responsible for creating the book chapters and online versions through several iterations. Then, in December, 2014, the meeting in Rome was held where the committees worked intensively to compile their documents, introduce the numerous graphic images for the online version and develop recommendations for future research. In addition the criteria committees (i.e., esophagus, gastroduodenal, bowel, and others) began work on updating the Multi-Dimensional Clinical Profile (MDCP) and creating diagnostic algorithms to be created later this year. For a view of the meetings in Rome, go to our website www.theromefoundation.org/romeiv pub/.

How will Rome IV be available? By 2016 we believe that nearly all educational information will be accessed via computer and we have moved in that direction. Online versions of Rome IV will provide more opportunities for interested parties since they may purchase unlimited access (which will be freely available to Rome IV sponsors and members), download individual chapters or even do text searching for specific information. In addition we will be incorporating cross-links to other chapters and have considerably more graphic material by updating our Rome III computer-based learning program slides and our clinical algorithms. We will also publish a supply of printed books including special editions for pediatrics and for primary care as well as the Rome IV questionnaires. We also are planning for several translations

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President's Report

continued from page 1

of the Rome IV book to be available within one year of the English publication.

Rome IV Intelligent Software for MDCP. We are beginning an exciting project in collaboration with LogicNets, a software development company, and in consultation with Chaitanya Pabbati MD, to create an intelligent decision engine that will allow us to bring clinical decision making relating to MDCP treatment into reality. We anticipate that in the next two years we will have a platform for clinicians to place their clinical scenarios into a portal that will lead to self-learning and guidance on treatment via the Rome criteria, algorithms and MDCP.

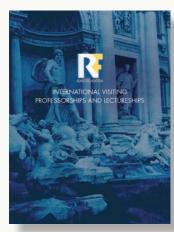
Benefits of Rome IV Sponsorship. In addition to Rome Foundation sponsorship, Rome IV sponsorship affords additional benefits because sponsors are supporting the Rome IV initiative in addition to other foundation activities. Rome IV sponsors attend special fora where updates of Rome IV activities are presented at annual meetings by the Editorial Board relating to the content of the upcoming Rome IV chapters. Rome IV sponsors have already had the opportunity to access and review the penultimate Rome IV chapters in order to provide feedback of a scientific nature at this time. Other benefits include: a summary of all meta-analyses provided by the systematic review committee, free password protected online access to Rome IV book content, additional hard copies of the Rome IV book, special acknowledgment on all Rome IV products as a sponsor, and deeper discounts on bulk orders for Rome IV. These benefits are in addition to those provided to regular Rome Foundation sponsors. Rome sponsorship includes licensing of questionnaires at no charge, early access to the completed Rome IV documents prior to publication, attendance at Advisory Council meetings, discounts on bulk orders of products, invitations to Rome receptions, discounts at Rome conferences, and being registered for all newsletters and additional updates.

ROME UPDATE FROM DDW

In 2011 we began an educational initiative to highlight the most important abstracts on Functional GI and Motility Disorders presented at annual meetings. For 2014 we combined abstracts presented at DDW and ACG, and this program is available online: www.focusmeded.com/special_event/rome/2014/cme/. Board members reviewed and prioritized the highest quality posters and oral presentations at the meeting. With this information the Foundation, along with the GI Health Foundation, produced a CME webcast: "The Rome Update from DDW" where the important abstracts were presented using a news media format. We plan to continue this educational program for DDW 2015 and plan to also incorporate abstracts from UEGW.

International Visiting Professorships and Lectureships. This new program, chaired by Drs. William Chey and Jan Tack, seeks to fill a gap need in providing a program for international scholars to visit medical centers and community educational programs to teach functional GI and motility disorders. Although the FGIDs are the most common GI disorders seen by gastroenterologists and primary care physicians, medical school curricula and post graduate training in these areas are inadequate to keep up with advancing knowledge in the diagnosis and treatment of FGIDs. Furthermore, newer guidelines make it difficult for pharmaceutical companies to sponsor such programs directly. As a non-profit academic

with organization high credibility in the field, the Rome Foundation is in the best position to develop a curriculum for learners that includes the most up to date knowledge in diagnosis and treatment. Therefore we have initiated an international program utilizing two formats: 1) visiting professorship which will allow for top tier investigators to spend several days at academic



medical centers to go on rounds and attend case conferences with faculty and trainees in addition to grand rounds and other presentations, and 2) a visiting lectureship which is usually a one day visit to a medical center or large clinical practice to give grand rounds and attend round table discussions. Applications are received by the requesting institution, and the selection committee (consisting of the cochairs and Drs. Magnus Simrén and Doug Drossman) matches the requests for topics and speakers with our pool of over 100 international experts. The program is underway and will continue for at least two years. We are most grateful to our sponsors: Actavis, AstraZeneca, Ironwood, Prometheus, and Takeda for their generous support of this new initiative.

We expect to continue the many projects we have begun and hope to introduce new initiatives over time to accomplish our mission. Also, please remember to visit our website at www.theromefoundation.org where you will find updates on all our activities.

D. AT

Douglas A. Drossman MD President, Rome Foundation

ROME FOUNDATION BOARD OF DIRECTORS



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Our mission is: "To improve the lives of people with Functional GI Disorders."

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AGA RESEARCH FOUNDATION - ROME FOUNDATION FUNCTIONAL GI AND MOTILITY DISORDERS RESEARCH AWARD RECIPIENTS - 2015







Madhusudan Grover MBBS Assistant Professor of Medicine Mayo Clinic, Rochester, Minnesota

Madhu Grover, MBBS, studies mechanisms

involved in the pathophysiology of irritable bowel syndrome (IBS), with a specific focus on the role of intestinal mucosal barrier function. Dr. Grover is particularly interested in studying the role of host and pathogen factors in the development of IBS and

other functional gastrointestinal disorders following infectious gastroenteritis. Dr. Grover conducts research studies on patients with these disorders using a variety of complementary *in vivo* and *ex vivo* techniques. Dr. Grover is also developing and conducting clinical trials of newer therapeutic options for patients with IBS, functional dyspepsia and gastroparesis.

ABSTRACT:

Title: Barrier function alterations in post-infectious irritable bowel syndrome

Background: Irritable bowel syndrome (IBS) affects 15% of the U.S. population accounting for an estimated \$20 billion in health care costs annually. Four to thirty-six percent (4-36%) of those suffering from infectious enteritis may develop post-infectious IBS (PI-IBS). Campylobacter jejuni is a leading cause of bacterial enteritis in the U.S. and a reportable illness to public health departments. Our preliminary data suggeststhat PI-IBS is common (22%) following C. jejuni enteritis and colonic mucosal barrier function in vivo and ex vivo is impaired in PI-IBS. Additionally, C. jejuni strains that lead to PI-IBS are genetically different from the control strains and cause greater disruption of in vitro barrier function. My overall hypothesis is that C. jejuni leads to PI-IBS by causing strain-dependent alteration in barrier function involving myosin light chain phosphorylation. I will test this hypothesis in two specific aims. I will identify laboratory-confirmed C. jejuni enteritis cases through a collaboration with the Minnesota Department of Health.

Aim: In aim 1, I will assess the structure and function of the colonic epithelial barrier in acute C. jejuni enteritis patients and follow these patients at 6 months to ascertain PI-IBS development. I expect to show that the degree of barrier disruption during acute enteritis predicts development of PI-IBS. In aim 2, I will study differences in the presence of virulence genes among PI-IBS and control C. jejuni strains and study their effects on in vitro barrier function, especially delineating the role of myosin light chain phosphorylation in this process. I expect to show that C. jejuni strains that led to PI-IBS express specific virulence genes and cause greater disruption of in vitro barrier function. This proposal will uniquely allow studying the mechanisms for PI-IBS development following confirmed C. jejuni infection in samples derived from the U.S. communities using integrative in vivo and ex vivo techniques with the aim of identifying "high-risk" enteritis cases for PI-IBS development and developing strategies for future interventions to prevent or treat PI-IBS.



FUNCTIONAL GI AND MOTILITY DISORDERS RESEARCH AWARD RECIPIENTS - 2015



Miranda van Tilburg PhD
Associate Professor of Medicine
University of North Carolina at Chapel Hill

Dr. Miranda van Tilburg is an Associate Professor of Medicine in the Division of

Gastroenterology and Hepatology. She received her Master's degree in Economic Psychology and her PhD in Health Psychology at Tilburg University in The Netherlands. Subsequently, she completed a three-year postdoctoral fellowship in Endocrinology and Medical Psychology at Duke University Medical Center. In 2002, Dr. van Tilburg joined the UNC Center for Functional GI & Motility Disorders. Dr. van Tilburg conducts pediatric research but does not treat patients in the GI clinic.

ABSTRACT:

Title: Validation of the pediatric Rome IV criteria

Background: Studies have shown that about 1 in 4 children suffers from a functional gastrointestinal disorder (FGID), making this one of the most common disorders encountered in pediatric gastroenterology clinics. Establishment of symptom-based criteria for pediatrics by the Rome committee considerably advanced the diagnosis and study of children who suffer from FGIDs. The Rome III criteria are in the process of being updated to be responsive to the new

information and data collected on pediatric FGIDs. These new Rome IV criteria will include several changes to existing disorders as well as include new diagnoses, and are therefore in need of validation.

Aim: The current study aims to test and validate the pediatric Rome IV criteria. This includes both the criteria in infants and toddlers and the criteria in children and adolescents.



Associates of Rome

The Associates of Rome program has grown to well over 1200 members in 76 countries since its inception in 2010. Members are enjoying benefits such as:

- Discounts on Rome products
- Quarterly newsletters
- Conference registration discounts
- Certificate of Association
- Rome pin
- Printed copy of "Diagnostic Algorithms for Common Gastrointestinal Symptoms"

New Associates Benefit!

All Associates of Rome are eligible to download individual slides from the Computer-Based Learning Program (CBLP) for FREE from our website.

New Opportunity for Associates - Plans are underway for a global survey of FGIDs following the publication of Rome IV. It will be headed by Dr. Ami Sperber together with an international executive committee that has been planning the study for the last 3 years. Countries interested in learning more about possible participation should contact mpickard@theromefoundation.org with the following information: country, institute, name of senior researcher who will be involved, CV (pdf) and funding possibilities (cost per country will be about \$25,000).

Please contact mpickard@theromefoundation.org for more information on both opportunities.

ROME FOUNDATION RESEARCH PROGRAM



Ray E. Clouse, MD

RAY CLOUSE PRIZE FOR THE BEST RESEARCH PUBLICATION ON FGIDS AND MOTILITY DISORDERS, 2015

The Rome Foundation established an award in memory of Ray E. Clouse, MD a gastroenterologist and scholar at Washington University School of Medicine and a devoted member of the Rome Foundation. Ray's academic career spanned 27 years of research, teachings and writings that has left an indelible mark in the field of functional GI and motility disorders and of gastroenterology in general.



Annette Fritscher-Ravens MD, PhD University Hospital Schleswig-Holstein Kiel, Germany

Title: "Confocal endomicrosopy shows food-associated changes in the intestinal mucosa of patients with irritable bowel syndrome."

Gastroenterology 2014; 147:1012-1020.



Ken Heaton, MD

KEN HEATON AWARD FOR THE PAPER MOST CITED ON FGIDS AND MOTILITY DISORDERS, 2015 (FOR THE CALENDAR YEAR 2013)

The Rome Foundation established an award for the most cited paper in memory of Ken Heaton MD, former Consultant Physician at the Bristol Royal Infirmary and Reader in Medicine at the University of Bristol.



Jessica Biesiekierski, PhD

Translational Research in Gastrointestinal Disorders Leuven, Belgium

Title: "No effects of gluten in patients with self-reported nonceliac gluten sensitivity after dietary reduction of fermentable, poorly-absorbed, short-chain carbohydrates." Gastroenterology 2013; 145:320-328.



INTERNATIONAL LIAISON COMMITTEE

THE INTERNATIONAL LIAISON COMMITTEE IS PLEASED TO ANNOUNCE ITS NEWEST MEMBER — UDAY GHOSHAL MD, DNB, DM, FACG, RFF (INDIA).

Uday C Ghoshal MD, DNB, DM, FACG, RFF, is Professor in the Department of Gastroenterology, faculty-in-charge of the Gastrointestinal Pathophysiology

and Motility Laboratory, and Adjunct Professor of the Centre for Biomedical Research, SGPGI Campus, Lucknow, India. He has published 216 papers. Dr. Goshal is a member of the Rome Foundation's Asian Working Team, the Foundation's Working Team on Multinational, Cross-Cultural Research, as well as the Foundation's Intestinal Microenvironment and FGIDs Committee. He is a Fellow of the Rome Foundation and Co-Chair of its Research Committee. Dr. Ghoshal is a Fellow of the American College of Gastroenterology and a member of the Indian Society of Gastroenterology (Governing Council Member twice), Indian National Association of Study of the Liver (Governing Council Member), Society of Gastrointestinal Endoscopy of India (Governing Council Member) and Association of Physicians of India. He is a founding member and the Secretary General of the Asian Neurogastroenterology and Motility Association and Honorary Secretary of the Indian Motility and Functional Bowel Disease Association. Dr. Ghoshal is Nodal Officer for the Eastern Regional Resource Centre for the National Medical College Telemedicine Network Project of the Government of India. He was Associate Editor of Indian Journal of Gastroenterology (Luminal) and is currently an Associate Editor of the Journal of Neurogastroenterology and Motility. He is a member of the Editorial Board of the Journal of Gastroenterology and Hepatology, the World Journal of Gastroenterology, and the

American Journal of Robotic Surgery and has been peer reviewer to 27 international and 8 national journals. He is on the Advisory Board of Nature Reviews Gastroenterology & Hepatology. Dr. Ghoshal is the National Coordinator of the Indian Society of Gastroenterology Task Force on IBS. He is also the Chair of the Epidemiology and Infection section of the Asian IBS Consensus and Asian Dyspepsia Consensus teams and a member of the Asian Barrett's Consortium. He has received 33 awards and oration including 8 university gold medals during his MBBS study. He was a visiting clinician to the Mayo Clinic, Scottsdale, Arizona, USA, and to the Hamad Medical Corporation, Doha, Qatar, and a WHO Fellow in Prince of Songkla University, Hat Yai, Thailand.

The International Liaison Committee was formed to expand our activities globally and serves to:

- 1. Increase our visibility in specific global regions
- Establish a liaison with regional neurogastroenterology societies
- 3. Help us develop educational initiatives
- 4. Be a conduit for Rome Committee Membership.

Selected members have distinguished themselves in their research and educational efforts that promote the field of FGIDs in addition to having demonstrated support for the Foundation's activities. Committee members include: Dan Dumitrascu MD, PhD (chair), Enrico Corazziari MD (Italy), Carlos Francisconi MD (Brazil), Meiyun Ke MD (China), Max Schmulson MD (Mexico), Ami Sperber MD (Israel), Shin Fukudo MD, PhD (Japan), and Carolina Olano MD (Uruguay).

ROME COPYRIGHT AND LICENSING

The Rome Foundation owns the copyright for the following instruments. Please contact Michele Pickard (mpickard@theromefoundation.org) for more information about licensing and available translations.

- Rome III book (Rome III: The Functional Gastrointestinal Disorders, Third Edition, Degnon Associates, Inc., 2006) earlier editions, Spanish, Chinese and Japanese translations
- Rome III Diagnostic Questionnaires (Rome III Diagnostic Questionnaire for the Adult Functional GI Disorders, including individual modules and scoring algorithm; Rome III Diagnostic Questionnaire for the Pediatric Functional GI Disorders; Rome III Psychosocial Alarm Questionnaire for the Functional GI Disorders)
- Computer-Based Learning Program for the Functional GI Disorders, including individual modules
- Understanding the Irritable Gut (Thompson WG, 2008)
- Clinical Diagnostic Algorithm program, including individual modules or algorithms

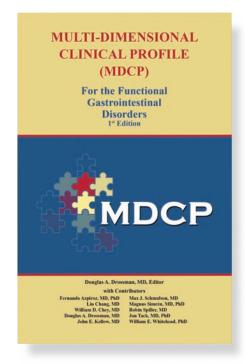
- Bristol Stool Form Scale (BSFS)
- Celiac Disease Quality of Life survey (CD-QOL)
- Functional Bowel Disorders Severity Index (FBDSI)
- Irritable Bowel Syndrome Quality of Life survey (IBS-QOL)
- Irritable Bowel Syndrome Symptom Severity Scale (IBS-SSS)
- Rating Form of Inflammatory Bowel Disease Patient Concerns (RFIPC)
- Comorbid Medical Conditions Questionnaire (CMCQ)
- Satisfaction with Care Scale (SAT-37)
- Trauma Questionnaire
- Ulcerative Colitis and Crohn's Disease Health Status Scales (UC-CD)

MULTI-DIMENSIONAL CLINICAL PROFILE (MDCP): FOR THE FUNCTIONAL GASTROINTESTINAL DISORDERS

The MDCP is a unique learning tool for students, practitioners in gastroenterology and primary care, health care extenders, or anyone who treats patients with FGIDs. After completion of these case exercises, the reader will be well prepared to address the full spectrum of treatment options available to help our patients.

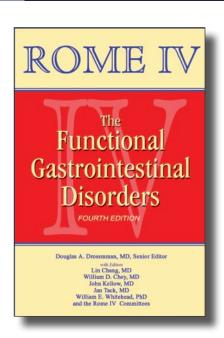
A challenging area of gastroenterology and medicine relates to the management of patients with functional GI disorders (FGIDs). Diagnosis is accomplished using the symptom based Rome criteria. However with treatment, we must also rely on patient reports of symptom response. The FGIDs are truly biopsychosocial disorders because these symptoms are influenced by several factors (diagnostic criteria and clinical modifiers, the impact of the illness, and psychosocial and physiological influences) that in concert characterize the unique profile of the patient's clinical status. This profile determines the specific methods of treatment, from a patient with infrequent and mild IBS-D to one with IBS-C having severe pain, emotional distress and physiological disturbance.

We have gathered the world's leading experts to create an intuitive learning model that incorporates how good clinicians approach treatment of these disorders. The key factors are organized into a simple and logical 5-component framework. Using this information, we provide a treatment plan uniquely targeted to the patient. This is demonstrated with over 30 clinical cases that cover the full spectrum of the FGIDs, from mild to severe.



To purchase the MDCP book and/or slide set, visit the Rome website.

ROME IV - UPDATE



The Rome IV process is on schedule and the book is set to be published in Spring 2016, fully 10 years after the Rome III version. We anticipate having all of the following available at that time:

- Rome IV online version with monthly, yearly, and forever subscriptions available for purchase
- Rome IV printed book, 2-volume set
 - Volume 1: 9 non-diagnostic chapters
 - Volume 2: 8 diagnostic and 4 non-diagnostic chapters
- Pocket guides:
 - Criteria and Questionnaires
 - Algorithms
- Multi-Dimensional Clinical Profile, 2nd Edition (Rome IV version)
- Pediatric book
- Primary care book
- iPad and tablet applications (criteria, algorithms, MDCP)

For more information and to view a video about the Rome IV Conference 2014, please go to our website, www.theromefoundation.org/romeiv_pub/.



ROME BRAIN IMAGING COMMITTEE

Brain Imaging Approaches to the Study of Functional GI Disorders: A Rome Working Team Report Emeran Mayer MD, Chair; Qasim Aziz PhD, Co-Chair; and members J. Douglas Bremner MD, Mark Kern PhD, Braden Kuo MD, Richard Lane MD, PhD, Bruce Naliboff PhD, and Irene Tracy PhD, published in Neurogastroenterol Motil 2009;21:579-596.

A new brain imaging Working Team Committee (Mayer E, Aziz Q et al.) is currently finalizing an update to these guidelines and will provide more information on the translational research and clinical application of brain imaging. It is scheduled to be published later in 2015.

ROME FOUNDATION COMMITTEE ON OUTCOMES/ ENDPOINTS

Psychometric Evaluation of Endpoints in IBS Randomized Controlled Trials: A Rome Foundation Working Group Report Michael Camilleri MD, Chair; Brennan Spiegel MD MSHS; Viola Andresen MD; William Chey MD; Hashem el-Serag MD, MPH; Sheri Fehnel PhD; Allen Mangel MD PhD; Emeran Mayer MD; Nicholas Talley MD, PhD; and William Whitehead PhD, published in Gastroenterology 2009;137:1944-1953.

ROME SEVERITY COMMITTEE

Severity in Irritable Bowel Syndrome: A Rome Working Team Report Doug Drossman MD, Chair; Lin Chang MD, Co-Chair; Nicholas Bellamy MD; Hugo E. Gallo-Torres MD, PhD; Tony Lembo MD; Fermín Mearin MD; Nancy Norton BS; Brennan Spiegel MD, MSHS; and Peter Whorwell MD PhD, published in Am J Gastro 2011;106:1749-1759.

THE ROLE OF THE INTESTINAL MICROBIOTA IN FUNCTIONAL GASTROINTESTINAL DISORDERS

The Role of Intestinal Microbiota in Functional GI Disorders Magnus Simrén MD, Chair; Giovanni Barbara PhD, Co-Chair; Peter Whorwell MD, PhD; Robin Spiller MD; Stephen Vanner MD; Elena Verdu MD, PhD; and Erwin Zöetendal PhD, published in *Gut* 2013;62:159-176.

THE ROLE OF FOOD IN FUNCTIONAL GASTROINTESTINAL DISORDERS

Rome Foundation Working Team on the Relationship between Food and Functional GI Disorders William D. Chey MD (USA), Co-Chair; Jan Tack MD, PhD (Belgium), Co-Chair; Fernando Azpiroz MD, PhD (Spain); Sheila Crowe MD (USA); Peter Gibson MD (Australia); Shanti Eswaran MD (USA); and Sue Shepherd PhD (Australia). This committee has completed its systematic assessment of the interaction between food/nutrients and FGID symptom pathogenesis and treatment. The committee has produced six articles and a summary article that cover the range of knowledge in this area: general physiology, carbohydrates, fiber, proteins, and lipids. Published in a special edition of the American Journal of Gastroenterology: Am J Gastro 2013;108:694-697.

ASIAN WORKING TEAM FOR FUNCTIONAL GASTROINTESTINAL DISORDERS

Asian Working Team for Functional GI Disorders Kok Ann Gwee MD, PhD (Singapore), Chair; William E. Whitehead PhD (USA), Co-Chair; Xiaohua Hou MD, PhD (China); Minhu Chen MD, PhD (China); Hiroto Miwa MD, PhD (Japan); Uday C. Ghoshal MD (India); Young-Tae Bak MD (South Korea); Sutep Gonlachanvit MD (Thailand); Andrew Seng Boon Chua MD (Malaysia); and Ching-Liang Lu MD (Taiwan). This committee has conducted an Asian multinational survey to obtain data that will help in the development of the Rome IV criteria. It has published one article:

Development, translation and validation of enhanced Asian Rome III questionnaires for diagnosis of functional bowel diseases in major Asian languages: a Rome Foundation-Asian neurogastroenterology and motility association working team report. Ghoshal UC; Gwee KA; Chen M; Gong XR; Pratap N; Hou X; Syam AF; Abdullah M; Bak YT; Choi MG; Gonlachanvit S; Chua AS; Chong KM, Siah KT, Lu CL, Xiong L, Whitehead WE. Neurogastroenterol Motil 2015;21:83-92.

ROME PRIMARY CARE COMMITTEE

Systematic review: the perceptions, diagnosis and management of irritable bowel syndrome in primary care—a Rome Foundation working team report. Hungin AP (UK); Molloy-Bland M (UK); Claes R (UK); Heidelbaugh J (US); Cayley WE (US); Muris J (Netherlands); Seifert B (CzechR); Rubin G (UK); de Wit N (Netherlands). This is a review of the clinical behaviors of primary care physicians with regard to IBS, published in Aliment Pharmacol Ther 2014;40:1133-1145.

ROME FOUNDATION WORKING TEAM ON MULTI-NATIONAL, CROSS-CULTURAL RESEARCH IN FGIDS

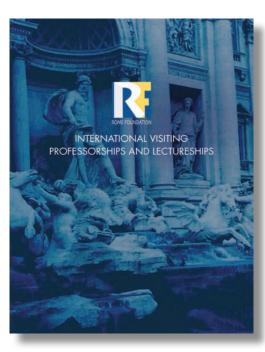
Ami Sperber MD (Israel) Chair; Pali Hungin MD (UK); Uday Ghoshal MD (India); Kok Ann Gwee MD, PhD (Singapore); Enrico Corazziari MD (Italy); Shin Fukudo MD, PhD (Japan); Charles Gerson MD (USA); Brennan Spiegel MD (USA); Lynn Walker PhD (USA); and Max Schmulson MD (Mexico). This committee has worked for several years to formulate recommendations and guidelines for FGID research from a cross-cultural perspective. The official report, available on the Rome website, is of benefit to researchers, clinicians and regulatory agencies. It has provided a basis for the work of the Rome IV chapter on Multi-cultural Aspects. The committee has published two articles related to this work and will also be submitting a systematic review of the field shortly:

Conducting multinational, cross-cultural research in the functional gastrointestinal disorders: issues and recommendations: a Rome Foundation working team report. Sperber AD; Gwee KA; Hungin AP; Corazziari E; Fukudo S; Gerson C; Kang J; Levy R; Schmulson M; Dumitrascu D; Gerson M; Chen M; Myung S; Quigley EM; Whorwhell PJ; Zarzar K; Whitehead WE. Aliment Pharmacol Ther 2014; 40:1094-1102.

A four-country comparison of healthcare systems, implementation of diagnostic criteria, and treatment availability for functional gastrointestinal disorders: a report of the Rome Foundation working team on cross-cultural, multinational research. Schmulson M; Corazziari E; Ghoshal UC; Gerson CB; Quigley EM; Gwee KA; Sperber AD. One of two papers resulting from the Multinational Working team's efforts. Neurogastroenterol Motil 2014;26:1368-85.

ROME FOUNDATION INTERNATIONAL PROGRAM FOR VISITING PROFESSORSHIPS AND LECTURESHIPS

The Rome Foundation's visiting professorship (usually 2-3 days) and lectureship (1-2 days) program was created to improve knowledge on functional GI disorders. Speakers are internationally recognized in their areas of expertise, and selection is based on matching selected topics with the speakers. Where there is interest in hearing the latest on functional GI and motility disorders, we invite all medical centers, academic programs, community hospital programs and "gut clubs" to apply.



Addressing Critical Needs in Functional GI and Motility Disorders (FGIDs)

- Over the last 10-15 years, the FGIDs have become a major research area within gastroenterology due to technological advances and growing knowledge related to mucosal immune dysfunction, bacterial flora, braingut interactions and newer treatments.
- The FGIDs are the most common GI disorders seen by gastroenterologists and primary care physicians, yet medical school curricula and post graduate training are unable to keep up with advancing knowledge in their diagnosis and treatment.
- Educators possessing the knowledge needed to teach the research and clinical care are limited to a small number of clinical experts who are concentrated at major medical centers.
- The numbers of visiting professorships are diminishing due to increasingly rigorous guidelines that limit industry from supporting such activities. As a result current educational programs may be restricted to local or regional speakers who may not be as up to date on newer content areas.

RATIONALE

- As an academic organization that develops educational materials (e.g., Rome III book, slide sets, research questionnaires, video training, workshops) for the FGIDs, the Rome Foundation is in an ideal position to take responsibility for programs to teach clinicians and trainees.
- The members of the Rome Foundation are selected for their expert knowledge and are the key opinion leaders in research and clinical care of the FGIDs.
- Because the Rome Foundation members develop the research agenda and the clinical guidelines for these disorders, they are highly capable of developing a curriculum for learners that includes the most up to date knowledge as well as current and soon to be developed recommendations for patient care.
- As an international non-profit academic organization with high credibility in the field, Rome Foundation sponsored visiting professorships fill the gap in knowledge of functional GI disorders in the academic and practice community.
- The proposed multi-sponsored programs are not subject to the restrictions on content imposed upon promotional talks. As such, these programs provide a true state of the art update by the world's leading experts on FGIDs.
- Due to its international structure, the Rome Foundation provides visiting professorships and other educational programs on a global level.



PROPOSAL

We will develop a series of visiting professorships and lectures following two models:

THE ROME FOUNDATION VISITING PROFESSORSHIP

Top tier investigators and clinicians within the Foundation visit an academic medical center for a period of 1-3 days to provide a variety of activities: a) medical and/or gastroenterology grand gounds, b) clinical case conferences with trainees, c)individual advisory meetings with young aspiring faculty and trainees seeking to develop a career in the FGIDs, d) workshops or other more intense training programs in their area of expertise if requested. The Foundation advertises and then solicits applications from medical centers. We then identify the best speaker who meets that institution's specific educational needs.

THE ROME FOUNDATION VISITING LECTURESHIP

This is usually a 1-day visit either to an academic program or large clinical practice program, gut club or community oriented educational venue. The speaker might give a grand rounds to an academic program, a round table or a lecture to a community educational venue or gut club. It may be possible to link presentations (e.g., a GI grand rounds in daytime and community gut club in evening) over a 24 hour period.

To learn more about this program and to apply for a Visiting Professorship at your institution, please visit the Rome website

www.theromefoundation.org/education/visiting lectureship2014.cfm

Our Heartfelt Thanks to Robin C. Spiller MB, BChir, MSc, MD, FRCP

Rome Foundation Board Member - 2000 - 2014



The Rome Foundation Board of Directors would like to acknowledge Robin Spiller MD, as he retires from 15 years of service to the Board and for his contribution to the overall mission of the Foundation. Professor Spiller served on many committees including:

Rome III

- Rome III book Associate Editor
- Clinical Algorithms bowel disorders committee member
- Functional Bowel Disorders chapter committee member

Working Team

 The Role of the Intestinal Microbiota in Functional Gastrointestinal Disorders

Rome IV

- Functional Bowel Disorders chapter committee member
- Multi-Dimensional Clinical Profile support committee member
- Questionnaire Development and Validation support committee member

Most important, Professor Spiller is recognized for his vast knowledge, insight, creativity and humor which helped our organization grow to where it is today.

ROME FOUNDATION SYMPOSIUM

ESNM NeuroGASTRO 2015

June 4 – 6, 2015

Istanbul, Turkey

Overlap Disorders: Functional, Organic or What? Chairs: Douglas Drossman, Enrico Corazziari

Overlap disorders: a biopsychosocial view Douglas Drossman

IBS-IBD overlap Magnus Simrén

IBS and gluten sensitivity separate entities? William Chey

*Is it IBS or diverticular disease?*Jan Tack



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DUBAI SYMPOSIUM

The Rome Foundation held a 1½ day program in Dubai in the fall of 2014, organized by the Emirates Gastroenterology & Hepatology Society (EGHS) and sponsored by Janssen. The symposium, entitled Functional bowel disorders: definitions, pathophysiological concepts and management algorithms: a Rome Foundation symposium with lectures and case-based interactive discussions, marked the first time that Rome Foundation information on the functional GI disorders was presented in the Middle East. The first day was divided into four sections; 1) About the Rome Foundation Rome the Rome Criteria; 2) IBS-D; 3) Anorectal dysfunction; and 4) Spectrum of constipation: IBS-C and CC and Progress in management of IBS-C and CC. The Second day consisted of real-life case interactions using the Multi-Dimensional Clinical Profile as a guide. The speakers for this event representing the Rome Foundation were Douglas A Drossman MD, Jan Tack MD PhD, Bill Chey MD and Nick Talley MD PhD. Asa'd Izziddin Dajani MD (UAE) and Fuad Hasan Alali MD (Kuwait) were also speakers at this event. Over 100 physicians were in attendance, representing 14 countries in the Middle East.

OBJECTIVES:

- To establish the concept of functional gastrointestinal diseases and how ROME is considered the lead in this era.
- To increase the understanding of symptoms and mechanisms in functional bowel disorders.
- To clarify current management algorithms for functional bowel disorders
- To understand the benefits and limitations of current therapeutic options for functional bowel disorders

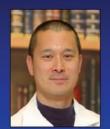
The AGA Institute – Rome Foundation Lectureship at Digestive Disease Week 2015

"Clinical Practice and Research for FGIDs in the Technology Era"



Ryan Madanick MD University of North Carolina

Clinical practice in a social media environment



William D. Chey MD University of Michigan

Use of health information technology in clinical practice



Patrick Furey ConsumerSphere

How health information technology on the internet can be used in clinical research



Sunday, May 17, 2015: 8:00am – 9:30am
Walter E. Washington Convention Center – Rome 144ABC
Washington, D.C.



The Rome Foundation encourages you to visit our exhibit booths at conferences around the world

- Now available Prepayment form to order Rome IV book and online subscription
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- Products for sale (at a discount)
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 - Computer-Based Learning Program
 - Understanding the Irritable Gut
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OFFICIAL EXHIBITOR

May 16-19, 2015 | Washington, DC Exhibit Dates: May 17-19, 2015

LOOK FOR US IN THE EXHIBIT HALL - BOOTH #3043

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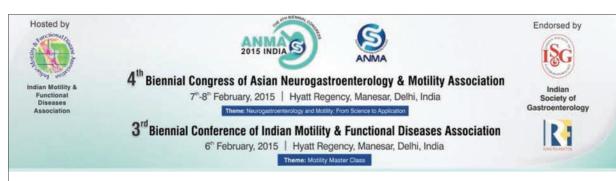
ROME — ANMA SYMPOSIUM

New Delhi, India February 6-8, 2015

The Rome Foundation was pleased to conduct a symposium at the 4th Biennial Congress of the Asian Neurogastroenterology & Motility Association and 3rd Biennial Conference of the Indian Motility & Functional Diseases Association in Delhi, India in January 2015. This program marked the first time the Rome Foundation presented in India, and we look forward to future collaborations.

The Rome ANMA Symposium topics:

- Rome Foundation: its mission, organization and activities with Dr. Douglas Drossman
- The Rome process for development of diagnostic criteria and management algorithms in FGIDs: an overview with Dr. William E. Whitehead
- Global issues in FGIDs: How do regional epidemiological differences affect diagnosis and management? with Dr. Ami Sperber
- Rome IV system on Multi-Dimensional Clinical Profile (MDCP) in FGIDs: How will it benefit patient management in the future? with Dr. Douglas Drossman



- 4th Biennial Congress of the Asian Neurogastroenterology & Motility Association in conjunction with the third biennial Congress of the Indian Motility & Function Diseases Association was held in New Delhi, India from 6th to 8th February 2015 (www.anmaindia.in)
- 34 international and 40 national faculty members participated
- 250 delegates, 50% of whom were from outside India
- About 139 original abstracts were presented
- The Congress was endorsed by the Rome Foundation
- There was a Rome-ANMA symposium

FAREWELL TO DIANNE BACH AND MICHAEL STOLAR

AGA Institute





In 2008 the Rome Foundation partnered with AGA and the Israeli GI Society for the first time to provide a symposium on FGIDs in Israel. This was coordinated by Dianne Bach in collaboration with the Foundation and was the beginning of a remarkable partnership.

Since then this partnership between the two organizations has flourished, much in part to the dedication of Dianne Bach and Michael Stolar. Over the past 7 years, the AGA Institute and the Rome Foundation have collaborated on many exciting programs such as the annual Rome Foundation - AGA Institute lectureship at DDW, the Rome Foundation - AGA Institute Communication Skills Workshop: Improving the Physician Patient Relationship with Patients Having Functional GI Disorders (FGIDs), held in 2012 and the Rome Foundation - AGA Research Foundation Functional GI and Motility Disorders Pilot Research Awards. In addition Dianne and Michael have helped to promote and co-market the Rome III books through AGA.

Michael and Dianne have continually been advocates for the functional GI disorders and have worked closely with the Rome Foundation president Douglas Drossman over the years to assist in providing state of the art educational and research opportunities for this field. The strong partnership between the AGA and the Rome Foundation would not exist today without their gallant efforts.

Effective May 31, 2015, Michael and Dianne retire from AGA. The Rome Foundation will miss each of them and will cherish all friendships that have been made during this time. We wish all the best for them as they start the next chapter of their lives.

We are pleased to provide some of the articles that have been published over the last year that highlight the Rome Criteria.

- 1: Wang X, Luscombe GM, Boyd C, Kellow J, Abraham S. Functional gastrointestinal disorders in eating disorder patients: altered distribution and predictors using ROME III compared to ROME II criteria. World J Gastroenterol. 2014 Nov 21;20(43):16293-9. doi: 10.3748/wjg.v20.i43.16293. PubMed PMID: 25473186; PubMed Central PMCID: PMC4239520.
- 2: Ozgürsoy Uran BN, Vardar R, Karadakovan A, Bor S. The Turkish version of the Rome III criteria for IBS is valid and reliable. Turk J Gastroenterol. 2014 Aug;25(4):386-92. doi: 10.5152/tjg.2014.4774. PubMed PMID: 25254520.
- 3: Xiong LS, Shi Q, Gong XR, Cui Y, Chen MH. The spectra, symptom profiles and overlap of Rome III functional gastrointestinal disorders in a tertiary center in South China. J Dig Dis. 2014 Oct;15(10):538-44. doi: 10.1111/1751-2980.12178. PubMed PMID: 25102919.
- 4: Fang YJ, Liou JM, Chen CC, Lee JY, Hsu YC, Chen MJ, Tseng PH, Chen CC, Chang CY, Yang TH, Chang WH, Wu JY, Wang HP, Luo JC, Lin JT, Shun CT, Wu MS; for the Taiwan Gastrointestinal Disease and Helicobacter Consortium. Distinct aetiopathogenesis in subgroups of functional dyspepsia according to the Rome III criteria. Gut. 2014 Nov 18. pii: gutjnl-2014-308114. doi: 10.1136/

- gutjnl-2014-308114. [Epub ahead of print] PubMed PMID: 25406127.
- 5: Min BH, Huh KC, Jung HK, Yoon YH, Choi KD, Song KH, Keum B, Kim JW; Functional Dyspepsia Study Group of Korean Society of Neurogastroenterology and Motility. Prevalence of uninvestigated dyspepsia and gastroesophageal reflux disease in Korea: a population-based study using the Rome III criteria. Dig Dis Sci. 2014 Nov;59(11):2721-9. doi: 10.1007/s10620-014-3243-y. Epub 2014 Jun 13. PubMed PMID: 24925147.
- 6: Saps M, Nichols-Vinueza DX, Mintjens S, Pusatcioglu CK, Velasco-Benítez CA. Construct validity of the pediatric Rome III criteria. J Pediatr Gastroenterol Nutr. 2014 Nov;59(5):577-81. doi: 10.1097/MPG.00000000000000482. PubMed PMID: 25003373.
- 7: Schmulson M, Corazziari E, Ghoshal UC, Myung SJ, Gerson CD, Quigley EM, Gwee KA, Sperber AD. A four-country comparison of healthcare systems, implementation of diagnostic criteria, and treatment availability for functional gastrointestinal disorders: a report of the Rome Foundation Working Team on cross-cultural, multinational research. Neurogastroenterol Motil. 2014 Oct;26(10):1368-85. doi: 10.1111/nmo.12402. Epub 2014 Aug 4. PubMed PMID: 25087451.





- IN MEMORIAM -Lionel Buéno 1945 - 2015

Lionel Buéno was born July 9, 1945, in Angers, France. He graduated in biochemistry in 1969 from the National Institute of Applied Sciences (INSA) in Lyon, and the following year he was appointed to a permanent position as young researcher in the French National Institute of Agronomic Research (INRA). Lionel then moved to Toulouse, following his mentor Yves Ruckebush who headed the Physiology Department of the Veterinary School of Toulouse. Very rapidly he created his own group, Digestive Pathophysiology, in this department. This was the beginning of a brilliant career in the field of gastroenterology. In 1982, he left the Veterinary School to head the Pharmacology and Toxicology INRA Unit. He managed this Unit with an exemplary scientific efficiency up to 1996. In 1999 he participated in the creation of a new group called Neuro-Gastroenterology and Nutrition INRA, located at the same site. Lionel's group had a major impact on the International stage as indicated by the quantity and quality of his scientific publications. Lionel also excelled as a mentor, training a number of GI scientists who have pursued highly visible academic and industrial careers.

He retired from administrative and scientific supervision in 2010 but he continued his activity as a professor emeritus until his sudden passing on Saturday evening, January 24, 2015.

His research outputs in neurogastroenterology have been widely recognized by the international scientific community but also the national community of gastroenterologists. To give just a few examples: Lionel was the first researcher in basic sciences to be elected as President of the French Gastroenterology Society in 2004. Two years later, he received an international award from the American Gastroenterology Association for Sustained Achievement in the Digestive Sciences.

Dr. Buéno was a strong supporter of the Rome Foundation and served as co-chair of the pharmacology and pharmacokinetics committees of Rome III and Rome IV.

Lionel is dearly missed as a mentor and colleague. The Rome Foundation community is proud to pay tribute to his legacy.



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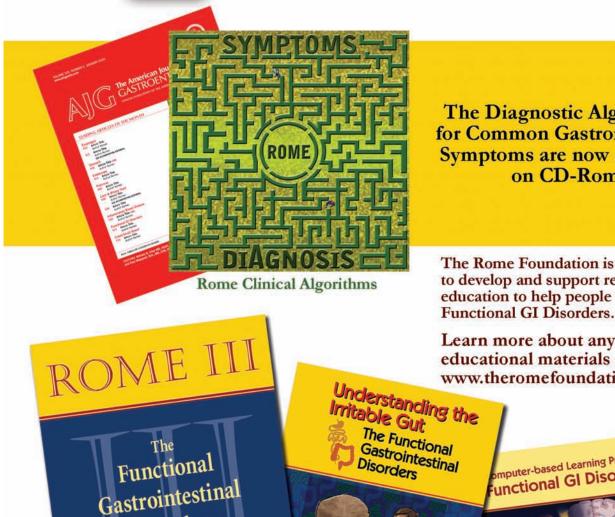
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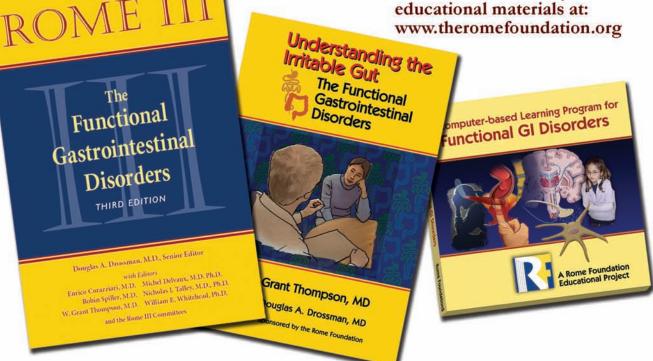
the latest educational resources for all health care professionals and patients concerned with functional gastrointestinal disorders (FGIDs)



The Diagnostic Algorithms for Common Gastrointestinal Symptoms are now available on CD-Rom

The Rome Foundation is committed to develop and support research and education to help people with

Learn more about any of our



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UPDATE FROM THE INTERNATIONAL FOUNDATION FOR FUNCTIONAL GASTROINTESTINAL DISORDERS (IFFGD)

SPRING 2015



By Jill Godsey

IFFGD, the International Foundation for Functional Gastrointestinal Disorders, is dedicated to continuing its service to the digestive health community. Whether through promoting research, providing educational tools, or advocating to improve patient care, our goal is to increase positive outcomes for those affected by functional GI and motility disorders.

RESEARCH

We are currently conducting an **online survey of people reporting a diagnosis of gastroparesis**. We plan to publish the findings later this year and hope to shed more light on the experiences of people affected by this challenging disorder and on ways to help improve their daily lives. A link to the confidential online survey can be found on our website, **www.iffgd.org**.

We are also currently supporting an **online survey of people diagnosed with IBS** in an effort to help better understand doctor-patient relationships in IBS and identify the factors that make for good relationships. The survey is being conducted by the University of Michigan and the Drossman Center for Education and Practice of Biopsychosocial Care, in cooperation with IFFGD. More information and a link to the survey can be found on our website at **www.aboutibs.org**.

EDUCATION

In 2014 we launched our first mobile app, *IBS Info*, a free resource for people looking for information about IBS and chronic idiopathic constipation. The information covers areas such as commonly asked questions, symptoms, diagnoses, treatments, and talking to a doctor. *IBS Info* is available for iOS and Android systems and can be an

easy resource to give to patients who are looking for information about IBS and CIC.

AWARENESS AND ADVOCACY

We continue to advocate for support of *The Functional GI* and *Motility Disorders Research Enhancement Act* and look forward to the reintroduction of this landmark bill in the 114th Congress. After its reintroduction, digestive health advocates can ask their members of Congress to cosponsor the bill. You can stay informed about this and learn when you can take action with your own Congressional Representative by signing up for **our free eNewsletter** at **www.iffgd.org**.

On May 11, 2015, we will be participating in a public meeting being conducted by the U.S. Food and Drug Administration (FDA) as part of its **Patient-Focused Drug Development** program. The goal of this meeting is to obtain patient input on the impact of functional GI disorders such as IBS, gastroparesis, difficult to treat GERD, and chronic idiopathic constipation on daily life and to gather patients' views on currently available therapies to treat these disorders. This meeting will take place at the FDA campus in Silver Spring, Maryland, from 1:00 pm to 5:00 pm EST. Individuals can also participate remotely via a live meeting webcast or make comments through the FDA public docket. You can find a link to the meeting details on our website, **www.iffgd.org**.

We invite you to stop by our booth at **DDW**. We look forward to continuing our work and appreciate all that you do to support patients and families affected by functional GI and motility disorders. Thank you for your dedicated efforts.

ABOUT THE ROME FOUNDATION

The Rome Foundation is an independent not for profit 501(c) 3 organization that provides support for activities designed to create scientific data and educational information to assist in the diagnosis and treatment of functional gastrointestinal disorders (FGIDs). Our mission is to improve the lives of people with functional GI disorders.

Over the last 20 years, the Rome organization has sought to legitimize and update our knowledge of the FGIDs. This has been accomplished by bringing together scientists and clinicians from around the world to classify and critically appraise the science of gastrointestinal function and dysfunction. This knowledge permits clinical scientists to make recommendations for diagnosis and treatment that can be applied in research and clinical practice.

The Rome Foundation is committed to the continuous development, legitimization and preservation of the field of FGIDs through science-based activities. We are inclusive and collaborative, patient-centered, innovative and open to new ideas.

The goals of the Rome Foundation are to:

- Promote clinical recognition and legitimization of the functional GI disorders
- Develop a scientific understanding of their pathophysiological mechanisms
- Optimize clinical management for patients with FGIDs



ROME FOUNDATION ADMINISTRATION

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Public Relations

Ceciel Rooker, Director Tyler Westall, Assistant Chapel Hill, NC

Administrators

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Website/Newsletter Design

Ceara Owre Chapel Hill, NC

Executive Assistant

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