



PRESIDENT'S REPORT

Douglas A. Drossman, MD
President, Rome Foundation
Senior Editor, Rome III Book

I'm pleased to take this opportunity, since our Spring Newsletter, to send you an update on Rome Foundation activities. The year has been productive and this is evident as highlighted in this newsletter by our continued growth in many sectors.

With regard to our educational activities, and with thanks to Dr. Lin Chang's efforts, we are pleased to have at our 4th Rome Foundation AGA Institute Lectureship at DDW two speakers addressing the concept of neuroplasticity and neurogenesis in the brain and gut. The speakers are well recognized for their scientific contribution in these areas: Dr. Tariq Perrera is a neuroscientist who has looked at the role of hippocampal function in depression and this may have implications for painful GI disorders. Dr. Michael Gershon has done some novel work looking at the role of 5HT in reducing apoptosis and increasing dendritic sprouting in myenteric neurons. This concept may also be important in understanding FGID and motility disorders. The symposium will be held on Sunday, May 8 from 10:30 AM until noon at DDW 2011 in Chicago.

We have instituted some new initiatives to thank those individuals who have participated in Rome Foundation activities. To acknowledge the participants on Rome Foundation committees, including the Rome III project, we have sent certificates that identify this effort. In addition, those of you interested in increasing your association with Foundation activities may enroll as an Associate of Rome. Associates will be placed on our mailing list to receive periodic newsletters, and will also be eligible for discounts on all Rome Foundation sponsored conferences and educational materials. In addition, the home office will send you offprints of the diagnostic algorithms, a Rome pin and certificate. Please check on our website (www.theromefoundation.org) to join.

The Rome Foundation Diagnostic Algorithms for Common Gastrointestinal Symptoms was published in the April 2010 issue of the *American Journal of Gastroenterology*. The issue covers 15 common GI symptom presentations along with evidence based testing strategies that lead to a diagnosis of a structural or functional GI disorder. To help disseminate this information we are also providing at no charge the ability to download the algorithms from our website (beginning in October 2010), and will have available free copies of the CD's and hard copy offprints at our booths and online. Due to the generosity of our industry sponsors, these materials are being provided as a service.

A major area of growth this year has been our international activities. Due to the remarkable efforts of the International Liaison Committee (Max Schmulson, MD (Mexico, chair), Enrico Corazzari, MD (Italy), Dan Dumitrascu, MD (Romania), Carlos Francisconi, MD (Brazil),

Shin Fukudo, MD, PhD (Japan), and Ami Sperber, MD (Israel)), several activities are underway to disseminate knowledge of the FGIDs at symposia and to provide other learning opportunities. Our Rome Algorithms are being translated into Spanish and will be published in the Mexican Journal of Gastroenterology. Thanks to the expertise in cross-cultural translation methodology, Dr. Ami Sperber has begun a process of translating the Rome III criteria into various languages. We currently have the Rome III book in Chinese, Japanese and Spanish. The Rome III criteria have been translated into Portuguese and Spanish, and we are beginning the process to translate into German, Italian and French. Finally, please remember to attend our Rome Foundation – World Gastroenterology Organization conference (*IBS - A Global Perspective*) in Milwaukee on April 6-7, 2011, just before the International FGID meetings sponsored by IFFGD. The program containing dozens of experts in the area of cultural health issues is being coordinated by Drs. Ami Sperber (Israel – Rome Foundation) and Eamonn Quigley (Ireland – WGO). Visit our website at www.theromefoundation.org for further information and registration information.

We continue to provide new knowledge to the field through our research efforts. Under Dr. Bill Whitehead's direction we again offer research awards that will be announced at DDW 2011. Please see our website to apply for this award (www.theromefoundation.org). Currently we have two active Working Teams, multi-national committees that help establish evidence based consensus of knowledge in scientific areas and guidelines for future research. Drs. Magnus Simren (chair, Sweden) and Giovanni Barbara (co-chair, Italy) are well underway with their committee that is charged to enhance our understanding of gut microflora and its implications for the pathophysiology and treatment of FGIDs. In addition, along with Dr. Lin Chang and a committee of 7 members, we have submitted our manuscript to assess the role of severity assessment in IBS. Both of these documents when published in peer review journals will also make recommendations for future studies that are needed to increase our knowledge in these respective areas.

On an unfortunate note, two symposia were scheduled to be held during the Pan American Congress in Guayaquil, Ecuador earlier this month. However, due to an unstable political situation in the city, and in the interest of safety for our staff and team members, we decided to cancel these events. We support the Congress and its organizers and wish them well for the future.

Finally, please be sure to visit Ms. Ceciel Rooker and Ms. Jamie DuMont at our booth at UEGW in Barcelona. They will be glad to provide you any additional information and materials at your request. We are very grateful for your efforts in supporting our activities and helping to keep the field of FGIDs alive and well.



ROME FOUNDATION EDUCATIONAL PROGRAM

LIN CHANG, MD

CHAIR, EDUCATION COMMITTEE

EDUCATIONAL PROGRAMS

There are several exciting Rome-sponsored educational programs which include:

Physiology Algorithms project - Drs. John Kellow and Henry Parkman co-chaired a committee which developed diagnostic algorithms for clinical practice which are based on integrating the diagnostic and management strategies for evaluating GI symptoms using symptom-based Rome III criteria for functional gastrointestinal disorders and physiologic testing. Fifteen algorithms were developed for Esophageal Disorders (4), Gastroduodenal Disorders (2), Gallbladder and Sphincter of Oddi Disorders (2), Functional Abdominal Pain Syndrome (1), Bowel Disorders (3), and Anorectal Disorders (3). These algorithms have been recently published in the special FGID thematic April 2010 issue of the American Journal of Gastroenterology, are currently available for download at our website, and will be distributed as CDs at the ACG meeting in October and at UEGW. The Rome Foundation is currently exploring educational programs focused on these diagnostic algorithms to help facilitate their use in clinical practice. The Spanish translation of these algorithms will be published next month in the Mexican Journal of Gastroenterology and other translations are to be developed.

Rome Foundation Computer Based Learning Program – This currently available comprehensive educational teaching slide set is based on Rome III knowledge and additional information since the Rome III book was published in 2006. The Rome Foundation members with expertise in each of the six topic areas developed these slide sets and learning program. The topics are: 1) Basic Science/Physiology/ Pharmacokinetics, 2) Psychosocial/Quality of Life, 3) Brain Imaging, 4) Epidemiology, 5) Diagnosis and Criteria, 6) Pediatric, and 7) Management and Design of Treatment Trials. The Rome Foundation is now working in collaboration with the American Gastroenterological Association (AGA) to provide this learning program to clinicians and academic institutions.

Patient-Provider Relationship Educational Tools – The Rome Foundation recently formed the Patient-Provider Working Team with the objective to develop ways to improve the patient-provider relationship which is integral to the successful management in FGIDs. The Rome Foundation will be working with the AGA to develop and distribute tools for clinicians and trainees.

MEETINGS AND LECTURESHIP

Rome Foundation-AGA Institute Lectureship - The fourth Rome Foundation-AGA Institute lectureship will take place at next year's Digestive Disease week in May 2011. Drs. Tarique Perera and Michael Gershon will be giving complementary lectures at our symposium entitled, "The Role of Neurogenesis in Brain and Gut and its Implications for Functional GI and Motility Disorders." Dr. Perera is an Assistant Professor in Clinical Psychiatry at Columbia University who is studying the role of neuroplasticity in the pathophysiology of major depression and the role of neurogenesis in the therapeutic mechanisms of antidepressants. The title of his lecture is "The Role of Neurogenesis in the Brain." Dr. Gershon is a Professor and Chairman of the Department of Pathology and Cell Biology. He is an internationally renowned expert in signaling molecules in the function and development of the enteric nervous system, which he named "the second brain." Much of his work on the enteric nervous system is on its relevance to functional gastrointestinal disorders (FGID). He will be lecturing on "The Role of Neurogenesis in the Enteric Nervous System."

UEGW Rome Symposium – The Rome Foundation is sponsoring a symposium "How I manage a patient with a difficult case of....." at UEGW in Barcelona this year. It will be held on Monday, October 25 at 5:30 PM in Room 131 at the Congress Center. The topics and speakers include:

Severe Abdominal Pain and Psychological Distress

Douglas A. Drossman MD, Chapel Hill, USA

Recurrent Vomiting

Mark Fox MD, PhD, Zurich, Switzerland

Atypical chest pain

Arjana Bredenoord, MD, PhD, Amsterdam Medical Centre, Netherlands

XXXII Pan-American Congress of Digestive Diseases – A Rome symposium was planned for this meeting in October 2010. The topics included FGIDs in Latin America, pediatric FGIDs, gender differences in FGIDs, and a multidisciplinary approach on FGIDs. However, a coup attempt against the President of Ecuador occurred on the first day of the conference. The airport was closed for one day and flights were cancelled. Due to the political unrest, many of the speakers could not attend the meeting. Fortunately, some of the Rome speakers who were able to attend the meeting gave some of the FGIDs lectures.

IBS – The Global Perspective: Prevalence, Pathophysiology, Presentation and Management – In collaboration with the World Gastroenterology Organization (WGO), the Rome Foundation is organizing a 1½ day symposium on cross-cultural issues in IBS. This meeting will take place on April 6-7, 2011 in Milwaukee prior to the International Foundation of Functional Gastrointestinal Disorders (IFFGD) symposium. The objective of this symposium is to foster greater awareness of IBS, and update existing knowledge about the similarities and differences at a global level. The organizing committee is being chaired by Dr. Ami Sperber and includes members of Rome, WGO and IFFGD. Speakers will include national and international experts and representatives from regulatory agencies. So far we are fortunate to have received sponsorship for this symposium from Ironwood, Procter & Gamble, Takeda and Zeria Pharmaceuticals.

ASSOCIATES OF ROME

The Rome Foundation Board recently approved the creation of the Associates of Rome, a non-voting membership program established with the primary goal of further raising awareness of functional gastrointestinal disorders (FGIDs). Membership is open to anyone who would like to learn more about FGIDs, as well as about The Rome Foundation, and its activities and involvement in supporting valuable research. Benefits include a discount on Rome products and conferences, the bi-annual printed newsletter and quarterly e-newsletter, a Rome pin, and a certificate of association. For further information, please visit the Rome website at www.theromefoundation.org.



ROME FOUNDATION BOARD OF DIRECTORS

Douglas A. Drossman, MD
President
Chapel Hill, NC USA

Fernando Azpiroz, MD, PhD
Barcelona, Spain

Lin Chang, MD
Los Angeles, CA USA

William D. Chey, MD
Ann Arbor, MI, USA

Enrico Corazziari, MD
Rome, Italy

John Kellow, MD, FRACP
New South Wales, Australia

Robin Spiller, MD, MSC
Nottingham, England

Jan Tack, MD, PhD, PhD
Leuven, Belgium

Nicholas J. Talley, MD, PhD
Newcastle, NSW, Australia

William E. Whitehead, PhD
Chapel Hill, NC, USA

OUR MISSION IS:

**"TO IMPROVE THE LIVES OF PEOPLE WITH
FUNCTIONAL GI DISORDERS."**

ROME FOUNDATION ADMINISTRATION

Executive Director and Publisher
George K. Degnon, CAE
McLean, VA, USA

Assistant to Mr. Degnon
Kathy Haynes Johnson
McLean, VA, USA

Public Relations
Ceciel Rooker
Chapel Hill, NC, USA

Administrator
Michele Pickard
Chapel Hill, NC, USA

Medical Illustrator
Jerry Schoendorf
Chapel Hill, NC, USA

Website/Newsletter Design
Ceara Owre
Chapel Hill, NC, USA

TABLE OF CONTENTS

PROGRAM AND PROJECT UPDATES

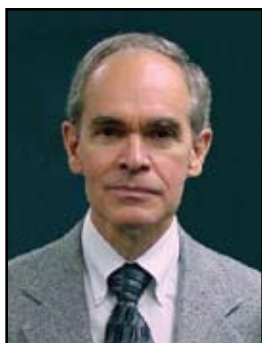
PRESIDENTS REPORT.....	1
EDUCATION REPORT.....	2
ROME FOUNDATION RESEARCH PROGRAM.....	4
IFFGD UPDATE.....	5
ROME CRITERIA REFERENCE LIST.....	6
INTERNATIONAL LIAISON COMMITTEE.....	8
ROME TRANSLATION PROJECT.....	9
ALGORITHM PUBLICATION AND ACCESS.....	9
ROME FOUNDATION WORKING TEAM.....	10

MEETING AND EVENTS

MEET THE EXPERTS AT UEGW 2010.....	11
ASIAN PACIFIC DIGESTIVE WEEK.....	12
9 TH INTERNATIONAL SYMPOSIUM ON FUNCTIONAL GASTROINTESTINAL DISORDERS.....	12
IBS - THE GLOBAL PERSPECTIVE.....	13

ANNOUNCEMENTS

FAREWELL TO DEGNON ASSOCIATES.....	14
ROME AND AGA COLLABORATION.....	15



ROME FOUNDATION RESEARCH PROGRAM

WILLIAM E. WHITEHEAD, PHD

CHAIR, RESEARCH COMMITTEE

APPLICATIONS ARE CURRENTLY BEING ACCEPTED FOR THE FOLLOWING:

2011 RESEARCH GRANT AWARD

Deadline for abstracts – December 15, 2010

Since 2008, the Rome Foundation has provided a \$50,000 annual research grant to fund investigator-initiated research that promises to develop knowledge in the field of gastrointestinal disorders (FGIDs). Applications are given preference that (1) test the validity and/or utility of the Rome III diagnostic criteria,

or (2) assess the epidemiology of functional GI and motility disorders. Each application is submitted for an external NIH-style review by an independent review committee, and the winner is announced during the Rome Foundation reception at Digestive Diseases Week (DDW).

Applications should adhere to the following guidelines:

1. Face page should identify the principal investigator including contact information, title of the application, institution where the work will take place, amount requested, project period, and names and signature of a business official who is authorized to accept the grant on behalf of the PI and to agree to a waiver of indirect costs.
2. Abstract of up to 300 words structured to provide the background, aims, and methods.
3. Budget for up to \$50,000 in costs. No indirect costs will be allowed.
4. Biographical sketches of PI and co-investigators in the NIH format. These bios should include publications and other support. Biographical sketches are limited to 4 pages for each investigator.
5. Proposal structured as (a) Aims, (b) Background and Significance, (c) Previous work of the research team relevant to the proposal, (d) Methods, (e) Timeline, (f) Human Subjects, and (g) consortium arrangements (if relevant). Sections a-e are limited to 12 single-spaced pages in Arial or Roman 11 point font with margins of at least 1.0 inch on all sides. Each page should include the name of the PI and the page number.
6. Human Rights approval through the applicant's Institutional Review Board must be obtained after notification of grant award and before funding is provided.

Applications should be submitted as a .pdf to mpickard@theromefoundation.org.

2011 RAY CLOUSE AWARD FOR RESEARCH PUBLICATION IN FUNCTIONAL GI & MOTILITY DISORDERS

Deadline for nominations – March 18, 2011



Ray E. Clouse, MD

The Rome Foundation created a \$500 prize in memory of Ray Clouse, MD, a gastroenterologist and scholar at Washington University School of Medicine and a devoted member of the Rome Foundation. This award recognizes the author nominated for the best original research paper published in the field of functional gastrointestinal and motility disorders for the period between DDW 2010 and DDW 2011.

Nominations should include a short paragraph of why the paper is being nominated, and a .pdf file of the article. Nominations must be received by email to mpickard@theromefoundation.org no later than March 18, 2011.

Please contact Michele Pickard (mpickard@theromefoundation.org) with any questions about the Research Program, or visit the website www.theromefoundation.org.

2010 Research Grant Recipient

Javier Santos Vicente, M.D., Ph.D.

Hospital Vall d'Hebron

Servicio de Digestivo e Institut de Recerca
Barcelona, Spain

Topic: Role of mucosal eosinophils in the physiopathology of intestinal inflammation in irritable bowel syndrome.

2010 Ray Clouse Award Recipient

Hanneke Beaumont, M.D., Ph.D.

Academic Medical Center

Department of Gastroenterology and Hepatology
Amsterdam, The Netherlands

Title: The position of the acid pocket as a major risk factor for acidic reflux in healthy subjects and patients with GORD.



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

WILLIAM F. NORTON

Current IFFGD activities include awareness, education, and research efforts. This April, in recognition of IBS Awareness Month, Congresswoman Tammy Baldwin (D-WI-2nd) and Congressman F. James Sensenbrenner (R-WI-5th) introduced House Resolution 1309 (H. Res. 1309), which express the sense of Congress that, "there is need for further study of the functional gastrointestinal disorder (FGID) irritable bowel syndrome (IBS)." Significantly, the resolution raises awareness of FGIDs among Members of Congress. H. Res. 1309 also calls on the National Institutes of Health and other federal agencies to bolster research activities in this area. Since the Resolution was introduced, IFFGD advocates have been hard at work urging their legislators to become cosponsors of the measure. Thanks to the outreach of advocates, H. Res. 1309 now has 10 bipartisan cosponsors representing influential leaders of the Democratic and Republican Parties in the House of Representatives. Furthermore, key members of the House Appropriations Committee who fund NIH research on an annual basis have become cosponsors as well, and IFFGD is working with these Representatives to ensure that their support translates to additional research resources for FGIDs. While progress is being made in raising congressional awareness, we continue to seek cosponsors. A majority of House Members must cosponsor H. Res. 1309 before it will "officially" pass the U.S. House of Representatives. Find details and how you can help on our web page at: www.iffgd.org/resolution.

IFFGD continues to engage lawmakers on a number of other legislative and regulatory issues impacting functional GI and motility disorder (FGIMD) research and patient care. We have again submitted testimony to congressional appropriators requesting increased funding for research into FGIMDs and have been successful in securing critical funding recommendations from appropriators in this regard. IFFGD continues to engage in dialogue with Members of Congress who are interested in the Food and Drug Administration's ongoing effort to establish guidance for industry for the development of IBS treatments.

The 12th Annual GERD Awareness Week is November 21–27, 2010. During this time we step up efforts to raise awareness about the condition. We encourage people experiencing symptoms that may be GERD-related to call the IFFGD toll-free Helpline at 1-888-964-2001 to receive information and support regarding GERD.

IFFGD first designated GERD Awareness Week in November 1999, and every year we work to focus attention on important health messages about GERD diagnosis and treatment. GERD Awareness Week is listed on the U.S. National Health Observances calendar. Health professionals, teachers, community groups, and others use these special times to sponsor health promotion events and stimulate awareness of health issues. More information is on our website at: www.aboutGERD.org.

Save the date. The 9th International Symposium on Functional Gastrointestinal Disorders will be held on April 8–10, 2011 at the Pfister Hotel in Milwaukee, WI. The meeting will again be jointly sponsored by the University of Wisconsin School of Medicine and Public Health Office of Continuing Professional Development in Medicine and Public Health, and IFFGD. Focusing on the functional GI disorders, this multi-disciplinary meeting will offer general sessions and mini symposia on a wide range of topics while providing opportunities to meet with participants. We look forward to seeing many of you there. Program details will soon be available; check our web page at: www.IFFGD.org/symposium.

We are seeking applications and nominations for research awards. The IFFGD awards will be given to active investigators in six categories who have a record of research interest in basic mechanisms or clinical aspects of functional gastrointestinal and motility disorders, and neurogastroenterology. These awards of \$7,500 each are intended to encourage the participation of clinicians and scientists in multidisciplinary efforts aimed at advancing the understanding of these basic mechanisms and clinical aspects in adults and in children. The individuals selected for awards will be recognized at the 9th International Symposium on Functional GI Disorders in April 2011. The deadline for receipt of applications is October 22, 2010. Find details on our web page at: www.giResearch.org/awards.

Next year we will begin our 20th year of service to the community. The efforts of IFFGD over the past two decades have been strengthened or made possible by the collaborative support of many of you. We thank you all for your continued support, and your work on behalf of patients.



WE ARE PLEASED TO PROVIDE FOR YOU IN THIS AND FUTURE ISSUES ARTICLES THAT HAVE BEEN PUBLISHED THAT HIGHLIGHT THE ROME CRITERIA.

1: Korkut E, Bektas M, Oztas E, Kurt M, Cetinkaya H, Ozden A. The prevalence of celiac disease in patients fulfilling Rome III criteria for irritable bowel syndrome. *Eur J Intern Med.* 2010 Oct;21(5):389-92. Epub 2010 Jul 14. PubMed PMID: 20816591.

2: Kandulski A, Venerito M, Malfertheiner P. Therapeutic strategies for the treatment of dyspepsia. *Expert Opin Pharmacother.* 2010 Oct;11(15):2517-25. PubMed PMID: 20726822.

3: Digesu GA, Panayi D, Kundi N, Tekkis P, Fernando R, Khullar V. Validity of the Rome III Criteria in assessing constipation in women. *Int Urogynecol J Pelvic Floor Dysfunct.* 2010 Oct;21(10):1185-93. Epub 2010 May 21. PubMed PMID: 20495784.

4: Xiao YL, Peng S, Tao J, Wang AJ, Lin JK, Hu PJ, Chen MH. Prevalence and Symptom Pattern of Pathologic Esophageal Acid Reflux in Patients With Functional Dyspepsia Based on the Rome III Criteria. *Am J Gastroenterol.* 2010 Sep 7. [Epub ahead of print] PubMed PMID: 20823838.

5: Dong YY, Zuo XL, Li CQ, Yu YB, Zhao QJ, Li YQ. Prevalence of irritable bowel syndrome in Chinese college and university students assessed using Rome III criteria. *World J Gastroenterol.* 2010 Sep 7;16(33):4221-6. PubMed PMID: 20806442; PubMed Central PMCID: PMC2932929.

6: Chogle A, Dhroove G, Sztainberg M, Di Lorenzo C, Saps M. How Reliable Are the Rome III Criteria for the Assessment of Functional Gastrointestinal Disorders in Children? *Am J Gastroenterol.* 2010 Aug 31. [Epub ahead of print] PubMed PMID: 20808296.

7: Park DW, Lee OY. Is Rome III Criteria for Irritable Bowel Syndrome More Useful Than Rome II Criteria in Korea?: Author's Reply. *J Neurogastroenterol Motil.* 2010 Jul;16(3):343-4. Epub 2010 Jul 27. PubMed PMID: 20680183; PubMed Central PMCID: PMC2912137.

8: Park MI. Is Rome III Criteria for Irritable Bowel Syndrome More Useful Than Rome II Criteria in Korea? *J Neurogastroenterol Motil.* 2010 Jul;16(3):342. Epub 2010 Jul 26. PubMed PMID: 20680182; PubMed Central PMCID: PMC2912136.

9: Sorouri M, Pourhoseingholi MA, Vahedi M, Safaee A, Moghimi-Dehkordi B, Pourhoseingholi A, Habibi M, Zali MR. Functional bowel disorders in Iranian population using Rome III criteria. *Saudi J Gastroenterol.* 2010 Jul-Sep;16(3):154-60. PubMed PMID: 20616409.

10: Gwee KA, Ghoshal UC. The Rome criteria divides, distorts and dilutes the prevalence of irritable bowel syndrome. *Saudi J Gastroenterol.* 2010 Jul-Sep;16(3):143-4. PubMed PMID: 20616407.

11: Rajindrajith S, Devanarayana NM, Adhikari C, Pannala W, Benninga MA. Constipation in children: an epidemiological study in Sri Lanka using Rome III criteria. *Arch Dis Child.* 2010 Jun 23. [Epub ahead of print] PubMed PMID: 20573735.

12: Rey E, Locke GR 3rd, Jung HK, Malhotra A, Choung RS, Beebe TJ, Schleck CD, Zinsmeister AR, Talley NJ. Measurement of abdominal symptoms by validated questionnaire: a 3-month recall timeframe as recommended by Rome III is not superior to a 1-year recall timeframe. *Aliment Pharmacol Ther.* 2010 Jun;31(11):1237-47. Epub 2010 Mar 6. PubMed PMID: 20222912.

13: Wong RK, Palsson OS, Turner MJ, Levy RL, Feld AD, von Korff M, Whitehead WE. Inability of the Rome III Criteria to Distinguish Functional Constipation From Constipation-Subtype Irritable Bowel Syndrome. *Am J Gastroenterol.* 2010 May 25. [Epub ahead of print] PubMed PMID: 20502449.

14: Nakajima S, Takahashi K, Sato J, Fukuda M, Yamamoto K, Inoue T, Okumura Y, Fujiyama Y. Spectra of functional gastrointestinal disorders diagnosed by Rome III integrative questionnaire in a Japanese outpatient office and the impact of overlapping. *J Gastroenterol Hepatol.* 2010 May;25 Suppl 1:S138-43. PubMed PMID: 20586856.

15: Manabe N, Haruma K, Hata J, Imamura H, Kamada T, Kusunoki H, Sanuki E, Tsumaru S, Futagami Y, Sadamoto Y, Tokutomi T, Kurose H. Clinical characteristics of Japanese dyspeptic patients: is the Rome III classification applicable? *Scand J Gastroenterol.* 2010 May;45(5):567-72. PubMed PMID: 20408773.

16: Ford AC. Alverine citrate, simeticone, and Rome III irritable bowel syndrome. *Aliment Pharmacol Ther.* 2010 Apr;31(7):767-8; author reply 768-9. PubMed PMID: 20415841.

17: Whitehead WE, Drossman DA. Validation of symptom-based diagnostic criteria for irritable bowel syndrome: a critical review. *Am J Gastroenterol.* 2010 Apr;105(4):814-20; quiz 813, 821. Epub 2010 Feb 23. Review. PubMed PMID: 20179688.

18: Park DW, Lee OY, Shim SG, Jun DW, Lee KN, Kim HY, Lee HL, Yoon BC, Choi HS. The Differences in Prevalence and Sociodemographic Characteristics of Irritable Bowel Syndrome According to Rome II and Rome III. *J Neurogastroenterol Motil.* 2010 Apr;16(2):186-93. Epub 2010 Apr 28. PubMed PMID: 20535350; PubMed Central PMCID: PMC2879846.

The Rome Foundation Proudly Presents



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



The algorithms are now available in the following formats:

- CD-ROM
- Downloadable HTML (www.theromefoundation.org)

Spanish version – Available Soon
Revista de Gastroenterología de México
(*Journal of Gastroenterology, Mexico*)

The Rome Foundation is committed to develop and support research and education to help people with Functional GI Disorders.

Learn more about any of our educational materials at:
www.theromefoundation.org



Please visit our Rome Foundation Stand #103 at UEGW in Barcelona

INTERNATIONAL LIAISON COMMITTEE (ILC)



Max Schmulson, MD
Mexico City, D.F., Mexico
Chair



Enrico Corazzari, MD
Rome, Italy



Dan Dumitrascu, MD
Cluj, Romania



Carlos Francisconi, MD
Porto Alegre, Brazil



Shin Fukudo, MD, PhD
Sendai, Japan



Ami Sperber, MD, MSPH
Tel Aviv, Israel

We would like to list some of the upcoming Rome Sponsored international activities:

IFFGD, Cross-Cultural Workshop

Rome will also sponsor a Cross-cultural workshop at the 2011 IFFGD meeting in Milwaukee. This session will include topics such as culture and health, cross-cultural competence in clinical practice and research in FGIDs around the world.

Rome Diagnostic Algorithms in Spanish



Translating Rome educational materials is one of the ILC main objectives and The Rome Foundation Diagnostic Algorithms for Common Gastrointestinal Symptoms that have been recently published in English in the American Journal of Gastroenterology, will be published at the end of the year in Spanish in the Revista de Gastroenterología de México (The Mexican Journal of Gastroenterology) to aid the Spanish speaking health professionals that take care of patients with Functional Gastrointestinal Disorders. More efforts are on the way to translate these algorithms in other languages, as well.

Rome Symposium at the Mexican Congress of Gastroenterology

In supporting educational activities, the ILC together with the Asociación Mexicana de Gastroenterología (Mexican Gastroenterological Association) is organizing a symposium in Acapulco for the National Gastroenterological Week of that country (November 13-18).. This will be a mixed symposium that will include talks covering topics such as "Manipulation of Fecal Microbiota in the treatment of IBS" by William Chey, MD and "Optimizing Patient Care: The Physician-Patient relationship" by Doug Drossman, MD, and clinical case discussions by using the Rome Algorithms of functional dyspepsia, IBS and fecal incontinence.

Send us your comments:

The Rome International Liaison Committee is open to any suggestions and requests for collaborations and support for educational activities. Please send your comments or needs to the member closer to your region or to any Rome member.

Max Schmulson, MD
Chair-Rome International Liaison Committee
E-mail: maxjulio@prodigy.net.mx

IFFGD is Seeking Applications for 2011 Research Awards

Due date for submitting applications Friday, October 22, 2010

IFFGD is seeking applications and nominations for research awards. The awards will be given to active investigators in six categories who have a record of research interest in basic mechanisms or clinical aspects of functional gastrointestinal and motility disorders, and neurogastroenterology. These awards of \$7,500 each are intended to encourage the participation of clinicians and scientists in multidisciplinary efforts aimed at advancing the understanding of these basic mechanisms and clinical aspects in adults and in children.

The individuals selected for awards will be recognized at IFFGD's 9th International Symposium for Functional GI Disorders to be held in Milwaukee, WI on April 8-10, 2011.

The deadline for receipt of applications is **October 22, 2011.**

For details go to our web page at:

www.giresearch.org/site/gi-research/iffgd-research-awards



ROME TRANSLATION PROJECT - UPDATE

AMI D. SPERBER, MD, MSPH

CHAIR, ROME FOUNDATION
TRANSLATION PROJECT

The Rome Foundation has established the Translation Project to make its material available in as many languages as possible. This reflects the international nature of the foundation.

The project was established with the following objectives in mind:

1. To provide educational material such as the Rome book and the clinical algorithms to as large a population as possible.
2. To facilitate local and multinational, cross-cultural research as well as clinical drug trials in as many settings and populations as possible by making the Rome diagnostic and psychosocial alarm questionnaires available in multiple languages.

The following are developments since the previous report:

- We have recently approved an Italian translation of the Rome III diagnostic questionnaire, spearheaded by Enrico Corraziari, and a Bahasa Malay translation of the Rome III IBS module, developed by Dr. Lee Yeong Yeh.
- We previously approved a German version of the Function Dyspepsia module, a process that was monitored by Dr. Winfried Hauser as the Rome representative in Germany.
- Earlier approved translations include Japanese, Chinese (Mandarin), Spanish, Portuguese, and Hebrew.
- We have approved a request to develop a Dutch translation of the Rome III IBS module. Dr. Marc Benninga, as the Rome representative, will monitor the process.

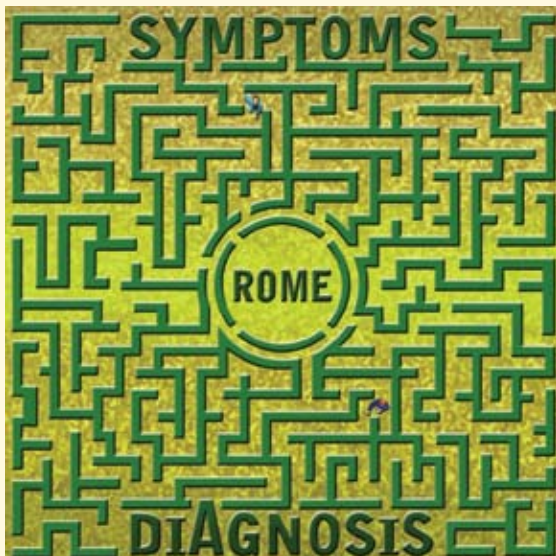
- We will soon be initiating translation of the Rome III questionnaire and scoring codes into French and German, in collaboration with a professional translation company. If that process is successful we consider expanding it to other languages from different regions of the world.
- Finally, we are getting an increasing number of requests for translated material, or to translate material into new languages, sometimes on a weekly basis. This would appear to reflect a growing interest in using Rome material for research in non-English speaking countries. Hopefully, the Rome translation project will help to bring these aspirations to fruition.

Details on these developments and other aspects of the translation project will soon be fully available on the Rome Foundation website.

Licensing contracts will be drawn up with academicians and companies interested in using Rome approved translations. In some cases, for example pharmaceutical drug trials, there will be a fee to use the material.

I would like to thank all those who have and are continuing to contribute to this project.

ALGORITHM PUBLICATION AND ACCESS



The Rome Foundation Diagnostic Algorithms for Common Gastrointestinal Symptoms are now available via the following:

- A CD-ROM of all 15 Algorithms will be available and will be given out at all Rome Foundation Booths beginning with the ACG Annual Meeting in San Antonio (October 15 – 20, 2010).
- The interactive webpage on the Rome Foundation website will now contain all 15 Diagnostic Algorithms.
- A Spanish version of the Algorithms will appear in the Mexican Journal of Gastroenterology.
- For free download as a PDF from our website and the AJG website, www.nature.com/ajg/index.html.



ROME FOUNDATION WORKING TEAM COMMITTEE

THE ROLE OF THE INTESTINAL MICROBIOTA IN FUNCTIONAL
GASTROINTESTINAL DISORDERS

MAGNUS SIMRÉN, MD, PHD
CHAIR

The pathogenesis and pathophysiology of patients with functional gastrointestinal disorders remains incompletely understood. During the last years, the role of intestinal microbiota in the development of functional gut problems has received great interest, with a steadily increasing numbers of research projects assessing this. For instance, it has been convincingly demonstrated that one of the most well established risk factors for developing IBS is having a bacterial or viral gastroenteritis. However, why some, but definitely not all, subjects with a gastroenteritis go on to develop longstanding symptoms, whereas others regain their gut health within a week, is not altogether clear. Moreover, there are also suggestions that patients with IBS have abnormal composition of the colonic bacterial flora, as well as controversial findings that small intestinal bacterial overgrowth is a major factor in IBS. New treatment options for functional GI disorders based on these findings have also appeared, such as non-absorbable antibiotics, and pre-, pro- and synbiotics. Even though these findings are very intriguing

and of great interest for researchers in the field, their relevance of some of these is unclear. Especially, their potential implications for the daily care of our patients are not well established.

The Rome Foundation in early 2010 decided to initiate a Working Team Committee: *The Role of the Intestinal Microbiota in Functional Gastrointestinal Disorders*. The purpose will be to develop a summary of the research and literature in this content area to date and then offer guidelines or recommendations to help advance future research and clinical care. The timeline is planned to be 18 months, with the goal to submit a summary as a Working Team Report to one of the major scientific journals in our field, as well as producing a more thorough background document to be published on the Rome Foundation website. The work of the group started in spring 2010 and the plan is to disseminate the work of the group in late 2011.

The specific goals of the Working team are:

- To critically review the existing literature on the role of gut microbiota in functional GI disorders (FGIDs), with focus on clinical and translational aspects. This will include the relevance of post-infectious IBS, alterations in composition of small and large intestinal microflora in FGIDs, the clinical usefulness of antibiotics and probiotics in FGIDs, as well as a thorough review on the basic/translational science literature with potential clinical relevance for this group of patients. A specific focus will also be on new methodology to assess the relevance of gut microbiota in FGIDs and potential drawbacks and pitfalls with previously used methods.
- Based on the literature search, provide recommendations how to implement the current knowledge into clinical practice, in order to improve the health of our patients.
- Give recommendations for future work in order to improve the current knowledge on the role of gut microbiota in functional GI disorders.
- These goals will be summarized in an extensive, and clinically useful review that will be submitted to one of the major scientific journals in our field. Moreover, there are also plans to present the results of the Working Team Committee at an international meeting as a Working Team Report.

Members of the Working Team

Chair

Magnus Simrén, MD, PhD
Gothenburg, Sweden

Co-Chair

Giovanni Barbara, MD
Bologna, Italy

Clinical

Peter Whorwell, PhD
Manchester, UK

Brennan Spiegel, MD
Los Angeles, CA, USA

Robin Spiller, MD
Nottingham, UK

Translational

Stephen Vanner, MD
Kingston, Canada

Elena Verdu, MD, PhD
Hamilton, Canada

Basic/Microbiology

Erwin Zoetendal, MD
Wageningen, the Netherlands

Harry Flint, PhD
Aberdeen, UK

MEET THE EXPERTS SESSION AT UEGW 2010 BARCELONA, SPAIN • OCTOBER 23 – 27, 2010

18th United European Gastroenterology Week

CCIB – Centre Convencions Internacional

UEGF – United European Gastroenterology federation

www.uegf.org

THE ROME
FOUNDATION
IS PROUD TO
SPONSOR
A MEET THE
EXPERTS SESSION
AT
UEGW 2010

ROME FOUNDATION SYMPOSIUM: MANAGEMENT OF DIFFICULT PATIENTS WITH FUNCTIONAL GI DISEASES

How I manage a patient with a difficult case of...

- Severe Abdominal Pain and Psychological Distress
with Douglas Drossman, MD, Chapel Hill, NC, USA
- Recurrent Vomiting
with Mark Fox, MD, PhD, Zurich, Switzerland
- Atypical Chest Pain
with Albert Bredenoord, MD, PhD, Nieuwegein, The Netherlands

Monday, October 25, 2010

5:30 - 6:30pm

Room 131

CHAIRS:

ROBIN SPILLER, MD • ENRICO CORAZZIARI, MD • FERNANDO AZPIROZ, MD, PhD



UEGW

BARCELONA 2010



18th United European
Gastroenterology Week

www.uegf.org
EACCME applied

October 23 – 27, 2010 // Barcelona, Spain
CCIB – Centre Convencions Internacional Barcelona

Organiser:

**UEGF – United European
Gastroenterology Federation** office@uegf.org

Congress and Exhibition Office:

CPO HANSER SERVICE GmbH uegw2010@cpo-hanser.de





ASIAN PACIFIC DIGESTIVE WEEK 2010 (APDW2010)

KUALA LUMPUR, MALAYSIA
SEPTEMBER 18-22, 2010

AAsian Pacific Digestive Week 2010 was held in Kuala Lumpur, Malaysia on September 18-22. This meeting, titled "Gastroenterology in Asia Pacific – Excellence in the New Decade" – was the inaugural meeting of a newly formed society. The meeting was similar in structure to the American Digestive Disease Week as it was preceded by a postgraduate course and satellite symposia. Participants came chiefly from the society's host countries – Malaysia, Singapore, China, India, Japan, and South Korea. There were guest speakers from the United States, Europe, and Australia.

Of special interest to members of the Rome Foundation was a symposium titled "IBS – Global Perspectives," which was held on September 22.

This symposium was moderated by Nick Talley and G. Sutej, and the presentations included:

- *Eamonn Quigley (Ireland): WGO IBS Guidelines*
- *William E Whitehead (U.S.): Rome III Criteria – Why they have changed*
- *Kok An Gwee (Singapore): Asian IBS Consensus – Differences in Epidemiology and Symptoms*
- *Uday Ghoshal (India): Asian IBS Consensus – Differences in Pathophysiology and Diet*

9TH INTERNATIONAL SYMPOSIUM ON FUNCTIONAL GASTROINTESTINAL DISORDERS

April 8-10 2011
Pfister Hotel
Milwaukee, Wisconsin

This CME accredited symposium will be held April 8-10, 2011, at the Pfister Hotel, Milwaukee, Wisconsin. It is jointly sponsored by the University of Wisconsin School of Medicine and Public Health and the International Foundation for Functional Gastrointestinal Disorders. A global audience of clinicians and investigators will gather to exchange information on the latest advancements in the areas of functional gastrointestinal and motility disorders. The symposium will offer a format of plenary sessions, interactive workshops and mini symposia on both adult and pediatric disorders - from basic science to clinical applications.

For further information:

Carmen Butschlick
IFFGD
414-964-1799
email: cbutschlick@iffgd.org

Terese Bailey
OCPD in Medicine and Public Health
608-240-2141
email: tmbailey@ocpd.wisc.edu



IBS THE GLOBAL PERSPECTIVE

APRIL 6-7, 2011

MILWAUKEE, WISCONSIN
PFISTER HOTEL

The symposium "IBS – the Global Perspective", organized jointly by the Rome Foundation and the World Gastroenterology Organization and co-directed by Dr. Ami Sperber (Rome) and Dr. Eamonn Quigley (WGO), will be held for 1½ days on April 6-7, 2011 in Milwaukee, Wisconsin, just prior to the 9th International Symposium on Functional GI Disorders (April 8-10, 2011).

This will be an exciting and stimulating meeting, which will provide a new perspective on IBS and other functional GI disorders that is relevant to clinicians and academicians alike.

Preparations for the meeting are in full swing. The program and faculty have been finalized. The faculty will include a stellar group of speakers from the areas of functional GI disorders, medical anthropology, health and culture, and psychopathology, as well as representatives of regulatory agents from the US, Europe and Japan.

The focus of the organizing committee is now on getting the word out and attracting as many participants as possible. To this end we have prepared a meeting flyer and dedicated web pages on the Rome and WGO websites. All meeting information will be available at this website and registration will be online. The website address for the Rome Foundation is www.theromefoundation.org. Don't forget to register!

THE PROGRAM WILL INCLUDE THE FOLLOWING SESSIONS:

Epidemiology and Socio-Cultural Issues

- Culture and Symptom Reporting
- Interpretation and Reporting of GI Symptoms, Differential Diagnosis and Diagnostic Work-up Around the World

Culture, Health and FGIDs

- Culture and Health
- Explanatory Models of Health and Illness, Impact of Culture on Physicians' and Patients' Explanatory Models

Mechanisms and Pathophysiology

- A Global Perspective on the Effect of Genetics and Ethnicity on Pathophysiology and Management
- GI Microbiology: Pathogens, Exposure Patterns and Immune Responses
- Geographical and Cultural Food-Related Symptoms, Food Avoidance and Elimination
- Worldwide Differences in Psychopathology and the Interpretation and Effects of Stress

Patient Care in Different Geographical Areas and Cultural Settings

- Practicing in a Multicultural Milieu: Physician Competence
- Practicing in a Multicultural Milieu: Patient Health Literacy
- Folk Remedies, Self-Medicating, and CAM Around the World
- Impact of Local Regulations and Healthcare Organization on Management Options
- Effect of Religious and Cultural Beliefs on Healthcare Around the World

Conducting Multinational Drug Trials

- Unique Problems in Multi-National Studies: Organizational and Regulatory Issues
- Unique Problems in Multi-National Studies: Ethical Issues and Recruitment Problems
- Unique Problems in Multi-National Studies: Regional Perspectives on Inclusion Criteria, Endpoints and Outcomes

THERE WILL ALSO BE TWO WORKSHOPS:

Clinical Competence Workshop

- Working in a Multiethnic Clinic
- Role Play with Professional Actors - Clinical Encounters with Cross-Cultural Issues

Research Competence Workshop

- Cross-Cultural, Multinational Research
- Examples of Cross-Cultural Studies
- Translation and Validation of Instruments for Cross-Cultural Studies

Who should participate:

- Practicing gastroenterologists, primary care physicians, psychologists, sociologists, and other health care providers interested in IBS and the functional GI disorders at a global level
- Scientists and academicians interested in cross-cultural investigation of these conditions.
- Pharmaceutical company research, development and marketing managers interested in learning about cultural differences in attitudes and beliefs toward medical treatments
- Members of health policy and regulatory organizations

THE SCIENTIFIC ADVISORY AND ORGANIZING COMMITTEE IS COMPRISED OF THE FOLLOWING MEMBERS:

ROME FOUNDATION

Ami Sperber, MD
Doug Drossman, MD
Lin Chang, MD
Max Schmulson, MD

IFFGD

Nancy Norton

WGO

Eamonn Quigley, MD
Richard Hunt, MD
Kok-Ann Gwee, MD
Carolina Olano, MD

Farewell to Degnon Associates

Thank you for 15 years of great service!

George K. Degnon, CAE, President



*George has been the Executive Director of the Rome Foundation since 1996. He played a key role in the growth of the organization by providing management services and strategic direction and managing the fiscal operations for the Foundation. He published **Rome II** and **Rome III** as well as **Understanding the Irritable Gut** and has managed all of the Rome contract work.*

Kathy Johnson serves as Special Assistant to George. Her duties for Rome have included assisting with licensing and contracts for all publications, invoicing and tracking of sponsor support, and coordinating conference logistics (including the Rome III gathering in Italy in 2004, the Outcomes Conference in 2009 and all Rome functions at DDW).



Also thanks to Meg Gorham and the entire Degnon Management Team!

Degnon Associates will complete their management responsibilities with Rome Foundation on December 31, 2010, and will be replaced by Hilliard Association Management, Inc. (William N. Hilliard, Jr., President), 919.345.3927 in Raleigh, North Carolina, USA.



ROME AND AGA FORGE COLLABORATION

DIANNE BACH
SENIOR VICE PRESIDENT
AGA INSTITUTE

Over the last few years, AGA and the Rome Foundation have forged a mutually beneficial collaboration around several important educational projects.

This partnership began in 2007 when we agreed to conduct a joint lecture series at DDW to shine a spotlight on the importance of research, clinical education and physician patient communications related to the functional GI disorders. Our first lecturer in 2008 was the well known New York Times health writer Ms. Gina Kolata, who presented an engaging lecture: "Lessons from our Patients", addressing the patient experience of illness in relation to our health care system. In 2009, Juan-R. Malagelada, MD, Professor of Gastroenterology at Hospital Universitari Vall d'Hebron in Barcelona and 2008 President of UEGW lectured on: "Motility Assessments for Functional GI Disorders: How far does it get us?". This year, we were most pleased to have Erwin G. Zoetendal, MD, from Wageningen, the Netherlands present: "Understanding Gut Microbiota: A New Era in Gastroenterology". As I'm sure you know, these lecturers have become very popular at DDW drawing more than 750 attendees. In 2011, we will be featuring Tarique Perera, MD, of Columbia University presenting: "The Role of Neurogenesis in the Brain" and Dr. Michael D. Gershon, also of Columbia University speaking on: "The Role of Neurogenesis in the Enteric Nervous System and its implications for Functional GI and Motility disorders" (see more on page 2). We hope you plan to attend and give us your feedback as we strive to make these lectures both inviting and informative.

This year, we are also providing marketing support for two Rome-created educational activities to make our 17,000 members more aware of their availability—The Rome III book and The Computer Based Learning Program which contains graphics and images of the field of functional GI and Motility Disorders.

The *Rome III* book is the latest update and the most comprehensive collection of information for the evaluation and care of patients having functional GI disorders. It is a valuable resource to general and specialist physicians, mental health professionals, as well as basic and clinical investigators involved in the study and care of patients with functional GI disorders.

This book provides 17 chapters to address the needs of both investigators and clinicians which include:

- The Rome III Diagnostic Criteria for all 28 Adult and 17 Pediatric FGID Diagnoses
- "Red flag" questions to aid the clinician in identifying symptoms and signs that would suggest further evaluation to exclude other diagnoses or, when needed, to make a mental health referral

- The most up-to-date information on the epidemiology, psychosocial and cultural features, pathophysiology, diagnosis and treatment of more than 45 functional GI disorders commonly seen in clinical practice
- New chapters which include pharmacology and pharmacokinetics, sociocultural influences relating to gender, age, and cultural influences, functional abdominal pain
- Expanded information on Pediatric FGID with chapters on neonate/toddler and child/adolescent
- Appendices
 - Rome III Diagnostic Criteria
 - Glossary
 - Patient Self-Report Pediatric and Adult Diagnostic Questionnaires containing Rome III Criteria and Red Flags
 - Comparison table for the Rome II and new Rome III diagnostic criteria

In addition, the ROME III Computer Based Learning Program can be purchased as individual slides for presentation. The knowledge base was developed by 30 world experts in the FGIDs. It builds upon and updates the Rome III learnings published in 2006:

- Basic Science/Physiology/ Pharmacokinetics: Jack Wood PhD (Chair), Lionel Bueno PhD, John Kellow MD
- Psychosocial/Sociocultural/Quality of Life: Ami Sperber MD (Chair), Elspeth Guthrie MD, Rona Levy PhD, Bruce Naliboff PhD, Kevin Olden MD
- Epidemiology: Paul Moayyedi PhD (Chair), George Longstreth MD, Nicholas Talley MD, PhD;
- Diagnosis and Criteria: Arnold Wald MD, (Chair), Brooks Cash MD, Enrico Corazziari MD, Tony Lembo MD, Stuart Spechler MD, Jan Tack MD, PhD
- Pediatric: Carlo Di Lorenzo MD (Chair), Marc Benninga MD, Ernesto Guiraldes MD, Jeffrey Hyams MD, Paul Hyman MD
- Management and Design of Treatment Trials: Bill Chey MD (Chair), Lin Chang MD, E. Jan Irvine MD, Max Schmulson MD, W. Grant Thompson MD. The Management module has recently been updated to include the ACG treatment guidelines for IBS.
- In addition, a seventh module on brain imaging, chaired by Bruce Naliboff PhD, has been added to the full set.

As we look ahead, the AGA and the Rome Foundation plan to work in a collaborative effort to develop an exciting program to help clinicians improve their communication skills with their patients. More on that in the coming months.

Dianne Bach
Senior Vice President
AGA Institute



AGA INSTITUTE
AGA Education, Practice and Research

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



VISIT US ON
THE WEB AT

www.theromefoundation.org

ROME BOARD OF DIRECTORS - 2010



From left to right: (Front row): Nicholas Talley, John Kellow, Doug Drossman, William Whitehead, Lin Chang; (Back row): Jan Tack, Enrico Corazziari, Fernando Azpiroz, Robin Spiller, William D. Chey

SPONSORS

ASTRA ZENECA, LP

FOREST LABORATORIES, INC.

FURIEX PHARMACEUTICALS, INC.

IRONWOOD PHARMACEUTICALS

LEXICON PHARMACEUTICALS, INC.

MOVETIS PHARMACEUTICALS, INC

PROCTER & GAMBLE

PROMETHEUS LABORATORIES, INC

SALIX PHARMACEUTICALS

SANOFI-AVENTIS GROUP

TAKEDA PHARMACEUTICALS NORTH AMERICA

ZERIA PHARMACEUTICALS